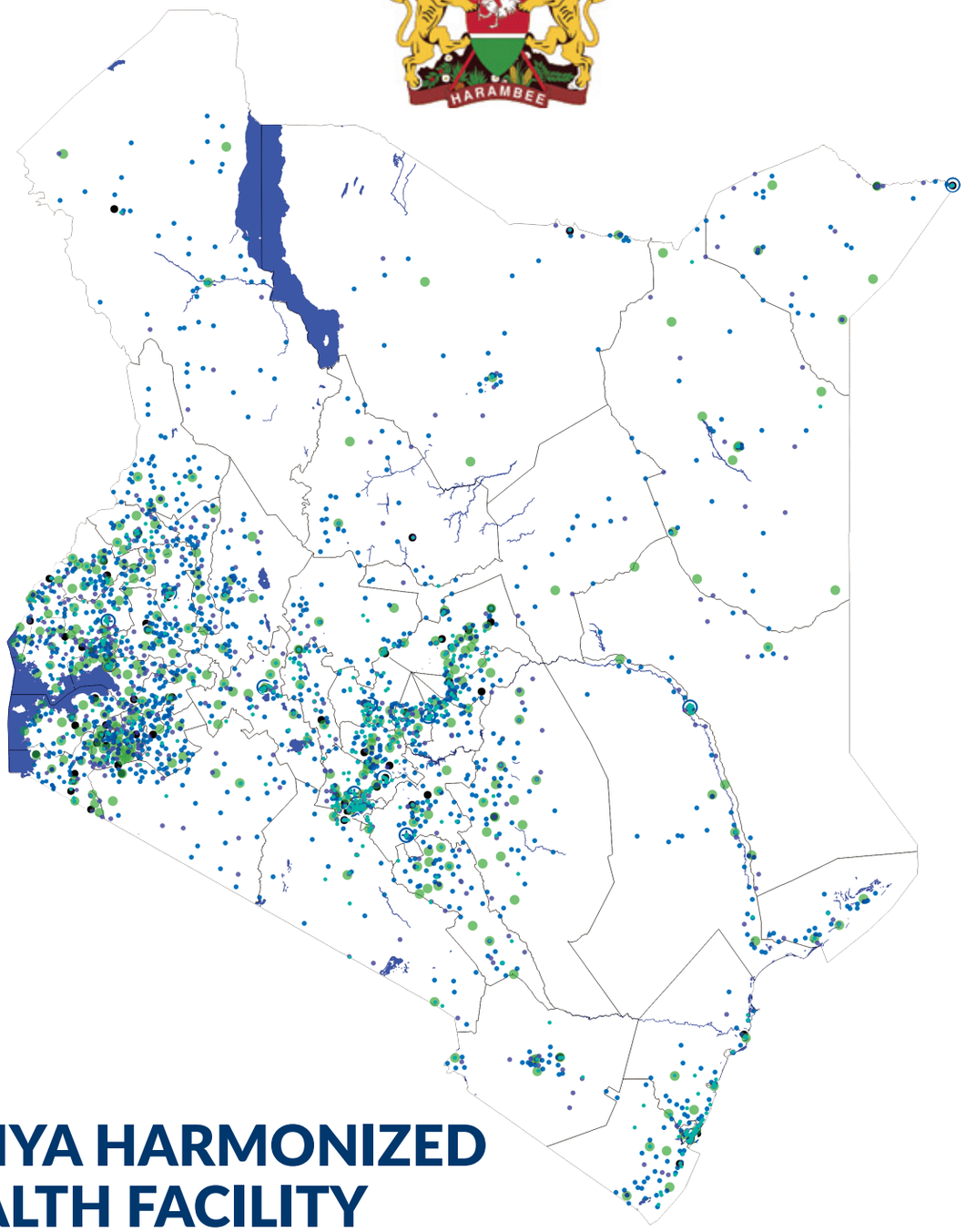

KENYA HARMONIZED HEALTH FACILITY ASSESSMENT (KHFA)

2018/2019

Annex Tables, Questionnaires, and Footnotes

MINISTRY OF HEALTH
Division of Health Sector Monitoring and Evaluation

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ANNEX 1: DETAILED TABLES

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Counties	Total number of facilities/ 10,000 population	Number of inpatient beds/ 10,000 population	Number of maternity beds per 1000 pregnant women	Facility density score (TARGET = 2)	Inpatient beds score (TARGET = 25)	Maternity beds score (TARGET = 10)
Baringo	2.9	10.4	7.7	147	41	77
Bomet	1.5	8.8	7.6	76	35	76
Bungoma	1.3	10.9	12.4	65	44	124
Busia	1.6	14.3	18.0	79	57	180
Elgeyo-marakwet	2.6	17.3	13.7	128	69	137
Embu	3.5	24.3	17.4	174	97	174
Garissa	2.3	12.5	6.1	117	50	61
Homa bay	2.4	15.1	29.5	118	60	295
Isiolo	3.1	29.6	13.3	154	118	133
Kajiado	3.4	16.6	34.0	172	66	340
Kakamega	1.5	11.2	9.3	76	45	93
Kericho	2.1	18.8	10.4	104	75	104
Kiambu	3.0	17.4	28.7	148	70	287
Kilifi	2.0	6.5	10.8	101	26	108
Kirinyaga	3.3	18.4	28.0	165	74	280
Kisii	1.3	16.3	13.3	65	65	133
Kisumu	2.1	22.3	18.8	103	89	188
Kitui	3.1	11.7	11.6	154	47	116
Kwale	1.7	5.3	5.4	87	21	54
Laikipia	2.8	14.1	21.9	142	57	219
Lamu	4.9	11.9	14.7	246	48	147
Machakos	2.8	16.0	17.0	141	64	170
Makueni	3.5	14.3	17.8	176	57	178
Mandera	1.0	7.2	4.6	49	29	46
Marsabit	3.3	18.0	14.4	163	72	144
Meru	3.4	13.6	19.3	168	54	193
Migori	2.1	19.6	10.9	104	78	109
Mombasa	2.3	13.3	10.8	114	53	108
Murang'a	2.7	7.9	8.3	135	32	83
Nairobi	1.6	15.4	15.7	80	61	157
Nakuru	2.3	13.1	19.9	113	52	199
Nandi	1.9	7.8	3.9	95	31	39
Narok	1.5	9.6	7.6	75	38	76
Nyamira	2.1	13.2	13.5	106	53	135
Nyandarua	2.4	8.7	18.6	121	35	186
Nyeri	4.2	21.1	32.2	210	85	322
Samburu	2.6	19.5	16.5	129	78	165
Siaya	2.3	12.9	15.4	113	52	154
Taita taveta	3.3	14.4	18.1	165	58	181
Tana river	2.3	10.4	3.3	116	42	33
Tharaka-nithi	3.6	20.4	33.0	179	82	330
Trans nzoia	1.5	7.0	3.1	76	28	31
Turkana	2.0	6.9	10.6	98	28	106
Uasin gishu	1.7	15.9	14.3	85	64	143
Vihiga	1.5	12.5	12.0	73	50	120
Wajir	1.5	5.3	3.9	73	21	39
West pokot	2.0	7.6	4.2	98	31	42
Total	2.2	13.3	13.8	110	53	138

Annex Table 2: Inpatient bed occupancy rate by county, Kenya 2018

Counties	Average monthly bed occupancy	Bed occupancy score (TARGET = 80%)
Baringo	37%	46
Bomet	41%	52
Bungoma	38%	47
Busia	24%	30
Elgeyo-marakwet	16%	20
Embu	59%	74
Garissa	27%	34
Homa bay	14%	17
Isiolo	28%	35
Kajiado	22%	28
Kakamega	34%	43
Kericho	33%	42
Kiambu	21%	27
Kilifi	51%	64
Kirinyaga	80%	100
Kisii	69%	87
Kisumu	55%	69
Kitui	23%	29
Kwale	26%	33
Laikipia	35%	44
Lamu	25%	31
Machakos	71%	89
Makueni	34%	42
Mandera	5%	6
Marsabit	25%	31
Meru	73%	91
Migori	70%	87
Mombasa	22%	27
Murang'a	34%	43
Nairobi	17%	21
Nakuru	32%	40
Nandi	21%	27
Narok	23%	29
Nyamira	20%	25
Nyandarua	23%	28
Nyeri	43%	54
Samburu	8%	10
Siaya	14%	18
Taita taveta	30%	38
Tana river	25%	32
Tharaka-nithi	18%	23
Trans nzoia	68%	84
Turkana	51%	64
Uasin gishu	20%	26
Vihiga	20%	25
Wajir	18%	23
West pokot	30%	37
Total	**46%**	**57**

Annex Table 3: Health workforce density per 10,000 population (Target=23), Kenya 2018

County	Core health workforce per 10,000 population	Health workforce density score (TARGET = 23)
Baringo	10.6	46
Bomet	8.9	39
Bungoma	8.5	37
Busia	11.9	52
Elgeyo-marakwet	9.9	43
Embu	21.2	92
Garissa	10.0	43
Homa bay	14.2	62
Isiolo	22.0	96
Kajiado	24.6	107
Kakamega	9.9	43
Kericho	16.2	70
Kiambu	22.8	99
Kilifi	10.0	43
Kirinyaga	22.3	97
Kisii	13.6	59
Kisumu	22.6	98
Kitui	14.9	65
Kwale	8.0	35
Laikipia	16.5	72
Lamu	24.6	107
Machakos	18.2	79
Makueni	13.2	57
Mandera	5.2	22
Marsabit	13.5	59
Meru	18.6	81
Migori	11.3	49
Mombasa	19.2	83
Murang'a	9.3	41
Nairobi	26.3	115
Nakuru	19.3	84
Nandi	8.8	38
Narok	6.1	27
Nyamira	14.1	61
Nyandarua	11.6	51
Nyeri	31.0	135
Samburu	11.3	49
Siaya	13.7	60
Taita taveta	19.1	83
Tana river	7.2	32
Tharaka-nithi	33.8	147
Trans nzoia	7.5	32
Turkana	7.4	32
Uasin gishu	28.2	123
Vihiga	12.2	53
Wajir	6.1	27
West pokot	9.3	40
Total	**15.6**	**68**

Annex Table 4: Health workforce norms and average health workers present in dispensaries, Kenya 2018

Cadre	Average KHFA	Norms & Standards Level 2
Registered Nurses	0.69	1
Enrolled Nurses	0.16	2
Registered Midwives	0.13	1
Public Health Officers	0.43	1
Cleaners/housekeeping staff	1.14	1

Annex Table 5: Health workforce norms and average health workers present in health centres, Kenya 2018

Cadre	Average KHFA	Norms & Standards Level 3
Medical Officers	0.23	2
Clinical officers	1.80	5
Registered Nurses	2.03	2
Enrolled Nurses	0.44	3
Registered Midwives	0.60	3
Social workers	0.17	1
Nutritionists	0.47	1
Pharmacy technologists	0.45	1
Health Records Information Officers	0.41	1
Health Administrative Officers	0.11	1
Clerks	0.35	2
Secretaries	0.05	1
Accountants	0.05	1
Cleaners/housekeeping staff	2.37	3
Laundry/cooking staff	0.39	2

Annex Table 6: Health workforce norms and average health workers present in primary hospitals, Kenya 2018

Cadre	Average KHFA	Norms & Standards Level 4
Medical Officers	5.95	17
Obstetricians/Gynecologists	1.15	1
General Surgeons	1.35	1
Radiologists	0.65	1
Ophthalmologists	0.26	1
Clinical officers	9.69	16
Orthopedics	0.18	1
Registered Nurses	12.73	7
Enrolled Nurses	2.67	7
Registered Midwives	4.33	8
Social workers	1.01	3
General Physiotherapists	1.06	3
Occupational therapists	0.70	1
Nutritionists	1.98	1
Medical Laboratory technologist	5.40	2
Pharmacists	1.80	1
Dentists	0.57	1
Radiographers	1.14	1
Pharmacy technologists	2.75	3
Health Records Information Officers	2.53	5
Health Administrative Officers	0.95	5
Clerks	2.23	10
Secretaries	0.66	3
Accountants	0.70	4
Cleaners/housekeeping staff	11.82	5
Laundry/cooking staff	2.60	6

Annex Table 7: Health workforce norms and average health workers present in secondary hospitals, Kenya 2018

Cadre	Level 5		Level 6	
	Average KHFA	Norms and standards	Average KHFA	Norms and standards
Medical Officers	23.1	45	161.0	84
Obstetricians/Gynecologists	3.1	2	15.5	6
Pediatricians	2.3	9	14.0	12
Psychiatrists	0.7	8	1.5	12
General Surgeons	2.2	8	3.0	17
Radiologists	1.5	2	12.5	5
Orthopedic Surgeons	1.1	8	7.5	16
ENT surgeons	1.1	8	5.0	11
Ophthalmologists	1.0	2	4.0	3
Clinical officers	35.3	30	121.5	65
Orthopaedician	0.9	6	1.5	14
Registered Nurses	77.0	10	77.5	54
Enrolled Nurses	19.8	20	1.0	29
BSN Nurses	31.6	8	228.5	13
Registered Midwives	2.0	15	7.5	35
Accidents & Emergency Nurse	1.2	2	20.0	5
Social workers	3.2	13	49.5	19
General Physiotherapists	7.4	8	48.0	11
Orthopedic Technologists	3.8	6	25.5	17
Occupational therapists	5.4	4	39.5	10
Nutritionists	5.9	5	53.5	23
Medical Laboratory technologist	20.8	10	100.0	17
Pharmacists	8.6	5	21.5	7
Dentists	4.2	9	17.0	14
Medical engineers	7.0	7	14.5	12
Radiographers	6.9	5	39.0	10
Pharmacy technologists	5.8	6	71.5	6
Health Records Information Officers	8.1	7	79.0	11
Health Administrative Officers	1.8	10	17.5	25
Clerks	11.8	20	106.0	50
Secretaries	2.8	10	72.5	15
Accountants	2.3	10	72.5	20
Cleaners/housekeeping staff	36.8	15	231.0	25
Laundry/cooking staff	8.2	15	124.5	30

Annex Table 8: Service utilization (outpatient visits and hospital discharges) by county, Kenya 2018

Counties	Outpatient visits per person/year	Hospital discharges per 100/year	Outpatient visits score (TARGET = 5)	Hospital discharges score (TARGET = 10)
Baringo	1.0	2.2	20	22
Bomet	1.4	1.9	28	19
Bungoma	0.7	4.4	14	44
Busia	1.2	4.1	23	41
Elgeyo-marakwet	1.5	3.1	30	31
Embu	2.0	4.4	40	44
Garissa	0.7	2.1	14	21
Homa bay	0.9	3.6	17	36
Isiolo	1.3	1.9	26	19
Kajiado	1.5	5.3	30	53
Kakamega	1.5	4.5	31	45
Kericho	1.3	4.4	26	44
Kiambu	1.6	5.6	32	56
Kilifi	1.7	2.5	34	25
Kirinyaga	1.9	7.8	38	78
Kisii	0.9	5.0	18	50
Kisumu	1.1	7.5	22	75
Kitui	1.4	3.1	28	31
Kwale	1.3	1.5	27	15
Laikipia	2.5	2.2	51	22
Lamu	1.7	3.1	34	31
Machakos	1.6	4.3	32	43
Makueni	2.1	3.3	43	33
Mandera	0.4	0.7	8	7
Marsabit	1.0	1.9	19	19
Meru	1.0	4.4	19	44
Migori	0.9	6.2	18	62
Mombasa	1.2	4.5	25	45
Murang'a	1.3	2.8	25	28
Nairobi	0.9	4.6	18	46
Nakuru	1.4	4.9	29	49
Nandi	1.3	2.2	25	22
Narok	0.7	1.9	13	19
Nyamira	0.9	2.2	19	22
Nyandarua	1.2	2.7	24	27
Nyeri	2.1	5.3	42	53
Samburu	1.1	1.9	22	19
Siaya	1.1	5.0	22	50
Taita taveta	1.5	2.4	29	24

Counties	Outpatient visits per person/year	Hospital discharges per 100/year	Outpatient visits score (TARGET = 5)	Hospital discharges score (TARGET = 10)
Tana river	0.8	0.2	16	2
Tharaka-nithi	2.2	4.9	43	49
Trans nzoia	0.7	2.6	13	26
Turkana	0.9	2.0	17	20
Uasin gishu	2.6	3.4	53	34
Vihiga	0.9	3.7	18	37
Wajir	0.7	0.9	13	9
West pokot	0.9	2.3	18	23
Total	**1.2**	**3.8**	**25**	**38**

Annex Table 9: General service availability index by county, Kenya 2018

Counties	Health Services Infrastructure Index	Health Workforce Index	Service Utilization Index	Service Availability Index
Baringo	88	52	21	54
Bomet	63	51	24	46
Bungoma	77	49	29	52
Busia	105	89	32	75
Elgeyo-marakwet	111	55	30	65
Embu	148	121	42	104
Garissa	76	69	18	54
Homa bay	158	98	27	94
Isiolo	135	104	23	87
Kajiado	193	162	42	132
Kakamega	71	48	38	52
Kericho	94	144	35	91
Kiambu	168	166	44	126
Kilifi	78	58	29	55
Kirinyaga	173	113	58	115
Kisii	87	69	34	63
Kisumu	127	158	48	111
Kitui	106	76	29	70
Kwale	54	43	21	39
Laikipia	139	77	37	84
Lamu	147	108	32	96
Machakos	125	121	38	95
Makueni	137	97	38	90
Mandera	41	26	8	25
Marsabit	126	96	19	81
Meru	138	130	31	100
Migori	97	75	40	71
Mombasa	92	120	35	82
Murang'a	83	69	27	60
Nairobi	99	184	32	105
Nakuru	121	137	39	99
Nandi	55	68	23	49
Narok	63	39	16	40
Nyamira	98	105	20	74
Nyandarua	114	76	26	72
Nyeri	206	209	47	154
Samburu	124	100	20	81
Siaya	106	85	36	76
Taita taveta	134	124	27	95

Counties	Health Services Infrastructure Index	Health Workforce Index	Service Utilization Index	Service Availability Index
Tana river	64	45	9	39
Tharaka-nithi	197	207	46	150
Trans nzoia	45	55	20	40
Turkana	77	33	19	43
Uasin gishu	97	157	43	99
Vihiga	81	92	28	67
Wajir	45	31	11	29
West pokot	57	66	21	48
Total	**100.0**	**101.3**	**31.2**	**77.5**

Annex Table 10: Availability of basic amenities tracer items by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Counties	Power source	Improved water source	Consultation room	Sanitation facilities	Communication equipment	Computer with internet	Emergency transport	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Baringo	70%	86%	89%	21%	27%	10%	16%	2%	46%	63
Bomet	65%	98%	62%	18%	48%	24%	19%	5%	48%	56
Bungoma	77%	85%	79%	36%	50%	22%	17%	6%	52%	67
Busia	65%	94%	92%	55%	59%	34%	17%	5%	60%	56
Elgeyo-marakwet	51%	90%	92%	19%	27%	16%	13%	1%	44%	53
Embu	84%	97%	95%	30%	31%	16%	8%	2%	51%	63
Garissa	57%	83%	66%	35%	44%	24%	15%	4%	46%	59
Homa bay	55%	81%	90%	48%	70%	42%	14%	5%	57%	74
Isiolo	77%	92%	92%	35%	36%	34%	23%	10%	56%	36
Kajiado	71%	78%	94%	38%	51%	40%	18%	8%	56%	67
Kakamega	61%	86%	84%	58%	68%	31%	14%	3%	57%	73
Kericho	71%	89%	65%	13%	37%	22%	9%	2%	44%	63
Kiambu	83%	99%	96%	56%	73%	43%	17%	8%	66%	86
Kilifi	73%	86%	84%	70%	59%	41%	7%	2%	60%	69
Kirinyaga	90%	90%	95%	10%	74%	36%	25%	2%	60%	63
Kisii	62%	93%	74%	45%	61%	31%	19%	4%	55%	75
Kisumu	78%	93%	76%	58%	66%	32%	26%	10%	61%	73
Kitui	44%	82%	78%	34%	40%	17%	6%	2%	43%	75
Kwale	70%	82%	78%	40%	51%	25%	20%	5%	52%	54
Laikipia	92%	91%	96%	87%	41%	58%	13%	9%	69%	58
Lamu	76%	94%	69%	28%	27%	10%	14%	0%	45%	34
Machakos	53%	79%	98%	48%	61%	26%	8%	2%	54%	71
Makueni	46%	86%	97%	40%	48%	20%	15%	1%	50%	73
Mandera	76%	61%	65%	38%	26%	27%	23%	2%	45%	54
Marsabit	69%	76%	93%	56%	24%	27%	30%	1%	54%	48
Meru	77%	88%	95%	42%	29%	20%	16%	5%	52%	83
Migori	65%	86%	76%	30%	64%	19%	10%	1%	50%	69
Mombasa	97%	94%	85%	73%	88%	50%	12%	8%	71%	70

Counties	Power source	Improved water source	Consultation room	Sanitation facilities	Communication equipment	Computer with internet	Emergency transport	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Murang'a	92%	90%	86%	33%	47%	14%	16%	2%	54%	67
Nairobi	88%	87%	84%	63%	77%	77%	31%	18%	73%	89
Nakuru	72%	85%	96%	41%	48%	44%	27%	10%	59%	87
Nandi	66%	74%	74%	16%	37%	22%	16%	0%	44%	62
Narok	58%	84%	89%	18%	22%	14%	30%	2%	45%	59
Nyamira	83%	91%	76%	18%	29%	14%	18%	2%	47%	61
Nyandarua	78%	93%	98%	68%	63%	23%	11%	4%	62%	57
Nyeri	89%	90%	93%	39%	44%	38%	28%	11%	60%	72
Samburu	60%	86%	91%	36%	14%	17%	18%	1%	46%	41
Siaya	55%	86%	94%	52%	86%	23%	23%	5%	60%	69
Taita taveta	78%	87%	93%	47%	57%	50%	46%	6%	65%	49
Tana river	29%	69%	81%	28%	40%	14%	8%	0%	38%	38
Tharaka-nithi	79%	94%	98%	20%	22%	15%	15%	6%	49%	55
Trans nzoia	62%	83%	86%	37%	36%	17%	13%	4%	47%	58
Turkana	36%	47%	85%	41%	10%	12%	12%	4%	35%	61
Uasin gishu	77%	86%	91%	36%	39%	33%	33%	10%	57%	62
Vihiga	44%	89%	91%	24%	32%	22%	9%	0%	44%	45
Wajir	55%	64%	18%	16%	5%	15%	12%	0%	26%	54
West pokot	51%	68%	90%	51%	26%	5%	7%	1%	43%	56
Facility type										
Secondary & tertiary hospitals	95%	100%	90%	40%	100%	100%	95%	25%	89%	20
Public primary hospitals	78%	93%	81%	31%	89%	73%	76%	13%	74%	307
Private/ngo/fbo primary hospitals	89%	100%	91%	74%	97%	89%	70%	45%	87%	84
Health centres	79%	91%	89%	48%	70%	48%	31%	9%	65%	465
Dispensaries	59%	83%	85%	30%	34%	13%	10%	1%	45%	1261
Medical clinics	79%	85%	87%	55%	53%	37%	11%	5%	58%	790
Managing authority										
Government	61%	84%	84%	29%	40%	16%	17%	2%	47%	1658
Ngo / fbo	78%	92%	89%	47%	61%	50%	27%	11%	63%	323
Private	81%	86%	89%	57%	59%	44%	17%	8%	62%	946
Urban/rural										
Urban	84%	89%	88%	60%	67%	58%	24%	12%	67%	873
Rural	64%	84%	86%	34%	42%	18%	15%	2%	49%	2054
Total	**71%**	**86%**	**86%**	**42%**	**50%**	**31%**	**18%**	**6%**	**55%**	**2927**

Annex Table 11: Availability of basic equipment tracer items by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Counties	Adult scale	Child scale	Thermometer	Stethoscope	Blood pressure apparatus	Light source	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Baringo	92%	76%	97%	95%	90%	29%	20%	80%	63
Bomet	83%	47%	93%	96%	90%	29%	21%	73%	56
Bungoma	91%	45%	87%	87%	91%	36%	17%	73%	67
Busia	91%	54%	84%	87%	92%	16%	12%	71%	56
Elgeyo-marakwet	83%	49%	82%	93%	94%	21%	9%	70%	53
Embu	90%	5%	85%	94%	93%	31%	0%	66%	63
Garissa	77%	54%	85%	94%	94%	30%	21%	73%	59
Homa bay	92%	68%	86%	87%	85%	23%	19%	73%	74
Isiolo	95%	46%	92%	95%	95%	46%	20%	78%	36
Kajiado	90%	70%	94%	95%	97%	55%	33%	83%	67
Kakamega	87%	34%	91%	92%	92%	56%	15%	75%	73
Kericho	92%	65%	88%	93%	93%	26%	21%	76%	63
Kiambu	90%	46%	97%	99%	99%	72%	32%	84%	86
Kilifi	82%	60%	95%	93%	96%	57%	27%	80%	69
Kirinyaga	74%	9%	88%	93%	95%	37%	5%	66%	63
Kisii	88%	57%	84%	97%	94%	28%	20%	75%	75
Kisumu	96%	74%	91%	94%	97%	58%	39%	85%	73
Kitui	80%	46%	89%	87%	94%	36%	16%	72%	75
Kwale	92%	58%	96%	100%	98%	50%	26%	82%	54
Laikipia	88%	76%	98%	98%	98%	89%	69%	91%	58
Lamu	97%	76%	100%	94%	97%	43%	34%	85%	34
Machakos	84%	77%	97%	97%	88%	41%	32%	81%	71
Makueni	80%	21%	90%	92%	90%	19%	3%	66%	73
Mandera	92%	8%	90%	98%	95%	30%	6%	69%	54
Marsabit	100%	63%	99%	99%	100%	43%	31%	84%	48
Meru	64%	28%	83%	90%	93%	41%	9%	67%	83
Migori	84%	41%	92%	96%	94%	33%	18%	73%	69
Mombasa	89%	65%	95%	91%	95%	67%	43%	84%	70
Murang'a	97%	63%	98%	98%	98%	59%	32%	85%	67
Nairobi	93%	62%	89%	95%	96%	71%	49%	84%	89
Nakuru	83%	56%	88%	99%	99%	50%	25%	79%	87
Nandi	78%	41%	69%	86%	85%	23%	8%	64%	62
Narok	85%	65%	85%	93%	93%	20%	10%	74%	59
Nyamira	94%	49%	78%	98%	96%	36%	13%	75%	61
Nyandarua	85%	58%	98%	98%	98%	56%	37%	82%	57
Nyeri	88%	45%	96%	97%	97%	56%	28%	80%	72

Counties	Adult scale	Child scale	Thermometer	Stethoscope	Blood pressure apparatus	Light source	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Samburu	90%	82%	97%	100%	100%	82%	62%	92%	41
Siaya	100%	57%	90%	90%	97%	28%	15%	77%	69
Taita taveta	100%	77%	100%	96%	88%	46%	35%	85%	49
Tana river	88%	57%	92%	97%	84%	16%	8%	72%	38
Tharaka-nithi	91%	29%	91%	94%	94%	26%	6%	71%	55
Trans nzoia	74%	62%	92%	96%	94%	38%	16%	76%	58
Turkana	93%	61%	88%	86%	88%	17%	16%	72%	61
Uasin gishu	89%	50%	91%	93%	98%	26%	14%	75%	62
Vihiga	80%	32%	81%	97%	85%	33%	11%	68%	45
Wajir	75%	66%	89%	92%	86%	47%	33%	76%	54
West pokot	80%	51%	83%	91%	82%	11%	8%	66%	56
Facility type									
Secondary & tertiary hospitals	100%	65%	95%	95%	95%	60%	50%	85%	20
Public primary hospitals	87%	43%	84%	93%	94%	36%	21%	73%	307
Private/ngo/fbo primary hospitals	93%	60%	95%	95%	97%	76%	48%	86%	84
Health centres	93%	59%	90%	97%	96%	47%	30%	80%	465
Dispensaries	87%	59%	88%	92%	92%	26%	17%	74%	1261
Medical clinics	82%	39%	93%	95%	95%	62%	27%	78%	790
Managing authority									
Government	87%	59%	87%	92%	92%	27%	17%	74%	1658
Ngo / fbo	89%	54%	93%	95%	95%	44%	26%	78%	323
Private	85%	43%	94%	96%	96%	63%	31%	80%	946
Urban/rural									
Urban	87%	48%	91%	95%	95%	64%	33%	80%	873
Rural	87%	54%	90%	94%	93%	34%	19%	75%	2054
Total	**87%**	**52%**	**90%**	**94%**	**94%**	**44%**	**24%**	**77%**	**2927**

Annex Table 12: Availability of standard precautions for infection prevention tracer items by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Counties	Safe final disposal of sharps	Safe final disposal of infectious waste	Appropriate storage of sharps waste	Appropriate storage of infectious waste	Disinfectant	Disposable or auto disable syringes	Soap and water OR alcohol based hand rub	Latex gloves	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Baringo	81%	79%	72%	41%	98%	100%	58%	74%	23%	75%	63
Bomet	73%	74%	75%	48%	65%	100%	39%	81%	17%	69%	56
Bungoma	80%	82%	47%	23%	94%	100%	30%	45%	13%	63%	67
Busia	90%	81%	52%	8%	78%	92%	51%	66%	8%	65%	56
Elgeyo-marakwet	73%	79%	60%	8%	77%	100%	34%	55%	0%	61%	53
Embu	80%	79%	55%	7%	77%	99%	41%	60%	5%	62%	63
Garissa	64%	66%	45%	5%	77%	96%	43%	47%	1%	56%	59
Homa bay	35%	37%	71%	21%	90%	98%	52%	69%	3%	59%	74
Isiolo	46%	62%	44%	11%	97%	97%	10%	44%	3%	51%	36
Kajiado	72%	72%	56%	25%	73%	100%	32%	61%	6%	61%	67
Kakamega	84%	84%	54%	20%	92%	97%	49%	61%	13%	68%	73
Kericho	67%	57%	58%	22%	95%	98%	42%	61%	9%	62%	63
Kiambu	71%	69%	43%	27%	95%	99%	45%	50%	13%	62%	86
Kilifi	84%	72%	60%	46%	94%	97%	60%	63%	26%	72%	69
Kirinyaga	86%	65%	30%	13%	71%	89%	35%	44%	2%	54%	63
Kisii	78%	71%	59%	34%	95%	98%	42%	60%	12%	67%	75
Kisumu	80%	90%	64%	39%	82%	94%	49%	70%	13%	71%	73
Kitui	51%	58%	68%	32%	67%	100%	55%	72%	9%	63%	75
Kwale	72%	74%	61%	31%	88%	100%	54%	60%	18%	68%	54
Laikipia	88%	89%	64%	32%	92%	98%	48%	59%	11%	71%	58
Lamu	78%	69%	62%	49%	97%	97%	49%	61%	12%	70%	34
Machakos	71%	73%	47%	19%	85%	97%	32%	43%	6%	58%	71
Makueni	66%	72%	34%	24%	83%	100%	64%	74%	3%	65%	73
Mandera	78%	79%	31%	19%	92%	96%	3%	31%	2%	53%	54
Marsabit	68%	71%	78%	51%	100%	100%	78%	80%	26%	78%	48
Meru	85%	83%	58%	21%	73%	91%	48%	61%	10%	65%	83
Migori	83%	87%	37%	22%	65%	89%	31%	45%	4%	57%	69
Mombasa	97%	95%	46%	32%	91%	98%	39%	49%	21%	68%	70
Murang'a	89%	85%	64%	39%	94%	100%	50%	68%	23%	74%	67
Nairobi	94%	96%	36%	29%	91%	96%	38%	45%	19%	66%	89
Nakuru	78%	75%	43%	14%	89%	99%	32%	52%	3%	60%	87
Nandi	71%	67%	43%	8%	90%	98%	21%	44%	3%	55%	62

Counties	Safe final disposal of sharps	Safe final disposal of infectious waste	Appropriate storage of sharps waste	Appropriate storage of infectious waste	Disinfectant	Disposable or auto disable syringes	Soap and water OR alcohol based hand rub	Latex gloves	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Narok	87%	66%	62%	23%	96%	100%	33%	66%	7%	67%	59
Nyamira	82%	75%	55%	4%	80%	100%	31%	63%	0%	61%	61
Nyandarua	93%	95%	66%	53%	98%	100%	66%	66%	51%	79%	57
Nyeri	82%	85%	62%	22%	88%	98%	69%	74%	18%	73%	72
Samburu	87%	87%	79%	37%	100%	100%	69%	77%	34%	80%	41
Siaya	88%	87%	56%	52%	75%	97%	43%	81%	11%	72%	69
Taita taveta	69%	74%	33%	15%	95%	100%	24%	33%	7%	55%	49
Tana river	84%	64%	56%	19%	100%	100%	40%	60%	8%	65%	38
Tharaka-nithi	87%	74%	48%	14%	78%	100%	29%	52%	10%	60%	55
Trans nzoia	82%	80%	40%	10%	89%	96%	36%	52%	6%	61%	58
Turkana	84%	71%	81%	53%	85%	98%	46%	82%	18%	75%	61
Uasin gishu	68%	72%	49%	12%	81%	98%	40%	52%	6%	59%	62
Vihiga	95%	86%	50%	9%	49%	88%	48%	42%	7%	58%	45
Wajir	47%	47%	42%	2%	77%	91%	21%	51%	0%	47%	54
West pokot	70%	81%	60%	5%	92%	96%	28%	55%	2%	61%	56
Facility type											
Secondary & tertiary hospitals	85%	90%	60%	25%	100%	100%	70%	80%	20%	76%	20
Public primary hospitals	86%	87%	52%	25%	88%	97%	52%	76%	10%	70%	307
Private/ngo/fbo primary hospitals	83%	89%	29%	21%	97%	97%	45%	46%	15%	63%	84
Health centres	82%	82%	38%	22%	87%	97%	37%	45%	10%	61%	465
Dispensaries	75%	72%	65%	28%	86%	98%	46%	69%	11%	67%	1261
Medical clinics	79%	77%	47%	24%	83%	96%	42%	51%	12%	62%	790
Managing authority											
Government	76%	74%	63%	28%	86%	98%	47%	70%	10%	68%	1658
Ngo / fbo	80%	80%	39%	24%	88%	98%	40%	48%	13%	62%	323
Private	80%	78%	45%	22%	85%	96%	40%	48%	12%	62%	946
Urban/rural											
Urban	80%	80%	41%	25%	86%	96%	41%	48%	12%	62%	873
Rural	77%	75%	59%	26%	85%	98%	45%	64%	11%	66%	2054
Total	**78%**	**76%**	**53%**	**25%**	**86%**	**97%**	**43%**	**59%**	**12%**	**65%**	**2927**

Annex Table 13: Availability of diagnostics tracer items by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Counties	Haemoglobin	Blood glucose	Malaria diagnostic capacity	Urine dipstick-protein	Urine dipstick-glucose	HIV diagnostic capacity	Syphilis rapid test	Urine test for pregnancy	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Baringo	12%	25%	69%	22%	22%	90%	40%	31%	6%	39%	63
Bomet	10%	40%	72%	36%	36%	68%	50%	41%	7%	44%	56
Bungoma	35%	59%	91%	60%	60%	99%	82%	83%	29%	71%	67
Busia	16%	67%	93%	51%	51%	95%	69%	77%	8%	65%	56
Elgeyo-marakwet	25%	29%	51%	30%	30%	91%	29%	35%	11%	40%	53
Embu	43%	53%	66%	14%	14%	72%	63%	54%	5%	48%	63
Garissa	59%	57%	82%	60%	60%	80%	74%	76%	27%	69%	59
Homa bay	19%	40%	94%	22%	22%	89%	79%	57%	14%	53%	74
Isiolo	30%	60%	69%	56%	56%	95%	69%	57%	22%	61%	36
Kajiado	32%	72%	73%	49%	49%	84%	68%	68%	16%	62%	67
Kakamega	20%	47%	91%	37%	37%	85%	74%	65%	5%	57%	73
Kericho	31%	43%	78%	45%	45%	86%	65%	48%	9%	55%	63
Kiambu	46%	78%	75%	59%	59%	86%	68%	73%	26%	68%	86
Kilifi	31%	50%	87%	37%	37%	86%	68%	76%	13%	59%	69
Kirinyaga	23%	68%	53%	46%	46%	76%	60%	63%	20%	54%	63
Kisii	26%	48%	73%	46%	46%	91%	56%	58%	13%	55%	75
Kisumu	36%	50%	95%	45%	45%	86%	64%	58%	14%	60%	73
Kitui	20%	46%	39%	30%	30%	72%	42%	43%	4%	40%	75
Kwale	43%	65%	96%	41%	41%	82%	69%	69%	31%	63%	54
Laikipia	23%	62%	76%	32%	32%	80%	68%	66%	13%	55%	58
Lamu	13%	57%	63%	39%	39%	91%	66%	51%	6%	52%	34
Machakos	23%	51%	74%	40%	40%	90%	57%	53%	14%	53%	71
Makueni	20%	50%	88%	45%	45%	91%	61%	55%	13%	57%	73
Mandera	31%	71%	60%	44%	44%	88%	84%	69%	19%	61%	54
Marsabit	21%	33%	74%	17%	17%	80%	34%	39%	5%	39%	48
Meru	24%	48%	31%	35%	35%	63%	45%	48%	11%	41%	83
Migori	16%	34%	89%	36%	36%	97%	75%	62%	6%	55%	69
Mombasa	43%	73%	93%	69%	69%	75%	73%	81%	29%	72%	70
Murang'a	23%	58%	63%	50%	50%	85%	58%	63%	16%	56%	67
Nairobi	65%	83%	77%	78%	78%	87%	83%	86%	48%	80%	89
Nakuru	46%	57%	82%	60%	60%	86%	70%	68%	33%	66%	87
Nandi	25%	45%	77%	38%	38%	78%	64%	50%	9%	52%	62
Narok	9%	41%	70%	38%	38%	86%	66%	52%	5%	50%	59
Nyamira	16%	50%	36%	31%	31%	98%	72%	61%	8%	49%	61

Counties	Haemoglobin	Blood glucose	Malaria diagnostic capacity	Urine dipstick-protein	Urine dipstick-glucose	HIV diagnostic capacity	Syphilis rapid test	Urine test for pregnancy	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Nyandarua	25%	61%	78%	49%	49%	89%	63%	58%	24%	59%	57
Nyeri	30%	43%	51%	36%	36%	62%	40%	41%	15%	42%	72
Samburu	17%	32%	85%	26%	26%	77%	35%	37%	8%	42%	41
Siaya	26%	52%	93%	28%	28%	87%	68%	66%	8%	56%	69
Taita taveta	25%	59%	55%	50%	50%	89%	80%	83%	16%	61%	49
Tana river	8%	40%	79%	22%	22%	81%	56%	60%	3%	46%	38
Tharaka-nithi	18%	55%	76%	36%	36%	81%	56%	55%	8%	52%	55
Trans nzoia	26%	53%	59%	56%	56%	86%	72%	58%	16%	58%	58
Turkana	8%	19%	90%	15%	15%	80%	26%	21%	7%	34%	61
Uasin gishu	19%	61%	76%	43%	43%	88%	60%	61%	16%	57%	62
Vihiga	19%	50%	93%	18%	18%	85%	61%	50%	7%	49%	45
Wajir	22%	29%	81%	22%	22%	77%	46%	40%	10%	43%	54
West pokot	13%	26%	84%	25%	25%	91%	40%	46%	7%	44%	56
Facility type											
Secondary & tertiary hospitals	95%	95%	80%	90%	90%	95%	100%	100%	70%	93%	20
Public primary hospitals	73%	94%	84%	72%	72%	98%	92%	93%	47%	85%	307
Private/ngo/fbo primary hospitals	89%	95%	92%	86%	86%	96%	98%	98%	68%	93%	84
Health centres	45%	76%	82%	63%	63%	92%	84%	82%	24%	73%	465
Dispensaries	15%	32%	72%	27%	27%	89%	51%	41%	8%	44%	1261
Medical clinics	31%	63%	69%	48%	48%	69%	60%	68%	17%	57%	790
Managing authority											
Government	19%	36%	74%	30%	30%	90%	56%	44%	10%	47%	1658
Ngo / fbo	43%	77%	78%	61%	61%	92%	78%	80%	29%	71%	323
Private	38%	69%	72%	55%	55%	73%	66%	74%	22%	63%	946
Urban/rural											
Urban	48%	73%	75%	60%	60%	79%	74%	79%	30%	69%	873
Rural	20%	44%	73%	35%	35%	86%	57%	51%	10%	50%	2054
Total	**30%**	**54%**	**74%**	**43%**	**43%**	**84%**	**62%**	**60%**	**17%**	**56%**	**2927**

Annex Table 14: Availability of essential medicines tracer items by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Counties	Amlodipine tablet or alternative calcium channel blocker	Amoxicillin syrup/ suspension/dispersible tablet	Amoxicillin tablet	Ampicillin injection	Aspirin cap/tab	Beclometasone inhaler	Beta blocker	Carbamzepine tablet	Ceftriaxone injection	Enalapril tablet or alternative ACE inhibitor	Fluoxetine tablet	Gentamicin injection	Glibenclamide tablet	Haloperidol tablet	Insulin regular injection	Magnesium sulphate injectable	Metformin tablet	Omeprazole tablet or alternative	Oral rehydration solution	Oxytocin injection	Salbutamol inhaler	Simvastatin tablet or other statin	Thiazide	Zinc sulphate tablet or syrup	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Baringo	10%	68%	49%	3%	44%	8%	10%	27%	46%	28%	5%	47%	31%	5%	16%	40%	36%	47%	90%	55%	54%	10%	26%	88%	0%	35%	63
Bomet	16%	24%	56%	14%	63%	10%	8%	54%	68%	74%	5%	69%	60%	9%	31%	14%	74%	73%	94%	32%	35%	3%	73%	87%	0%	43%	56
Bungoma	12%	37%	31%	10%	8%	7%	9%	10%	30%	19%	3%	48%	16%	5%	8%	41%	16%	26%	69%	56%	12%	6%	16%	65%	0%	24%	67
Busia	21%	55%	53%	22%	25%	5%	14%	15%	55%	53%	2%	85%	33%	5%	19%	46%	40%	30%	90%	66%	36%	1%	46%	92%	0%	39%	56
Elgeyo-marakwet	9%	54%	70%	3%	49%	6%	11%	20%	18%	20%	1%	69%	18%	3%	10%	19%	24%	53%	96%	55%	10%	2%	34%	93%	0%	30%	53
Embu	27%	59%	67%	3%	55%	9%	23%	39%	83%	49%	4%	82%	39%	6%	13%	14%	53%	72%	87%	43%	53%	16%	81%	83%	0%	44%	63
Garissa	9%	47%	59%	20%	47%	9%	10%	30%	58%	61%	6%	61%	43%	7%	32%	43%	61%	58%	69%	49%	29%	6%	23%	78%	0%	38%	59
Homa bay	11%	56%	59%	13%	52%	12%	18%	18%	65%	35%	5%	68%	43%	7%	25%	26%	49%	60%	86%	77%	33%	3%	23%	90%	0%	39%	74
Isiolo	20%	51%	88%	13%	70%	15%	14%	11%	58%	29%	2%	61%	30%	6%	28%	51%	46%	45%	97%	84%	62%	9%	24%	98%	2%	42%	36
Kajiado	40%	58%	70%	10%	47%	8%	37%	27%	56%	51%	3%	65%	53%	9%	35%	29%	52%	65%	76%	57%	42%	15%	62%	71%	0%	44%	67
Kakamega	25%	41%	59%	10%	41%	7%	12%	21%	67%	36%	6%	78%	33%	13%	22%	45%	41%	75%	79%	71%	18%	8%	39%	77%	2%	39%	73
Kericho	15%	62%	36%	11%	42%	9%	12%	18%	43%	21%	7%	66%	26%	11%	15%	11%	28%	76%	77%	47%	22%	4%	21%	77%	0%	32%	63
Kiambu	60%	57%	77%	9%	68%	15%	41%	40%	82%	66%	6%	76%	67%	13%	39%	19%	75%	88%	84%	44%	60%	28%	76%	82%	0%	53%	86
Kilifi	24%	60%	78%	21%	51%	11%	24%	32%	76%	44%	2%	72%	49%	4%	28%	43%	58%	65%	72%	66%	51%	7%	54%	75%	0%	44%	69
Kirinyaga	38%	56%	68%	4%	31%	8%	22%	41%	61%	49%	1%	67%	42%	15%	23%	20%	46%	71%	71%	37%	47%	9%	46%	76%	0%	40%	63
Kisii	28%	57%	84%	13%	50%	6%	21%	25%	61%	27%	6%	59%	29%	9%	30%	28%	34%	63%	79%	77%	31%	14%	32%	88%	0%	40%	75
Kisumu	27%	50%	68%	23%	64%	16%	25%	25%	75%	61%	4%	75%	56%	13%	31%	47%	49%	86%	81%	61%	53%	13%	40%	79%	0%	47%	73
Kitui	43%	56%	79%	9%	65%	12%	40%	52%	82%	63%	6%	88%	57%	11%	28%	39%	71%	88%	97%	69%	64%	17%	70%	93%	1%	53%	75
Kwale	34%	68%	92%	5%	42%	15%	34%	27%	90%	69%	1%	86%	59%	6%	22%	47%	78%	78%	86%	82%	63%	14%	82%	90%	0%	54%	54
Laikipia	28%	58%	78%	11%	39%	8%	23%	48%	50%	26%	8%	76%	33%	14%	17%	34%	41%	75%	80%	52%	28%	15%	34%	80%	0%	40%	58
Lamu	19%	46%	68%	5%	45%	3%	11%	28%	74%	48%	3%	71%	78%	19%	16%	32%	66%	65%	88%	55%	24%	5%	33%	80%	0%	40%	34
Machakos	28%	66%	86%	11%	51%	14%	27%	28%	72%	51%	4%	81%	59%	15%	31%	22%	57%	61%	73%	58%	36%	18%	62%	75%	0%	45%	71
Makueni	56%	67%	89%	6%	42%	14%	31%	28%	54%	45%	3%	92%	63%	19%	19%	39%	66%	38%	89%	67%	59%	10%	76%	88%	2%	48%	73
Mandera	28%	77%	71%	7%	35%	12%	17%	45%	71%	51%	5%	62%	57%	7%	51%	56%	74%	58%	88%	82%	61%	4%	62%	88%	0%	48%	54
Marsabit	31%	74%	87%	12%	89%	20%	41%	62%	92%	87%	4%	95%	57%	11%	24%	74%	74%	32%	96%	87%	69%	8%	78%	98%	0%	59%	48
Meru	26%	40%	63%	4%	31%	16%	22%	34%	50%	47%	9%	61%	51%	19%	19%	12%	51%	60%	67%	22%	29%	11%	59%	70%	0%	37%	83
Migori	15%	48%	62%	10%	30%	4%	13%	27%	54%	35%	0%	62%	31%	8%	23%	53%	32%	53%	80%	82%	28%	3%	26%	67%	0%	36%	69
Mombasa	33%	57%	76%	24%	47%	14%	24%	15%	76%	48%	2%	70%	48%	5%	38%	24%	56%	70%	76%	53%	51%	12%	41%	70%	0%	43%	70
Murang'a	40%	74%	100%	15%	56%	8%	35%	46%	45%	63%	4%	60%	79%	22%	18%	14%	87%	92%	95%	31%	76%	10%	82%	89%	0%	51%	67
Nairobi	76%	74%	88%	9%	70%	20%	49%	50%	86%	62%	4%	74%	64%	11%	43%	25%	68%	79%	85%	48%	61%	44%	75%	84%	0%	57%	89
Nakuru	30%	50%	60%	15%	53%	10%	27%	40%	66%	59%	8%	65%	50%	20%	32%	32%	57%	69%	76%	47%	47%	14%	51%	78%	0%	44%	87

Counties	Amlodipine tablet or alternative calcium channel blocker	Amoxicillin syrup/ suspension/dispersible tablet	Amoxicillin tablet	Ampicillin injection	Aspirin cap/tab	Beclometasone inhaler	Beta blocker	Carbamzepine tablet	Ceftriaxone injection	Enalapril tablet or alternative ACE inhibitor	Fluoxetine tablet	Gentamicin injection	Glibenclamide tablet	Haloperidol tablet	Insulin regular injection	Magnesium sulphate injectable	Metformin tablet	Omeprazole tablet or alternative	Oral rehydration solution	Oxytocin injection	Salbutamol inhaler	Simvastatin tablet or other statin	Thiazide	Zinc sulphate tablet or syrup	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Nandi	30%	42%	55%	3%	55%	25%	15%	44%	83%	74%	5%	66%	58%	11%	25%	17%	54%	86%	76%	69%	75%	12%	76%	90%	0%	48%	62
Narok	17%	78%	98%	5%	47%	4%	13%	20%	94%	23%	3%	98%	16%	19%	15%	78%	23%	93%	97%	79%	22%	1%	57%	74%	0%	46%	59
Nyamira	21%	58%	56%	10%	57%	7%	13%	20%	63%	42%	1%	53%	47%	5%	12%	26%	54%	50%	85%	78%	26%	5%	46%	87%	0%	38%	61
Nyandarua	40%	74%	87%	10%	71%	28%	30%	51%	78%	82%	4%	85%	93%	12%	29%	26%	95%	98%	94%	43%	73%	12%	87%	91%	0%	57%	57
Nyeri	62%	72%	91%	14%	68%	17%	54%	43%	67%	71%	15%	73%	70%	24%	24%	15%	77%	80%	77%	25%	38%	32%	78%	74%	0%	53%	72
Samburu	32%	69%	87%	37%	57%	25%	31%	29%	87%	44%	8%	83%	55%	17%	39%	62%	55%	85%	87%	70%	72%	5%	14%	87%	1%	51%	41
Siaya	15%	39%	40%	8%	44%	14%	23%	28%	52%	45%	2%	72%	37%	9%	17%	41%	39%	39%	70%	68%	29%	17%	43%	66%	0%	37%	69
Taita taveta	41%	73%	91%	13%	79%	11%	28%	48%	88%	70%	5%	80%	57%	14%	20%	41%	50%	83%	93%	80%	62%	21%	67%	74%	0%	53%	49
Tana river	15%	40%	47%	11%	47%	8%	13%	21%	47%	62%	1%	53%	30%	6%	22%	37%	25%	44%	93%	67%	33%	6%	63%	93%	0%	37%	38
Tharaka-nithi	20%	92%	87%	6%	51%	13%	17%	47%	60%	64%	2%	77%	57%	4%	17%	10%	62%	94%	83%	26%	45%	5%	77%	91%	0%	45%	55
Trans nzoia	19%	29%	71%	13%	48%	6%	22%	28%	71%	43%	2%	60%	32%	6%	12%	27%	37%	38%	69%	46%	18%	7%	29%	59%	0%	34%	58
Turkana	5%	69%	78%	9%	8%	4%	3%	4%	59%	4%	5%	71%	7%	5%	7%	61%	9%	54%	87%	75%	7%	1%	4%	87%	0%	30%	61
Uasin gishu	29%	58%	63%	11%	61%	13%	14%	38%	57%	37%	10%	69%	38%	10%	22%	34%	51%	67%	87%	56%	28%	12%	38%	86%	0%	41%	62
Vihiga	33%	41%	65%	18%	69%	8%	10%	38%	72%	47%	5%	55%	42%	15%	28%	32%	44%	74%	83%	69%	56%	7%	53%	83%	2%	44%	45
Wajir	22%	46%	65%	9%	50%	3%	10%	34%	33%	32%	2%	45%	49%	5%	31%	33%	52%	68%	83%	69%	22%	5%	38%	90%	0%	37%	54
West pokot	13%	59%	88%	8%	13%	9%	5%	12%	67%	10%	0%	89%	9%	5%	7%	20%	12%	68%	88%	66%	45%	1%	8%	91%	0%	33%	56
Facility type																											
Secondary & tertiary hospitals	85%	90%	100%	40%	90%	50%	95%	80%	95%	100%	65%	85%	90%	70%	100%	95%	95%	90%	100%	95%	85%	75%	100%	100%	15%	87%	20
Public primary hospitals	72%	73%	92%	11%	88%	37%	61%	73%	87%	89%	21%	84%	90%	42%	82%	80%	89%	81%	92%	96%	70%	42%	85%	93%	0%	72%	307
Private/ngo/ fbo primary hospitals	91%	76%	98%	32%	92%	37%	88%	82%	91%	91%	28%	92%	95%	55%	91%	83%	96%	91%	93%	81%	93%	63%	86%	91%	1%	80%	84
Health centres	39%	59%	74%	14%	62%	15%	31%	48%	73%	60%	5%	80%	64%	15%	43%	55%	71%	73%	88%	85%	52%	15%	63%	89%	1%	53%	465
Dispensaries	16%	55%	65%	6%	45%	6%	11%	21%	56%	37%	1%	67%	36%	3%	11%	29%	41%	61%	86%	57%	36%	5%	44%	87%	0%	37%	1261
Medical clinics	41%	58%	76%	13%	44%	13%	31%	33%	70%	52%	5%	68%	49%	13%	24%	12%	54%	72%	72%	32%	42%	17%	55%	67%	0%	43%	790
Managing authority																											
Government	17%	53%	62%	6%	49%	7%	13%	27%	56%	38%	3%	68%	40%	7%	15%	39%	45%	58%	87%	66%	37%	5%	46%	87%	0%	39%	1658
Ngo / fbo	48%	68%	85%	15%	55%	19%	33%	37%	77%	63%	4%	81%	61%	11%	39%	31%	66%	79%	84%	55%	56%	23%	65%	86%	0%	52%	323
Private	48%	61%	80%	15%	50%	16%	38%	40%	75%	58%	7%	72%	55%	17%	35%	21%	60%	76%	75%	43%	49%	21%	59%	71%	0%	48%	946
Urban/rural																											
Urban	52%	60%	77%	15%	56%	20%	41%	41%	74%	57%	8%	70%	57%	16%	40%	28%	60%	74%	74%	45%	52%	26%	57%	73%	1%	49%	873
Rural	23%	57%	69%	9%	47%	8%	17%	29%	62%	45%	3%	72%	45%	9%	18%	33%	50%	65%	86%	61%	39%	7%	51%	85%	0%	41%	2054
Total	**33%**	**58%**	**72%**	**11%**	**50%**	**12%**	**25%**	**33%**	**66%**	**49%**	**5%**	**71%**	**49%**	**11%**	**25%**	**31%**	**54%**	**68%**	**82%**	**55%**	**44%**	**14%**	**53%**	**81%**	**0%**	**44%**	**2927**

Annex Table 15: General service readiness index and domain scores by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Counties	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Diagnostics mean score	Essential medicines mean score	General service readiness index	Total number of facilities
Baringo	46%	80%	75%	39%	35%	55%	63
Bomet	48%	73%	69%	44%	43%	55%	56
Bungoma	52%	73%	63%	71%	24%	57%	67
Busia	60%	71%	65%	65%	39%	60%	56
Elgeyo-marakwet	44%	70%	61%	40%	30%	49%	53
Embu	51%	66%	62%	48%	44%	54%	63
Garissa	46%	73%	56%	69%	38%	56%	59
Homa bay	57%	73%	59%	53%	39%	56%	74
Isiolo	56%	78%	51%	61%	42%	58%	36
Kajiado	56%	83%	61%	62%	44%	61%	67
Kakamega	57%	75%	68%	57%	39%	59%	73
Kericho	44%	76%	62%	55%	32%	54%	63
Kiambu	66%	84%	62%	68%	53%	67%	86
Kilifi	60%	80%	72%	59%	44%	63%	69
Kirinyaga	60%	66%	54%	54%	40%	55%	63
Kisii	55%	75%	67%	55%	40%	58%	75
Kisumu	61%	85%	71%	60%	47%	65%	73
Kitui	43%	72%	63%	40%	53%	54%	75
Kwale	52%	82%	68%	63%	54%	64%	54
Laikipia	69%	91%	71%	55%	40%	65%	58
Lamu	45%	85%	70%	52%	40%	59%	34
Machakos	54%	81%	58%	53%	45%	58%	71
Makueni	50%	66%	65%	57%	48%	57%	73
Mandera	45%	69%	53%	61%	48%	55%	54
Marsabit	54%	84%	78%	39%	59%	63%	48
Meru	52%	67%	65%	41%	37%	52%	83
Migori	50%	73%	57%	55%	36%	54%	69
Mombasa	71%	84%	68%	72%	43%	68%	70
Murang'a	54%	85%	74%	56%	51%	64%	67
Nairobi	73%	84%	66%	80%	57%	72%	89
Nakuru	59%	79%	60%	66%	44%	62%	87
Nandi	44%	64%	55%	52%	48%	52%	62
Narok	45%	74%	67%	50%	46%	56%	59
Nyamira	47%	75%	61%	49%	38%	54%	61
Nyandarua	62%	82%	79%	59%	57%	68%	57
Nyeri	60%	80%	73%	42%	53%	62%	72

Counties	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Diagnostics mean score	Essential medicines mean score	General service readiness index	Total number of facilities
Samburu	46%	92%	80%	42%	51%	62%	41
Siaya	60%	77%	72%	56%	37%	60%	69
Taita taveta	65%	85%	55%	61%	53%	64%	49
Tana river	38%	72%	65%	46%	37%	52%	38
Tharaka-nithi	49%	71%	60%	52%	45%	55%	55
Trans nzoia	47%	76%	61%	58%	34%	55%	58
Turkana	35%	72%	75%	34%	30%	49%	61
Uasin gishu	57%	75%	59%	57%	41%	58%	62
Vihiga	44%	68%	58%	49%	44%	53%	45
Wajir	26%	76%	47%	43%	37%	46%	54
West pokot	43%	66%	61%	44%	33%	49%	56
Facility type							
Secondary & tertiary hospitals	89%	85%	76%	93%	87%	86%	20
Public primary hospitals	74%	73%	70%	85%	72%	75%	307
Private/ngo/fbo primary hospitals	87%	86%	63%	93%	80%	82%	84
Health centres	65%	80%	61%	73%	53%	67%	465
Dispensaries	45%	74%	67%	44%	37%	53%	1261
Medical clinics	58%	78%	62%	57%	43%	60%	790
Managing authority							
Government	47%	74%	68%	47%	39%	55%	1658
Ngo / fbo	63%	78%	62%	71%	52%	65%	323
Private	62%	80%	62%	63%	48%	63%	946
Urban/rural							
Urban	67%	80%	62%	69%	49%	65%	873
Rural	49%	75%	66%	50%	41%	56%	2054
Total	**55%**	**77%**	**65%**	**56%**	**44%**	**59%**	**2927**

Annex Table 16: Percentage of facilities that have lifesaving commodities observed in stock and valid by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

	Family planning commodities			Maternal health commodities			Newborn health commodities				Child health commodities			
County	Female condoms	Implants	Emergency contraceptives	Oxytocin	Misoprostol	Magnesium sulphate	Injectable antibiotics	Antenatal corticosteroids	Skin disinfectant	Resuscitation equipment	Amoxicillin	Oral rehydration salts	Zinc sulphate	Total number of facilities
Baringo	18%	82%	71%	55%	3%	40%	13%	63%	55%	11%	68%	90%	88%	63
Bomet	9%	73%	54%	32%	7%	14%	11%	48%	55%	8%	24%	94%	87%	56
Bungoma	31%	72%	69%	56%	18%	41%	20%	45%	59%	18%	37%	69%	65%	67
Busia	39%	76%	48%	66%	11%	46%	26%	32%	65%	27%	55%	90%	92%	56
Elgeyo-marakwet	9%	84%	49%	55%	7%	19%	2%	27%	32%	19%	54%	96%	93%	53
Embu	46%	63%	58%	43%	9%	14%	15%	20%	33%	5%	59%	87%	83%	63
Garissa	20%	47%	29%	49%	15%	43%	21%	65%	50%	15%	47%	69%	78%	59
Homa bay	38%	76%	58%	77%	18%	26%	36%	43%	66%	14%	56%	86%	90%	74
Isiolo	31%	80%	73%	84%	10%	51%	23%	77%	77%	21%	51%	97%	98%	36
Kajiado	36%	77%	52%	57%	17%	29%	25%	56%	53%	23%	58%	76%	71%	67
Kakamega	59%	84%	60%	71%	17%	45%	43%	54%	66%	24%	41%	79%	77%	73
Kericho	6%	51%	13%	47%	5%	11%	11%	20%	48%	12%	62%	77%	77%	63
Kiambu	17%	69%	50%	44%	20%	19%	37%	51%	37%	10%	57%	84%	82%	86
Kilifi	52%	74%	63%	66%	24%	43%	32%	46%	74%	21%	60%	72%	75%	69
Kirinyaga	30%	58%	45%	37%	11%	20%	11%	31%	34%	10%	56%	71%	76%	63
Kisii	19%	82%	69%	77%	12%	28%	12%	53%	73%	14%	57%	79%	88%	75
Kisumu	50%	76%	64%	61%	20%	47%	34%	58%	59%	31%	50%	81%	79%	73
Kitui	49%	90%	70%	69%	11%	39%	37%	59%	65%	21%	56%	97%	93%	75
Kwale	37%	72%	42%	82%	13%	47%	32%	45%	74%	22%	68%	86%	90%	54
Laikipia	51%	77%	63%	52%	12%	34%	15%	52%	61%	17%	58%	80%	80%	58
Lamu	9%	82%	57%	55%	8%	32%	18%	33%	58%	11%	46%	88%	80%	34
Machakos	28%	71%	53%	58%	18%	22%	34%	42%	53%	18%	66%	73%	75%	71
Makueni	28%	83%	68%	67%	11%	39%	21%	50%	78%	5%	67%	89%	88%	73
Mandera	0%	43%	59%	82%	22%	56%	22%	71%	80%	12%	77%	88%	88%	54
Marsabit	17%	60%	65%	87%	8%	74%	72%	85%	98%	18%	74%	96%	98%	48
Meru	23%	47%	48%	22%	13%	12%	11%	32%	33%	7%	40%	67%	70%	83
Migori	48%	82%	43%	82%	15%	53%	19%	36%	49%	15%	48%	80%	67%	69
Mombasa	34%	50%	36%	53%	28%	24%	48%	43%	37%	6%	57%	76%	70%	70
Murang'a	23%	79%	36%	31%	10%	14%	7%	29%	43%	9%	74%	95%	89%	67
Nairobi	34%	58%	46%	48%	30%	25%	29%	55%	50%	11%	74%	85%	84%	89
Nakuru	40%	74%	60%	47%	17%	32%	37%	43%	60%	19%	50%	76%	78%	87
Nandi	39%	79%	53%	69%	5%	17%	25%	36%	44%	8%	42%	76%	90%	62
Narok	20%	73%	51%	79%	14%	78%	21%	59%	81%	18%	78%	97%	74%	59
Nyamira	59%	96%	65%	78%	15%	26%	34%	31%	75%	5%	58%	85%	87%	61

	Family planning commodities			Maternal health commodities			Newborn health commodities				Child health commodities			
County	Female condoms	Implants	Emergency contraceptives	Oxytocin	Misoprostol	Magnesium sulphate	Injectable antibiotics	Antenatal corticosteroids	Skin disinfectant	Resuscitation equipment	Amoxicillin	Oral rehydration salts	Zinc sulphate	Total number of facilities
Nyandarua	12%	71%	75%	43%	5%	26%	21%	52%	50%	16%	74%	94%	91%	57
Nyeri	21%	55%	58%	25%	12%	15%	22%	45%	47%	10%	72%	77%	74%	72
Samburu	71%	86%	83%	70%	15%	62%	43%	85%	87%	55%	69%	87%	87%	41
Siaya	47%	79%	49%	68%	16%	41%	52%	36%	52%	22%	39%	70%	66%	69
Taita taveta	32%	68%	72%	80%	13%	41%	20%	33%	76%	24%	73%	93%	74%	49
Tana river	25%	64%	29%	67%	6%	37%	37%	59%	70%	11%	40%	93%	93%	38
Tharaka-nithi	40%	64%	52%	26%	5%	10%	6%	22%	55%	11%	92%	83%	91%	55
Trans nzoia	23%	76%	31%	46%	19%	27%	22%	35%	37%	4%	29%	69%	59%	58
Turkana	48%	61%	57%	75%	3%	61%	7%	25%	61%	8%	69%	87%	87%	61
Uasin gishu	23%	87%	54%	56%	19%	34%	22%	52%	57%	19%	58%	87%	86%	62
Vihiga	20%	83%	41%	69%	38%	32%	43%	43%	74%	19%	41%	83%	83%	45
Wajir	18%	45%	23%	69%	11%	33%	24%	36%	47%	20%	46%	83%	90%	54
West pokot	6%	73%	16%	66%	1%	20%	29%	56%	66%	6%	59%	88%	91%	56
Facility type														
Secondary & tertiary hospitals	50%	90%	70%	95%	90%	95%	45%	100%	95%	65%	90%	100%	100%	20
Public primary hospitals	61%	94%	76%	96%	54%	80%	29%	88%	91%	61%	73%	92%	93%	307
Private/ngo/fbo primary hospitals	12%	53%	31%	81%	75%	83%	46%	98%	87%	57%	76%	93%	91%	84
Health centres	41%	76%	58%	85%	26%	55%	33%	65%	81%	31%	59%	88%	89%	465
Dispensaries	34%	77%	53%	57%	4%	29%	17%	34%	59%	10%	55%	86%	87%	1261
Medical clinics	23%	57%	50%	32%	14%	12%	33%	41%	31%	3%	58%	72%	67%	790
Managing authority														
Government	40%	86%	61%	66%	8%	39%	15%	40%	67%	18%	53%	87%	87%	1658
Ngo / fbo	21%	41%	29%	55%	20%	31%	38%	50%	53%	16%	68%	84%	86%	323
Private	24%	59%	51%	43%	23%	21%	36%	50%	41%	9%	61%	75%	71%	946
Urban/rural														
Urban	31%	59%	48%	45%	26%	28%	33%	52%	47%	14%	60%	74%	73%	873
Rural	32%	76%	55%	61%	10%	33%	23%	42%	59%	15%	57%	86%	85%	2054
Total	**32%**	**70%**	**53%**	**55%**	**15%**	**31%**	**26%**	**45%**	**55%**	**14%**	**58%**	**82%**	**81%**	**2927**

Annex Table 17: Percentage of facilities offering key family planning services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Offers family planning services	Combined oral contraceptives	Progestin-only contraceptives	Combined injectable contraceptives	Progestin-only injectable contraceptives	Male condoms	Female condoms	IUCD	Implant	Cycle beads for standard days method	Emergency contraceptive pills	Male sterilization	Female sterilization	Total number of facilities
Baringo	93%	88%	80%	28%	87%	88%	24%	87%	78%	73%	38%	3%	6%	63
Bomet	87%	74%	44%	64%	47%	85%	3%	74%	54%	39%	21%	0%	1%	56
Bungoma	97%	90%	84%	40%	86%	89%	38%	93%	79%	70%	48%	6%	17%	67
Busia	81%	67%	64%	47%	60%	77%	34%	74%	52%	66%	32%	12%	19%	56
Elgeyo-marakwet	93%	88%	79%	6%	83%	77%	6%	90%	80%	32%	33%	1%	2%	53
Embu	93%	91%	75%	10%	89%	81%	48%	67%	66%	64%	8%	4%	5%	63
Garissa	65%	59%	53%	54%	21%	50%	14%	50%	20%	39%	37%	0%	0%	59
Homa bay	87%	84%	71%	74%	65%	85%	29%	84%	58%	70%	20%	1%	10%	74
Isiolo	84%	78%	66%	42%	73%	76%	14%	70%	68%	67%	36%	0%	2%	36
Kajiado	85%	70%	72%	22%	58%	80%	36%	82%	53%	53%	20%	0%	4%	67
Kakamega	92%	84%	73%	40%	74%	84%	55%	85%	67%	80%	42%	11%	14%	73
Kericho	84%	52%	47%	33%	63%	80%	16%	72%	46%	54%	31%	6%	10%	63
Kiambu	84%	80%	79%	38%	64%	72%	17%	74%	59%	65%	18%	9%	14%	86
Kilifi	82%	75%	70%	48%	75%	80%	44%	73%	64%	66%	36%	3%	2%	69
Kirinyaga	74%	67%	53%	14%	71%	57%	30%	64%	50%	60%	32%	0%	1%	63
Kisii	93%	84%	86%	40%	83%	90%	21%	85%	79%	70%	13%	4%	8%	75
Kisumu	83%	78%	69%	59%	75%	80%	49%	78%	62%	67%	44%	5%	4%	73
Kitui	93%	84%	78%	40%	83%	89%	42%	92%	64%	67%	12%	0%	5%	75
Kwale	90%	76%	55%	34%	61%	84%	37%	80%	44%	61%	21%	1%	5%	54
Laikipia	86%	80%	75%	11%	72%	73%	46%	77%	56%	73%	40%	4%	13%	58
Lamu	88%	82%	69%	27%	88%	75%	6%	75%	62%	57%	30%	0%	0%	34
Machakos	86%	79%	74%	50%	76%	80%	29%	76%	56%	42%	17%	4%	11%	71
Makueni	94%	81%	64%	11%	84%	89%	27%	83%	63%	69%	19%	0%	4%	73
Mandera	84%	80%	30%	13%	70%	60%	0%	39%	57%	6%	13%	0%	0%	54
Marsabit	75%	69%	32%	29%	69%	73%	17%	56%	54%	32%	23%	0%	1%	48
Meru	70%	60%	51%	21%	61%	61%	28%	53%	51%	31%	21%	8%	7%	83
Migori	89%	72%	74%	28%	77%	87%	40%	87%	34%	83%	24%	2%	2%	69
Mombasa	79%	62%	52%	30%	61%	60%	35%	57%	42%	50%	46%	3%	7%	70
Murang'a	98%	95%	81%	6%	98%	94%	54%	92%	72%	87%	53%	14%	15%	67
Nairobi	69%	66%	65%	5%	67%	67%	41%	63%	54%	60%	33%	13%	14%	89
Nakuru	86%	84%	69%	36%	71%	86%	48%	82%	62%	66%	40%	9%	13%	87
Nandi	89%	83%	69%	22%	84%	82%	47%	85%	64%	63%	52%	2%	3%	62
Narok	95%	89%	64%	66%	37%	86%	41%	91%	66%	43%	41%	2%	2%	59
Nyamira	98%	96%	89%	20%	85%	98%	71%	94%	87%	72%	7%	0%	2%	61
Nyandarua	89%	86%	77%	29%	86%	80%	10%	71%	73%	68%	16%	0%	1%	57
Nyeri	78%	73%	67%	26%	70%	70%	21%	58%	62%	51%	19%	2%	2%	72
Samburu	87%	86%	83%	86%	55%	86%	59%	86%	73%	81%	58%	6%	6%	41

County	Offers family planning services	Combined oral contraceptives	Progestin-only contraceptives	Combined injectable contraceptives	Progestin-only injectable contraceptives	Male condoms	Female condoms	IUCD	Implant	Cycle beads for standard days method	Emergency contraceptive pills	Male sterilization	Female sterilization	Total number of facilities
Siaya	87%	82%	62%	44%	53%	84%	34%	81%	50%	59%	29%	3%	8%	69
Taita taveta	91%	89%	72%	73%	42%	85%	41%	73%	80%	74%	49%	2%	4%	49
Tana river	81%	63%	67%	60%	73%	78%	19%	75%	51%	53%	26%	3%	0%	38
Tharaka-nithi	94%	31%	72%	8%	86%	72%	40%	66%	54%	39%	5%	3%	3%	55
Trans nzoia	87%	59%	61%	22%	55%	75%	26%	77%	37%	49%	13%	5%	12%	58
Turkana	83%	78%	71%	77%	71%	80%	55%	71%	67%	51%	59%	4%	4%	61
Uasin gishu	90%	87%	82%	42%	78%	90%	27%	90%	62%	54%	39%	11%	11%	62
Vihiga	98%	84%	82%	30%	85%	86%	23%	97%	44%	82%	32%	6%	15%	45
Wajir	80%	67%	57%	45%	70%	68%	24%	65%	38%	42%	49%	0%	0%	54
West pokot	90%	52%	37%	57%	44%	69%	1%	81%	6%	16%	13%	1%	1%	56
Facility type														
Secondary & tertiary hospitals	95%	85%	80%	35%	80%	85%	55%	90%	55%	85%	70%	55%	65%	20
Public primary hospitals	99%	93%	90%	37%	85%	98%	59%	96%	72%	93%	66%	17%	38%	307
Private/ngo/fbo primary hospitals	67%	60%	53%	22%	58%	57%	14%	62%	36%	58%	33%	30%	45%	84
Health centres	90%	84%	74%	40%	73%	84%	41%	84%	66%	73%	36%	9%	13%	465
Dispensaries	89%	80%	71%	38%	73%	86%	35%	82%	59%	58%	31%	2%	3%	1261
Medical clinics	77%	67%	59%	25%	65%	65%	27%	62%	55%	49%	20%	3%	4%	790
Managing authority														
Government	97%	89%	79%	42%	79%	94%	42%	91%	67%	69%	37%	3%	6%	1658
Ngo / fbo	56%	47%	41%	23%	44%	49%	22%	45%	32%	31%	20%	5%	5%	323
Private	79%	70%	62%	27%	68%	68%	27%	66%	56%	55%	22%	7%	10%	946
Urban/rural														
Urban	73%	65%	60%	25%	64%	64%	33%	63%	51%	56%	28%	9%	14%	873
Rural	91%	82%	71%	38%	74%	85%	33%	81%	62%	60%	30%	3%	4%	2054
Total	**85%**	**76%**	**68%**	**34%**	**70%**	**78%**	**33%**	**75%**	**58%**	**59%**	**29%**	**5%**	**7%**	**2927**

Annex Table 18: Availability of tracer items for family planning at facilities offering the service by county, facility type, managing authority, and urban vs. rural location (N=2556), Kenya 2018

County	Blood pressure apparatus	Combined estrogen progesterone oral contraceptive pills	Progestin-only contraceptive pills	Injectable contraceptives	Condoms	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Baringo	91%	82%	80%	86%	87%	63%	85%	59
Bomet	89%	77%	48%	89%	96%	30%	80%	50
Bungoma	93%	74%	72%	80%	70%	56%	78%	65
Busia	95%	57%	63%	65%	86%	31%	73%	45
Elgeyo-marakwet	94%	81%	61%	72%	81%	41%	78%	50
Embu	94%	99%	69%	91%	87%	55%	88%	59
Garissa	97%	89%	86%	92%	83%	72%	89%	40
Homa bay	84%	89%	81%	90%	93%	64%	87%	66
Isiolo	94%	97%	84%	97%	91%	78%	93%	30
Kajiado	98%	72%	78%	85%	89%	59%	84%	57
Kakamega	92%	84%	70%	93%	88%	58%	85%	68
Kericho	94%	22%	24%	52%	85%	12%	55%	54
Kiambu	100%	76%	69%	85%	77%	50%	82%	74
Kilifi	100%	94%	91%	97%	95%	86%	95%	57
Kirinyaga	100%	78%	60%	85%	68%	44%	78%	47
Kisii	94%	86%	80%	83%	95%	65%	88%	71
Kisumu	99%	89%	83%	89%	91%	79%	91%	62
Kitui	95%	92%	83%	97%	91%	75%	91%	71
Kwale	98%	87%	54%	83%	91%	44%	83%	49
Laikipia	98%	91%	89%	87%	87%	81%	90%	50
Lamu	100%	86%	69%	100%	90%	62%	89%	30
Machakos	89%	90%	81%	86%	89%	65%	87%	62
Makueni	90%	78%	65%	90%	88%	46%	82%	69
Mandera	94%	93%	47%	79%	69%	31%	76%	46
Marsabit	100%	91%	44%	100%	97%	44%	86%	37
Meru	92%	66%	66%	81%	77%	50%	77%	60
Migori	93%	85%	77%	84%	90%	64%	86%	62
Mombasa	100%	72%	59%	73%	69%	48%	75%	56
Murang'a	98%	92%	75%	93%	80%	63%	88%	66
Nairobi	96%	86%	83%	90%	90%	73%	89%	66
Nakuru	98%	88%	78%	87%	93%	69%	89%	77
Nandi	85%	77%	60%	79%	81%	37%	76%	56
Narok	93%	73%	49%	85%	83%	42%	77%	56
Nyamira	96%	82%	67%	75%	95%	57%	83%	60
Nyandarua	98%	93%	82%	95%	86%	74%	91%	51

County	Blood pressure apparatus	Combined estrogen progesterone oral contraceptive pills	Progestin-only contraceptive pills	Injectable contraceptives	Condoms	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Nyeri	100%	82%	79%	90%	88%	67%	88%	57
Samburu	100%	98%	96%	98%	98%	96%	98%	36
Siaya	96%	89%	57%	82%	93%	49%	83%	61
Taita taveta	87%	88%	67%	98%	93%	52%	87%	45
Tana river	80%	56%	36%	56%	90%	16%	64%	31
Tharaka-nithi	94%	20%	72%	94%	76%	12%	71%	52
Trans nzoia	93%	55%	61%	56%	80%	22%	69%	51
Turkana	90%	75%	66%	77%	75%	62%	77%	51
Uasin gishu	98%	91%	91%	94%	92%	77%	93%	56
Vihiga	85%	76%	59%	73%	76%	38%	74%	44
Wajir	91%	59%	52%	66%	64%	42%	67%	44
West pokot	82%	60%	41%	74%	73%	23%	66%	50
Facility type								
Secondary & tertiary hospitals	95%	89%	79%	84%	89%	68%	87%	19
Public primary hospitals	94%	90%	87%	94%	98%	76%	93%	303
Private/ngo/fbo primary hospitals	95%	67%	56%	75%	68%	42%	72%	61
Health centres	96%	82%	72%	83%	86%	61%	84%	420
Dispensaries	92%	81%	71%	85%	91%	56%	84%	1149
Medical clinics	97%	77%	68%	86%	77%	55%	81%	604
Managing authority								
Government	92%	83%	74%	87%	92%	59%	86%	1618
Ngo / fbo	93%	70%	64%	77%	78%	50%	77%	192
Private	98%	78%	67%	84%	77%	54%	81%	746
Urban/rural								
Urban	97%	78%	73%	86%	82%	59%	83%	675
Rural	94%	81%	70%	85%	87%	56%	83%	1881
Total	**94%**	**80%**	**71%**	**85%**	**85%**	**57%**	**83%**	**2556**

Annex Table 19: Percentage of facilities offering key antenatal care services by county, type of facility, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Offers antenatal care	Iron supplementation	Folic acid supplementation	IPTP	Tetanus toxoid vaccination	Monitoring for hypertensive disorder of pregnancy	Total number of facilities
Baringo	92%	92%	88%	10%	80%	85%	63
Bomet	84%	78%	80%	19%	78%	82%	56
Bungoma	85%	78%	77%	84%	80%	85%	67
Busia	82%	82%	80%	75%	70%	82%	56
Elgeyo-marakwet	92%	92%	88%	8%	84%	92%	53
Embu	76%	71%	73%	5%	47%	68%	63
Garissa	61%	61%	61%	8%	11%	61%	59
Homa bay	91%	91%	90%	91%	80%	91%	74
Isiolo	92%	92%	92%	6%	67%	92%	36
Kajiado	83%	74%	67%	17%	48%	80%	67
Kakamega	84%	84%	81%	73%	67%	80%	73
Kericho	91%	85%	80%	7%	78%	89%	63
Kiambu	82%	81%	81%	12%	12%	80%	86
Kilifi	70%	69%	69%	70%	60%	67%	69
Kirinyaga	62%	60%	59%	7%	41%	59%	63
Kisii	88%	85%	85%	11%	79%	87%	75
Kisumu	84%	84%	77%	82%	74%	81%	73
Kitui	86%	84%	83%	22%	78%	79%	75
Kwale	88%	86%	86%	80%	75%	86%	54
Laikipia	80%	78%	78%	0%	0%	78%	58
Lamu	84%	81%	78%	84%	75%	69%	34
Machakos	83%	77%	78%	20%	60%	80%	71
Makueni	89%	87%	89%	11%	80%	89%	73
Mandera	80%	78%	70%	6%	14%	78%	54
Marsabit	89%	87%	87%	18%	10%	87%	48
Meru	59%	55%	53%	3%	39%	57%	83
Migori	87%	87%	81%	84%	75%	87%	69
Mombasa	69%	69%	69%	61%	40%	66%	70
Murang'a	89%	87%	85%	2%	60%	81%	67
Nairobi	83%	82%	82%	2%	0%	81%	89
Nakuru	82%	81%	81%	15%	0%	81%	87
Nandi	80%	80%	79%	8%	77%	80%	62
Narok	93%	90%	84%	25%	85%	93%	59
Nyamira	100%	96%	96%	3%	94%	100%	61

County	Offers antenatal care	Iron supplementation	Folic acid supplementation	IPTP	Tetanus toxoid vaccination	Monitoring for hypertensive disorder of pregnancy	Total number of facilities
Nyandarua	67%	67%	54%	4%	0%	63%	57
Nyeri	64%	58%	56%	4%	2%	59%	72
Samburu	82%	82%	82%	13%	5%	80%	41
Siaya	83%	83%	80%	82%	75%	83%	69
Taita taveta	93%	91%	87%	93%	74%	93%	49
Tana river	86%	86%	86%	81%	61%	83%	38
Tharaka-nithi	85%	85%	83%	11%	55%	74%	55
Trans nzoia	84%	72%	68%	13%	59%	82%	58
Turkana	82%	82%	77%	16%	15%	77%	61
Uasin gishu	88%	84%	83%	18%	71%	83%	62
Vihiga	95%	95%	90%	95%	89%	95%	45
Wajir	78%	78%	73%	17%	2%	65%	54
West pokot	85%	80%	57%	29%	71%	85%	56
Facility type							
Secondary & tertiary hospitals	95%	95%	95%	30%	45%	95%	20
Public primary hospitals	99%	97%	94%	36%	79%	98%	307
Private/ngo/fbo primary hospitals	92%	88%	91%	33%	47%	92%	84
Health centres	96%	94%	91%	35%	56%	94%	465
Dispensaries	93%	92%	88%	33%	69%	90%	1261
Medical clinics	56%	52%	52%	16%	12%	53%	790
Managing authority							
Government	96%	94%	90%	35%	73%	93%	1658
Ngo / fbo	86%	84%	82%	30%	48%	83%	323
Private	63%	59%	59%	19%	17%	60%	946
Urban/rural							
Urban	68%	66%	65%	21%	21%	66%	873
Rural	88%	86%	83%	32%	61%	85%	2054
Total	**81%**	**79%**	**77%**	**28%**	**48%**	**79%**	**2927**

Annex Table 20: Availability of tracer items for antenatal care at facilities offering the service by county, facility type, managing authority, and urban vs. rural location (N=2541), Kenya 2018

County	Blood pressure apparatus	Haemoglobin test	Urine dipstick protein test	Iron tablets	Folic acid tablets	Tetanus toxoid vaccine	IPT drug	ITNs	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Baringo	91%	13%	22%	96%	96%	92%	6%	85%	2%	59%	58
Bomet	91%	9%	36%	96%	98%	96%	0%	98%	0%	61%	49
Bungoma	92%	36%	60%	71%	73%	100%	67%	93%	11%	70%	57
Busia	93%	19%	54%	100%	100%	100%	89%	90%	5%	78%	45
Elgeyo-marakwet	96%	27%	32%	75%	79%	96%	2%	86%	2%	57%	49
Embu	91%	52%	19%	93%	96%	100%	10%	66%	2%	61%	49
Garissa	97%	57%	52%	85%	85%	100%	3%	28%	3%	58%	38
Homa bay	83%	20%	24%	86%	91%	98%	85%	86%	10%	68%	69
Isiolo	94%	26%	52%	100%	100%	100%	7%	72%	0%	65%	33
Kajiado	98%	35%	48%	77%	77%	96%	16%	59%	3%	58%	56
Kakamega	91%	21%	37%	87%	94%	100%	76%	80%	10%	69%	63
Kericho	96%	34%	47%	83%	83%	100%	2%	86%	0%	62%	58
Kiambu	100%	49%	65%	83%	86%	94%	12%	17%	0%	59%	72
Kilifi	100%	35%	44%	92%	90%	97%	69%	85%	15%	73%	49
Kirinyaga	100%	30%	59%	84%	86%	100%	3%	61%	0%	60%	39
Kisii	95%	28%	44%	83%	83%	100%	5%	88%	2%	61%	67
Kisumu	99%	36%	45%	92%	92%	98%	76%	94%	22%	76%	62
Kitui	93%	20%	27%	90%	94%	98%	7%	88%	0%	60%	66
Kwale	98%	47%	42%	96%	96%	96%	91%	89%	34%	80%	48
Laikipia	98%	23%	31%	95%	95%	100%	2%	2%	0%	50%	47
Lamu	100%	15%	42%	78%	85%	100%	87%	89%	6%	71%	29
Machakos	89%	26%	40%	86%	84%	100%	9%	75%	2%	58%	59
Makueni	89%	22%	49%	96%	91%	100%	2%	90%	2%	63%	66
Mandera	94%	29%	40%	90%	93%	93%	9%	19%	1%	53%	44
Marsabit	100%	16%	9%	100%	100%	95%	1%	16%	0%	49%	43
Meru	93%	36%	47%	75%	77%	96%	6%	63%	2%	57%	54
Migori	93%	18%	37%	88%	90%	97%	89%	86%	7%	71%	61
Mombasa	100%	45%	80%	87%	87%	100%	64%	60%	25%	75%	50
Murang'a	100%	25%	55%	95%	95%	100%	8%	69%	0%	64%	60
Nairobi	98%	61%	77%	82%	89%	95%	1%	0%	0%	58%	76
Nakuru	98%	50%	65%	77%	77%	95%	11%	4%	3%	54%	74
Nandi	84%	18%	31%	92%	96%	100%	3%	95%	3%	60%	52
Narok	96%	9%	38%	91%	91%	100%	1%	91%	1%	59%	55
Nyamira	96%	16%	31%	78%	89%	100%	8%	92%	2%	58%	61
Nyandarua	97%	27%	53%	95%	95%	100%	3%	0%	0%	53%	39

County	Blood pressure apparatus	Haemoglobin test	Urine dipstick protein test	Iron tablets	Folic acid tablets	Tetanus toxoid vaccine	IPT drug	ITNs	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Nyeri	98%	35%	42%	90%	88%	96%	16%	2%	0%	53%	47
Samburu	100%	14%	25%	78%	78%	100%	8%	2%	0%	44%	34
Siaya	96%	26%	29%	63%	72%	100%	71%	90%	1%	64%	59
Taita taveta	90%	27%	52%	98%	98%	100%	93%	81%	19%	77%	46
Tana river	81%	7%	16%	64%	64%	94%	84%	92%	3%	58%	33
Tharaka-nithi	93%	17%	36%	93%	96%	100%	7%	64%	0%	58%	47
Trans nzoia	93%	24%	55%	77%	73%	96%	4%	62%	0%	55%	50
Turkana	92%	8%	13%	89%	92%	95%	7%	14%	1%	45%	50
Uasin gishu	98%	21%	47%	92%	94%	95%	8%	78%	2%	63%	55
Vihiga	85%	20%	19%	89%	92%	91%	80%	86%	7%	67%	43
Wajir	91%	19%	18%	81%	81%	87%	3%	1%	0%	42%	43
West pokot	83%	14%	23%	78%	73%	100%	4%	87%	2%	52%	47
Facility type											
Secondary & tertiary hospitals	95%	95%	89%	95%	100%	89%	21%	42%	16%	77%	19
Public primary hospitals	94%	73%	73%	95%	96%	99%	31%	81%	16%	78%	303
Private/ngo/fbo primary hospitals	96%	89%	85%	92%	92%	87%	28%	57%	15%	77%	77
Health centres	96%	45%	63%	86%	90%	99%	29%	61%	7%	67%	445
Dispensaries	93%	15%	27%	88%	88%	98%	23%	73%	2%	58%	1190
Medical clinics	97%	37%	58%	79%	82%		25%	22%	3%	57%	417
Managing authority											
Government	92%	19%	30%	88%	90%	98%	23%	75%	3%	60%	1602
Ngo / fbo	97%	46%	64%	86%	86%	96%	26%	56%	5%	66%	280
Private	98%	46%	65%	82%	84%		27%	29%	6%	62%	569
Urban/rural											
Urban	97%	55%	67%	84%	86%	95%	25%	33%	7%	64%	604
Rural	94%	21%	36%	87%	88%		25%	69%	3%	60%	1847
Total	**95%**	**31%**	**45%**	**86%**	**88%**	**97%**	**25%**	**59%**	**4%**	**61%**	**2451**

Annex Table 21: Percentage of facilities offering delivery services (N=2927) and of those offering delivery services, percentage of facilities offering basic emergency obstetric and newborn care (BEmONC) signal functions by county, facility type, managing authority, and urban vs. rural location (N=1683), Kenya 2018

County	Offers delivery services	Total number of facilities	Parenteral administration of antibiotics	Parenteral administration of oxytocic drugs	Parenteral administration of anti-convulsants	Assisted vaginal delivery	Manual removal of placenta	Manual removal of retained products	Neonatal resuscitation	Mean availability of BEmONC signal functions	All seven BEmONC signal functions	Total number of facilities
Baringo	47%	63	78%	100%	60%	35%	49%	34%	59%	17%	78%	31
Bomet	33%	56	79%	84%	37%	36%	79%	56%	66%	10%	79%	20
Bungoma	70%	67	100%	100%	85%	59%	95%	63%	84%	38%	100%	48
Busia	76%	56	87%	88%	58%	24%	38%	36%	56%	6%	87%	42
Elgeyo-marakwet	35%	53	76%	83%	32%	5%	71%	43%	56%	2%	76%	20
Embu	13%	63	72%	86%	67%	20%	72%	37%	65%	20%	72%	12
Garissa	54%	59	97%	93%	70%	31%	56%	43%	64%	24%	97%	34
Homa bay	80%	74	89%	96%	21%	9%	78%	19%	55%	0%	89%	62
Isiolo	70%	36	88%	96%	88%	26%	88%	42%	75%	22%	88%	25
Kajiado	58%	67	81%	78%	37%	18%	64%	18%	53%	4%	81%	40
Kakamega	71%	73	83%	82%	47%	19%	63%	48%	57%	8%	83%	55
Kericho	40%	63	56%	74%	43%	16%	51%	64%	52%	13%	56%	28
Kiambu	22%	86	62%	82%	58%	28%	66%	69%	63%	22%	62%	25
Kilifi	67%	69	67%	74%	47%	24%	59%	42%	53%	13%	67%	47
Kirinyaga	30%	63	72%	83%	78%	2%	76%	31%	61%	2%	72%	20
Kisii	85%	75	88%	83%	55%	26%	57%	62%	62%	21%	88%	65
Kisumu	66%	73	90%	95%	67%	31%	62%	37%	64%	11%	90%	51
Kitui	56%	75	75%	68%	55%	23%	44%	38%	52%	8%	75%	48
Kwale	80%	54	88%	100%	68%	24%	64%	43%	68%	14%	88%	44
Laikipia	53%	58	38%	38%	19%	8%	28%	28%	30%	3%	38%	33
Lamu	63%	34	76%	85%	47%	10%	81%	41%	59%	3%	76%	22
Machakos	51%	71	75%	90%	31%	7%	53%	32%	50%	3%	75%	37
Makueni	77%	73	65%	88%	47%	11%	65%	32%	51%	5%	65%	58
Mandera	84%	54	95%	100%	74%	16%	64%	33%	64%	6%	95%	46
Marsabit	85%	48	95%	98%	62%	13%	63%	23%	60%	8%	95%	41
Meru	20%	83	84%	100%	48%	28%	81%	44%	66%	23%	84%	27
Migori	81%	69	82%	80%	33%	18%	41%	34%	50%	8%	82%	57
Mombasa	37%	70	87%	92%	63%	18%	67%	39%	62%	5%	87%	28
Murang'a	16%	67	98%	100%	68%	4%	100%	68%	77%	4%	98%	15
Nairobi	37%	89	92%	93%	67%	16%	90%	76%	75%	14%	92%	38
Nakuru	36%	87	90%	98%	85%	35%	90%	53%	77%	19%	90%	41
Nandi	19%	62	91%	91%	63%	32%	73%	63%	71%	32%	91%	16

County	Offers delivery services	Total number of facilities	Parenteral administration of antibiotics	Parenteral administration of oxytocic drugs	Parenteral administration of anti-convulsants	Assisted vaginal delivery	Manual removal of placenta	Manual removal of retained products	Neonatal resuscitation	Mean availability of BEmONC signal functions	All seven BEmONC signal functions	Total number of facilities
Narok	86%	59	73%	82%	55%	12%	42%	19%	48%	4%	73%	51
Nyamira	95%	61	84%	81%	29%	6%	65%	12%	48%	2%	84%	58
Nyandarua	32%	57	77%	83%	61%	9%	77%	40%	60%	9%	77%	20
Nyeri	17%	72	74%	100%	65%	23%	74%	12%	59%	2%	74%	15
Samburu	77%	41	100%	100%	80%	51%	84%	48%	80%	38%	100%	32
Siaya	78%	69	78%	89%	41%	16%	59%	52%	58%	7%	78%	56
Taita taveta	65%	49	80%	93%	47%	17%	72%	24%	59%	0%	80%	33
Tana river	56%	38	81%	90%	85%	49%	95%	56%	77%	34%	81%	22
Tharaka-nithi	22%	55	57%	65%	39%	24%	48%	27%	49%	12%	57%	14
Trans nzoia	43%	58	87%	83%	31%	16%	46%	38%	51%	11%	87%	28
Turkana	56%	61	82%	85%	78%	46%	97%	85%	77%	34%	82%	35
Uasin gishu	39%	62	91%	87%	69%	47%	92%	61%	74%	38%	91%	26
Vihiga	77%	45	53%	73%	14%	15%	62%	41%	46%	3%	53%	35
Wajir	73%	54	89%	89%	71%	45%	86%	29%	68%	8%	89%	41
West pokot	74%	56	71%	82%	44%	10%	23%	8%	43%	1%	71%	41
Facility type												
Secondary & tertiary hospitals	90%	20	100%	100%	100%	78%	100%	100%	97%	78%	100%	18
Public primary hospitals	98%	307	98%	100%	91%	43%	94%	72%	85%	33%	98%	300
Private/ngo/fbo primary hospitals	93%	84	97%	95%	85%	37%	89%	83%	83%	28%	97%	79
Health centres	89%	465	87%	92%	60%	26%	75%	46%	67%	14%	87%	417
Dispensaries	52%	1261	73%	82%	43%	16%	54%	28%	51%	6%	73%	710
Medical clinics	18%	790	77%	80%	41%	13%	61%	45%	53%	7%	77%	159
Managing authority												
Government	65%	1658	78%	87%	53%	23%	62%	35%	58%	11%	78%	1201
Ngo / fbo	46%	323	84%	88%	59%	22%	72%	43%	64%	12%	84%	164
Private	32%	946	86%	87%	54%	20%	72%	58%	64%	13%	86%	318
Urban/rural												
Urban	37%	873	89%	92%	66%	27%	78%	61%	71%	18%	89%	393
Rural	56%	2054	78%	85%	50%	20%	62%	35%	56%	10%	78%	1290
Total	**50%**	**2927**	**81%**	**87%**	**54%**	**22%**	**66%**	**42%**	**60%**	**12%**	**81%**	**1683**

Annex Table 22: Percentage of facilities offering delivery services which offer essential newborn services by county, facility type, managing authority, and urban vs. rural location (N=1683), Kenya 2018

County	Immediate and exclusive breastfeeding	Hygienic cord care	Thermal protection	KMC for premature/ very small babies	Mean availability of selected essential newborn care services	Total number of facilities
Baringo	99%	95%	100%	43%	84%	31
Bomet	100%	100%	81%	26%	77%	20
Bungoma	99%	93%	98%	46%	84%	48
Busia	100%	91%	90%	40%	80%	42
Elgeyo-marakwet	100%	100%	100%	49%	87%	20
Embu	100%	86%	100%	51%	84%	12
Garissa	100%	92%	100%	54%	86%	34
Homa bay	100%	96%	96%	56%	87%	62
Isiolo	96%	96%	96%	88%	94%	25
Kajiado	100%	83%	97%	47%	82%	40
Kakamega	100%	93%	98%	54%	86%	55
Kericho	96%	92%	67%	36%	73%	28
Kiambu	100%	100%	100%	61%	90%	25
Kilifi	91%	91%	89%	56%	82%	47
Kirinyaga	100%	78%	95%	56%	82%	20
Kisii	100%	88%	89%	34%	78%	65
Kisumu	99%	97%	97%	90%	96%	51
Kitui	91%	88%	90%	42%	78%	48
Kwale	98%	93%	100%	57%	87%	44
Laikipia	100%	100%	96%	44%	85%	33
Lamu	95%	61%	95%	34%	71%	22
Machakos	100%	100%	94%	33%	82%	37
Makueni	100%	96%	100%	24%	80%	58
Mandera	95%	100%	100%	26%	80%	46
Marsabit	100%	100%	100%	53%	88%	41
Meru	100%	84%	92%	41%	79%	27
Migori	98%	84%	98%	48%	82%	57
Mombasa	96%	78%	88%	31%	73%	28
Murang'a	85%	80%	100%	52%	79%	15
Nairobi	96%	89%	90%	69%	86%	38
Nakuru	100%	100%	100%	65%	91%	41
Nandi	100%	96%	100%	17%	78%	16
Narok	98%	96%	92%	58%	86%	51
Nyamira	98%	100%	100%	11%	77%	58
Nyandarua	94%	100%	100%	27%	80%	20

County	Immediate and exclusive breastfeeding	Hygienic cord care	Thermal protection	KMC for premature/ very small babies	Mean availability of selected essential newborn care services	Total number of facilities
Nyeri	100%	91%	100%	33%	81%	15
Samburu	100%	100%	100%	77%	94%	32
Siaya	96%	84%	95%	40%	79%	56
Taita taveta	93%	97%	100%	31%	80%	33
Tana river	100%	95%	76%	68%	85%	22
Tharaka-nithi	100%	92%	100%	73%	91%	14
Trans nzoia	96%	82%	100%	19%	74%	28
Turkana	97%	78%	97%	53%	81%	35
Uasin gishu	100%	96%	96%	74%	91%	26
Vihiga	91%	100%	100%	41%	83%	35
Wajir	89%	75%	81%	27%	68%	41
West pokot	100%	81%	100%	31%	78%	41
Facility type						
Secondary & tertiary hospitals	100%	89%	100%	94%	96%	18
Public primary hospitals	97%	94%	99%	72%	90%	300
Private/ngo/fbo primary hospitals	98%	96%	100%	74%	92%	79
Health centres	99%	93%	97%	54%	86%	417
Dispensaries	97%	91%	94%	39%	80%	710
Medical clinics	96%	88%	90%	33%	77%	159
Managing authority						
Government	98%	92%	95%	45%	83%	1201
Ngo / fbo	96%	92%	97%	50%	84%	164
Private	98%	90%	94%	50%	83%	318
Urban/rural						
Urban	98%	92%	95%	56%	85%	393
Rural	98%	91%	95%	44%	82%	1290
Total	98%	92%	95%	47%	83%	1683

Annex Table 23: Percentage of facilities offering delivery services which offer postnatal services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Antibiotics for preterm or prolonged PROM	Corticosteroids in preterm labour	Injectable antibiotics for neonatal sepsis	Administration of oxytocin for the prevention of post-partum haemorrhage	Monitoring and management of labour using partograph	Total number of facilities
Baringo	89%	46%	53%	100%	93%	31
Bomet	72%	46%	58%	100%	68%	20
Bungoma	93%	57%	53%	100%	89%	48
Busia	78%	45%	45%	100%	93%	42
Elgeyo-marakwet	82%	51%	53%	100%	94%	20
Embu	76%	57%	100%	100%	90%	12
Garissa	87%	69%	66%	100%	86%	34
Homa bay	83%	48%	87%	100%	94%	62
Isiolo	84%	54%	80%	96%	88%	25
Kajiado	59%	24%	67%	100%	94%	40
Kakamega	91%	44%	53%	100%	93%	55
Kericho	52%	24%	54%	96%	66%	28
Kiambu	84%	78%	82%	100%	100%	25
Kilifi	87%	30%	61%	91%	89%	47
Kirinyaga	55%	31%	43%	100%	94%	20
Kisii	65%	60%	37%	100%	64%	65
Kisumu	87%	60%	69%	100%	100%	51
Kitui	52%	41%	69%	97%	82%	48
Kwale	63%	29%	93%	100%	95%	44
Laikipia	28%	25%	94%	100%	100%	33
Lamu	90%	47%	90%	95%	85%	22
Machakos	87%	50%	59%	100%	82%	37
Makueni	57%	29%	36%	100%	94%	58
Mandera	86%	65%	52%	100%	47%	46
Marsabit	63%	53%	43%	100%	97%	41
Meru	92%	46%	58%	100%	93%	27
Migori	81%	40%	45%	100%	90%	57
Mombasa	79%	51%	76%	100%	71%	28
Murang'a	58%	46%	56%	100%	90%	15
Nairobi	89%	80%	82%	96%	93%	38
Nakuru	82%	58%	84%	100%	90%	41
Nandi	82%	56%	52%	100%	77%	16
Narok	88%	58%	31%	100%	63%	51
Nyamira	45%	21%	35%	100%	67%	58
Nyandarua	83%	41%	55%	94%	83%	20

County	Antibiotics for preterm or prolonged PROM	Corticosteroids in preterm labour	Injectable antibiotics for neonatal sepsis	Administration of oxytocin for the prevention of post-partum haemorrhage	Monitoring and management of labour using partograph	Total number of facilities
Nyeri	74%	46%	72%	100%	100%	15
Samburu	100%	90%	97%	100%	100%	32
Siaya	70%	52%	65%	98%	85%	56
Taita taveta	83%	34%	67%	100%	100%	33
Tana river	85%	47%	37%	100%	86%	22
Tharaka-nithi	74%	45%	91%	100%	100%	14
Trans nzoia	74%	39%	66%	100%	56%	28
Turkana	91%	54%	65%	97%	66%	35
Uasin gishu	70%	35%	85%	100%	91%	26
Vihiga	68%	29%	44%	100%	82%	35
Wajir	86%	49%	53%	94%	68%	41
West pokot	59%	36%	41%	100%	70%	41
Facility type						
Secondary & tertiary hospitals	100%	100%	89%	100%	100%	18
Public primary hospitals	96%	83%	75%	100%	99%	300
Private/ngo/fbo primary hospitals	100%	97%	85%	100%	98%	79
Health centres	81%	55%	66%	100%	93%	417
Dispensaries	69%	31%	54%	98%	79%	710
Medical clinics	67%	48%	60%	97%	78%	159
Managing authority						
Government	73%	37%	58%	99%	84%	1201
Ngo / fbo	83%	62%	72%	98%	87%	164
Private	81%	66%	67%	99%	87%	318
Urban/rural						
Urban	87%	72%	75%	98%	89%	393
Rural	73%	40%	57%	99%	84%	1290
Total	**76%**	**48%**	**62%**	**99%**	**85%**	1683

Annex Table 24: Availability of tracer items for basic obstetric and newborn care at facilities offering the service by county, facility type, managing authority, and urban vs. rural location (N=1683), Kenya 2018

County	Sterilization equipment	Examination light	Delivery pack	Suction apparatus	Manual vacuum extractor	Vacuum aspirator or D&C kit	Neonatal bag and mask	Delivery bed	Partograph	Gloves	Infant weighting scale	Blood pressure apparatus	Soap and running water OR alcohol-based hand rub	Antibiotic eye ointment	Injectable uterotonic	Injectable antibiotic	Magnesium sulphate (injectable)	Skin disinfectant	Intravenous solution with infusion set	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Baringo	47%	52%	71%	47%	36%	33%	28%	74%	74%	89%	78%	69%	57%	89%	89%	53%	60%	78%	67%	0%	63%	31
Bomet	34%	66%	68%	63%	24%	48%	38%	100%	65%	100%	59%	56%	59%	95%	90%	82%	39%	79%	79%	0%	65%	20
Bungoma	56%	45%	68%	63%	51%	61%	30%	92%	83%	94%	54%	92%	75%	90%	73%	35%	54%	78%	85%	4%	67%	48
Busia	51%	19%	74%	56%	48%	54%	59%	87%	80%	92%	73%	55%	87%	100%	83%	74%	58%	81%	59%	0%	68%	42
Elgeyo-marakwet	88%	56%	89%	70%	24%	43%	67%	100%	83%	100%	63%	71%	72%	71%	56%	45%	43%	64%	33%	2%	65%	20
Embu	51%	65%	71%	90%	35%	35%	37%	100%	90%	100%	65%	86%	72%	100%	90%	90%	86%	86%	76%	0%	75%	12
Garissa	28%	51%	84%	47%	45%	57%	32%	93%	78%	93%	86%	89%	99%	90%	86%	59%	69%	82%	93%	0%	72%	34
Homa bay	27%	28%	85%	50%	12%	45%	32%	94%	79%	96%	31%	69%	68%	96%	88%	69%	30%	80%	66%	2%	60%	62
Isiolo	53%	58%	92%	54%	30%	55%	52%	91%	71%	96%	76%	91%	68%	100%	92%	53%	65%	87%	82%	0%	72%	25
Kajiado	52%	67%	73%	67%	16%	38%	54%	100%	67%	95%	75%	81%	57%	94%	78%	51%	42%	83%	83%	1%	67%	40
Kakamega	63%	38%	84%	58%	31%	34%	42%	84%	77%	89%	58%	69%	73%	87%	84%	69%	60%	87%	85%	2%	67%	55
Kericho	46%	47%	83%	53%	19%	19%	39%	83%	48%	92%	65%	83%	68%	90%	74%	51%	14%	83%	68%	1%	59%	28
Kiambu	83%	70%	89%	90%	36%	60%	47%	100%	95%	92%	87%	69%	87%	100%	87%	100%	77%	89%	90%	13%	81%	25
Kilifi	60%	61%	84%	64%	31%	33%	41%	91%	85%	89%	66%	82%	85%	96%	86%	89%	56%	96%	80%	4%	72%	47
Kirinyaga	68%	61%	78%	61%	11%	11%	37%	95%	72%	84%	83%	43%	38%	94%	94%	83%	54%	95%	100%	0%	66%	20
Kisii	83%	37%	70%	43%	23%	33%	26%	98%	60%	94%	48%	45%	58%	86%	89%	64%	31%	75%	77%	1%	60%	65
Kisumu	61%	58%	83%	76%	42%	55%	50%	97%	97%	100%	90%	89%	95%	92%	89%	91%	68%	87%	82%	6%	79%	51
Kitui	44%	55%	75%	53%	24%	47%	45%	82%	78%	95%	65%	79%	75%	97%	98%	100%	61%	90%	95%	2%	71%	48
Kwale	70%	62%	76%	72%	21%	46%	33%	84%	88%	100%	59%	74%	83%	90%	95%	93%	56%	83%	88%	0%	72%	44
Laikipia	74%	63%	86%	72%	11%	25%	39%	89%	92%	100%	82%	94%	93%	100%	90%	72%	57%	93%	89%	5%	75%	33
Lamu	32%	63%	100%	61%	27%	32%	17%	100%	71%	100%	71%	95%	83%	100%	83%	73%	51%	83%	85%	0%	70%	22
Machakos	51%	47%	84%	51%	14%	34%	57%	91%	62%	84%	88%	75%	73%	96%	97%	79%	34%	91%	87%	3%	68%	37

County	Sterilization equipment	Examination light	Delivery pack	Suction apparatus	Manual vacuum extractor	Vacuum aspirator or D&C kit	Neonatal bag and mask	Delivery bed	Partograph	Gloves	Infant weighting scale	Blood pressure apparatus	Soap and running water OR alcohol-based hand rub	Antibiotic eye ointment	Injectable uterotonic	Injectable antibiotic	Magnesium sulphate (injectable)	Skin disinfectant	Intravenous solution with infusion set	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Makueni	61%	32%	94%	24%	16%	23%	21%	100%	77%	96%	21%	63%	86%	100%	84%	60%	45%	92%	98%	0%	63%	58
Mandera	11%	36%	77%	53%	32%	61%	24%	100%	28%	100%	84%	86%	61%	74%	95%	65%	65%	93%	82%	1%	65%	46
Marsabit	12%	59%	87%	46%	36%	44%	40%	97%	82%	100%	71%	97%	100%	97%	97%	99%	85%	100%	92%	1%	76%	41
Meru	82%	65%	90%	65%	42%	37%	49%	100%	85%	100%	100%	77%	71%	93%	81%	70%	59%	76%	81%	25%	75%	27
Migori	53%	24%	71%	46%	42%	47%	39%	98%	85%	88%	65%	60%	68%	68%	96%	45%	62%	57%	70%	1%	62%	57
Mombasa	51%	71%	61%	51%	7%	41%	15%	76%	45%	79%	51%	61%	63%	80%	88%	92%	52%	62%	84%	1%	59%	28
Murang'a	100%	55%	90%	68%	29%	31%	78%	100%	90%	100%	100%	77%	100%	90%	100%	70%	80%	100%	90%	14%	81%	15
Nairobi	75%	64%	90%	82%	25%	55%	32%	93%	92%	92%	87%	89%	79%	96%	87%	90%	57%	96%	93%	1%	78%	38
Nakuru	72%	67%	77%	91%	34%	50%	54%	98%	87%	96%	63%	86%	94%	94%	94%	90%	71%	94%	96%	4%	79%	41
Nandi	29%	25%	74%	83%	27%	27%	44%	83%	49%	64%	63%	63%	82%	87%	97%	91%	78%	77%	82%	3%	64%	16
Narok	57%	37%	70%	58%	10%	28%	29%	94%	49%	79%	65%	89%	49%	98%	87%	97%	86%	82%	75%	0%	65%	51
Nyamira	40%	36%	85%	42%	10%	44%	7%	84%	58%	90%	64%	84%	55%	54%	81%	64%	28%	77%	75%	0%	57%	58
Nyandarua	89%	71%	96%	61%	11%	54%	60%	89%	77%	94%	89%	100%	100%	94%	94%	89%	59%	94%	89%	7%	80%	20
Nyeri	80%	40%	61%	82%	31%	26%	59%	91%	79%	100%	91%	49%	72%	89%	91%	77%	72%	91%	74%	0%	71%	15
Samburu	84%	74%	90%	94%	43%	54%	71%	87%	90%	97%	76%	100%	87%	100%	74%	87%	64%	97%	97%	15%	82%	32
Siaya	41%	50%	78%	58%	28%	56%	36%	98%	63%	86%	62%	63%	62%	76%	80%	62%	46%	61%	73%	1%	62%	56
Taita taveta	82%	44%	87%	67%	6%	26%	47%	80%	97%	100%	83%	80%	90%	97%	97%	92%	60%	97%	77%	0%	74%	33
Tana river	14%	47%	56%	44%	59%	71%	20%	100%	66%	95%	81%	90%	78%	95%	90%	49%	46%	76%	76%	0%	66%	22
Tharaka-nithi	65%	75%	72%	83%	36%	39%	51%	92%	80%	92%	92%	83%	80%	100%	83%	83%	45%	74%	83%	21%	74%	14
Trans nzoia	67%	34%	69%	43%	26%	26%	22%	69%	43%	90%	43%	79%	60%	67%	72%	78%	53%	53%	78%	0%	56%	28
Turkana	22%	27%	66%	32%	46%	59%	39%	57%	63%	85%	63%	84%	66%	85%	81%	63%	75%	75%	75%	2%	61%	35
Uasin gishu	56%	56%	90%	70%	38%	45%	52%	96%	91%	88%	83%	91%	86%	74%	87%	74%	74%	86%	74%	10%	74%	26
Vihiga	41%	28%	68%	47%	24%	37%	34%	91%	56%	73%	37%	51%	63%	97%	75%	72%	32%	87%	79%	0%	57%	35
Wajir	21%	49%	83%	33%	48%	63%	46%	93%	61%	92%	75%	89%	61%	54%	85%	28%	40%	58%	79%	0%	61%	41
West pokot	33%	9%	92%	13%	17%	19%	20%	88%	64%	95%	73%	74%	71%	73%	81%	74%	23%	77%	74%	0%	56%	41

County	Sterilization equipment	Examination light	Delivery pack	Suction apparatus	Manual vacuum extractor	Vacuum aspirator or D&C kit	Neonatal bag and mask	Delivery bed	Partograph	Gloves	Infant weighting scale	Blood pressure apparatus	Soap and running water OR alcohol-based hand rub	Antibiotic eye ointment	Injectable uterotonic	Injectable antibiotic	Magnesium sulphate (injectable)	Skin disinfectant	Intravenous solution with infusion set	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Facility type																						
Secondary & tertiary hospitals	94%	89%	89%	100%	78%	44%	72%	100%	100%	100%	100%	100%	94%	100%	100%	94%	100%	100%	100%	28%	92%	18
Public primary hospitals	82%	66%	89%	90%	52%	66%	68%	97%	95%	98%	84%	86%	84%	94%	97%	89%	81%	93%	92%	10%	84%	300
Private/ngo/ fbo primary hospitals	90%	79%	92%	95%	45%	60%	63%	100%	90%	97%	87%	80%	86%	100%	84%	96%	87%	93%	98%	14%	85%	79
Health centres	65%	60%	86%	72%	33%	50%	43%	97%	84%	95%	74%	75%	77%	90%	91%	79%	61%	86%	87%	2%	74%	417
Dispensaries	37%	31%	75%	42%	21%	31%	32%	87%	67%	91%	60%	75%	68%	86%	85%	61%	46%	80%	73%	1%	60%	710
Medical clinics	66%	59%	74%	49%	18%	46%	22%	83%	60%	82%	57%	76%	77%	90%	79%	86%	39%	77%	86%	4%	65%	159
Managing authority																						
Government	45%	41%	80%	53%	28%	39%	39%	91%	75%	93%	67%	76%	73%	86%	87%	64%	54%	83%	76%	2%	66%	1201
Ngo / fbo	69%	51%	77%	65%	27%	40%	45%	92%	73%	91%	70%	75%	74%	95%	88%	85%	61%	83%	89%	7%	71%	164
Private	72%	64%	81%	67%	26%	53%	34%	91%	73%	89%	67%	78%	77%	94%	85%	91%	52%	83%	92%	4%	72%	318
Urban/rural																						
Urban	71%	67%	84%	75%	31%	54%	43%	91%	80%	91%	77%	80%	79%	94%	86%	89%	62%	88%	90%	5%	75%	393
Rural	49%	42%	79%	52%	26%	39%	37%	91%	73%	93%	64%	75%	73%	87%	87%	68%	52%	81%	79%	2%	66%	1290
Total	**55%**	**48%**	**80%**	**58%**	**27%**	**42%**	**38%**	**91%**	**74%**	**92%**	**67%**	**76%**	**74%**	**89%**	**87%**	**73%**	**54%**	**83%**	**82%**	**3%**	**68%**	**1683**

Annex Table 25: Percentage of hospitals with delivery services offering caesarean section, blood transfusion and CEmOC services, by county, facility type, managing authority, and urban vs. rural location (N=397), Kenya 2018

County	Caesarean section	Blood transfusion	CEmOC*	Total number of facilities
Baringo	40%	60%	40%	5
Bomet	83%	83%	0%	4
Bungoma	64%	71%	14%	12
Busia	54%	54%	14%	9
Elgeyo-marakwet	33%	17%	17%	6
Embu	80%	80%	0%	5
Garissa	29%	48%	29%	8
Homa bay	58%	39%	0%	14
Isiolo	33%	33%	0%	3
Kajiado	93%	93%	15%	6
Kakamega	33%	58%	25%	12
Kericho	82%	82%	63%	10
Kiambu	96%	76%	29%	13
Kilifi	76%	76%	12%	6
Kirinyaga	90%	90%	10%	5
Kisii	50%	50%	12%	24
Kisumu	68%	79%	17%	20
Kitui	42%	42%	37%	14
Kwale	83%	83%	33%	5
Laikipia	78%	59%	11%	7
Lamu	100%	100%	33%	3
Machakos	50%	31%	6%	8
Makueni	64%	55%	27%	11
Mandera	50%	63%	38%	7
Marsabit	86%	43%	29%	5
Meru	40%	43%	33%	18
Migori	31%	51%	9%	15
Mombasa	95%	95%	9%	8
Murang'a	84%	84%	11%	9
Nairobi	97%	97%	32%	14
Nakuru	84%	88%	45%	13
Nandi	67%	67%	44%	8
Narok	80%	80%	10%	6
Nyamira	11%	11%	0%	9
Nyandarua	100%	100%	50%	3
Nyeri	92%	100%	8%	6
Samburu	67%	67%	67%	3
Siaya	45%	82%	31%	13
Taita taveta	71%	86%	0%	6
Tana river	67%	100%	67%	3

County	Caesarean section	Blood transfusion	CEmOC*	Total number of facilities
Tharaka-nithi	80%	80%	40%	6
Trans nzoia	29%	29%	14%	7
Turkana	80%	80%	60%	4
Uasin gishu	81%	88%	81%	7
Vihiga	17%	17%	17%	4
Wajir	33%	56%	22%	9
West pokot	50%	50%	25%	4
Facility type				
Secondary & tertiary hospitals	100%	100%	78%	5
Public primary hospitals	43%	53%	21%	300
Private/ngo/fbo primary hospitals	88%	82%	26%	79
Health centres	0%	0%	0%	0
Dispensaries	0%	0%	0%	0
Medical clinics	0%	0%	0%	0
Managing authority				
Government	46%	55%	23%	314
Ngo / fbo	95%	92%	33%	30
Private	85%	77%	23%	53
Urban/rural				
Urban	85%	86%	33%	181
Rural	49%	50%	15%	216
Total	68%	69%	25%	397

Annex Table 26: Readiness to provide CEmOC by county, facility type, managing authority and urban vs. rural location (N=213), Kenya 2018

County	Staff trained in surgery	Staff trained in anaesthesia	Anaesthesia equipment	Resuscitation table	Incubator	Oxygen	Spinal needle	Blood typing	Cross match testing	Blood supply sufficiency	Blood supply safety	Lidocaine 5%	Epinephrine (injectable)	Halothane (inhalation)	Atropine (injectable)	Thiopental (powder)	Suxamethonium bromide (powder)	Ketamine (injectable)	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Baringo	100%	50%	50%	100%	100%	0%	100%	50%	50%	0%	100%	0%	100%	100%	100%	100%	100%	100%	0%	72%	3
Bomet	80%	20%	20%	100%	100%	0%	80%	100%	100%	40%	100%	80%	100%	100%	100%	100%	100%	100%	0%	79%	4
Bungoma	89%	89%	89%	78%	100%	78%	100%	67%	33%	56%	100%	44%	100%	78%	100%	78%	78%	100%	11%	80%	8
Busia	60%	47%	27%	100%	73%	81%	87%	100%	87%	0%	100%	100%	100%	0%	100%	0%	0%	87%	0%	63%	6
Elgeyo-marakwet	0%	0%	50%	100%	50%	58%	100%	100%	50%	0%	50%	0%	100%	100%	100%	50%	100%	100%	0%	58%	3
Embu	50%	25%	25%	100%	75%	61%	75%	100%	25%	50%	100%	25%	100%	100%	100%	75%	50%	100%	0%	69%	6
Garissa	67%	33%	0%	100%	67%	22%	67%	67%	67%	100%	67%	33%	100%	33%	100%	33%	33%	100%	0%	63%	5
Homa bay	91%	50%	32%	68%	91%	93%	100%	59%	27%	41%	68%	9%	68%	68%	68%	82%	41%	100%	0%	64%	7
Isiolo	100%	100%	0%	100%	100%	0%	100%	100%	100%	0%	100%	100%	100%	100%	100%	100%	100%	100%	0%	83%	2
Kajiado	46%	46%	38%	100%	62%	88%	54%	84%	84%	46%	84%	46%	100%	100%	100%	100%	100%	100%	0%	76%	6
Kakamega	75%	75%	75%	50%	75%	82%	75%	75%	75%	25%	100%	0%	100%	100%	100%	75%	100%	100%	0%	72%	7
Kericho	93%	93%	93%	100%	69%	62%	100%	62%	31%	100%	100%	14%	100%	52%	100%	14%	86%	76%	0%	75%	7
Kiambu	96%	91%	51%	79%	98%	98%	100%	77%	7%	42%	79%	2%	79%	79%	100%	53%	100%	77%	0%	73%	13
Kilifi	85%	69%	85%	100%	100%	62%	100%	0%	0%	69%	69%	85%	100%	31%	100%	31%	31%	46%	0%	66%	6
Kirinyaga	33%	0%	78%	100%	100%	78%	100%	100%	100%	11%	100%	67%	100%	78%	100%	78%	89%	89%	0%	79%	6
Kisii	47%	41%	59%	76%	65%	41%	100%	94%	65%	71%	100%	41%	100%	76%	94%	65%	59%	94%	0%	72%	9
Kisumu	75%	25%	30%	100%	79%	82%	63%	96%	63%	21%	100%	66%	100%	96%	100%	42%	79%	96%	0%	74%	10
Kitui	13%	75%	88%	100%	25%	8%	100%	88%	13%	13%	100%	0%	100%	100%	100%	88%	100%	100%	0%	67%	4
Kwale	60%	40%	20%	60%	100%	40%	100%	40%	40%	80%	100%	0%	100%	40%	100%	40%	40%	100%	0%	61%	4
Laikipia	52%	28%	28%	100%	76%	100%	76%	52%	38%	24%	76%	14%	100%	76%	100%	76%	100%	100%	0%	67%	6
Lamu	67%	0%	0%	100%	67%	21%	100%	33%	0%	33%	100%	67%	100%	33%	67%	67%	33%	67%	0%	54%	4
Machakos	25%	13%	13%	100%	38%	51%	25%	100%	100%	25%	100%	75%	100%	100%	100%	13%	100%	100%	13%	64%	7
Makueni	86%	29%	14%	86%	57%	81%	86%	86%	57%	57%	86%	14%	100%	100%	100%	71%	71%	100%	0%	70%	9
Mandera	75%	25%	25%	100%	100%	50%	100%	100%	75%	50%	75%	25%	100%	100%	75%	100%	100%	100%	0%	76%	4

County	Staff trained in surgery	Staff trained in anaesthesia	Anaesthesia equipment	Resuscitation table	Incubator	Oxygen	Spinal needle	Blood typing	Cross match testing	Blood supply sufficiency	Blood supply safety	Lidocaine 5%	Epinephrine (injectable)	Halothane (inhalation)	Atropine (injectable)	Thiopental (powder)	Suxamethonium bromide (powder)	Ketamine (injectable)	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Marsabit	100%	67%	50%	100%	83%	67%	100%	83%	17%	33%	83%	0%	100%	50%	100%	50%	50%	100%	0%	69%	4
Meru	91%	83%	59%	100%	100%	100%	100%	59%	59%	74%	100%	41%	100%	91%	100%	74%	83%	100%	0%	84%	8
Migori	64%	14%	14%	64%	50%	31%	100%	36%	0%	50%	50%	0%	100%	28%	100%	14%	28%	100%	0%	45%	5
Mombasa	79%	36%	57%	57%	31%	87%	100%	95%	74%	43%	95%	69%	100%	100%	79%	31%	79%	100%	0%	74%	9
Murang'a	94%	50%	44%	94%	19%	6%	94%	88%	38%	81%	88%	6%	100%	94%	100%	100%	100%	100%	0%	72%	6
Nairobi	77%	55%	6%	98%	75%	85%	77%	77%	31%	3%	77%	27%	100%	56%	100%	8%	56%	100%	3%	62%	20
Nakuru	54%	50%	93%	100%	61%	89%	96%	96%	89%	39%	96%	61%	100%	100%	100%	100%	100%	96%	0%	85%	13
Nandi	67%	17%	75%	33%	58%	38%	75%	42%	17%	42%	100%	25%	100%	75%	100%	100%	83%	100%	0%	65%	6
Narok	100%	25%	25%	100%	100%	88%	63%	63%	63%	50%	100%	50%	88%	63%	100%	50%	63%	100%	0%	72%	4
Nyamira	100%	100%	0%	100%	100%	27%	0%	100%	100%	0%	100%	0%	100%	100%	100%	100%	100%	100%	0%	78%	2
Nyandarua	75%	75%	75%	100%	75%	50%	75%	100%	50%	0%	100%	100%	100%	100%	100%	100%	75%	100%	0%	81%	3
Nyeri	18%	9%	0%	82%	18%	38%	91%	100%	73%	91%	100%	0%	91%	100%	100%	9%	91%	100%	0%	64%	7
Samburu	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	50%	100%	100%	100%	100%	50%	100%	0%	89%	2
Siaya	43%	43%	100%	100%	57%	71%	100%	100%	26%	0%	100%	0%	100%	57%	100%	43%	57%	70%	0%	66%	6
Taita taveta	40%	20%	40%	60%	60%	72%	80%	60%	20%	80%	80%	40%	100%	80%	100%	20%	20%	100%	0%	59%	5
Tana river	100%	50%	100%	100%	100%	50%	100%	100%	50%	100%	100%	0%	100%	50%	100%	50%	50%	50%	0%	75%	2
Tharaka-nithi	13%	50%	50%	100%	100%	45%	100%	88%	38%	38%	63%	0%	100%	100%	100%	13%	100%	100%	0%	67%	5
Trans nzoia	0%	0%	0%	100%	50%	86%	0%	100%	50%	0%	100%	0%	100%	100%	100%	100%	100%	100%	0%	58%	4
Turkana	100%	75%	100%	25%	100%	75%	100%	100%	100%	25%	100%	25%	100%	100%	100%	100%	100%	100%	0%	85%	3
Uasin gishu	38%	8%	38%	100%	100%	100%	69%	69%	38%	38%	100%	100%	100%	100%	100%	100%	100%	100%	8%	78%	6
Vihiga	100%	0%	0%	100%	100%	32%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	0%	78%	2
Wajir	33%	33%	0%	100%	100%	0%	33%	100%	33%	33%	67%	0%	67%	33%	67%	67%	67%	100%	0%	52%	3
West pokot	50%	50%	0%	100%	50%	50%	50%	0%	0%	0%	100%	0%	100%	50%	100%	50%	0%	50%	0%	44%	2
Facility type																					
Secondary & tertiary hospitals	100%	94%	78%	94%	83%	89%	100%	83%	83%	56%	94%	44%	100%	100%	94%	78%	94%	100%	22%	87%	18

County	Staff trained in surgery	Staff trained in anaesthesia	Anaesthesia equipment	Resuscitation table	Incubator	Oxygen	Spinal needle	Blood typing	Cross match testing	Blood supply sufficiency	Blood supply safety	Lidocaine 5%	Epinephrine (injectable)	Halothane (inhalation)	Atropine (injectable)	Thiopental (powder)	Suxamethonium bromide (powder)	Ketamine (injectable)	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Public primary hospitals	64%	38%	42%	92%	82%	55%	84%	73%	46%	32%	88%	26%	98%	83%	98%	65%	74%	93%	1%	68%	130
Private/ngo/fbo primary hospitals	69%	51%	43%	88%	68%	83%	86%	82%	45%	41%	89%	37%	96%	74%	97%	48%	76%	94%	0%	70%	65
Health centres	0%	0%	0%	0%	0%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	46
Dispensaries	0%	0%	0%	0%	0%	16%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4
Medical clinics	0%	0%	0%	0%	0%	81%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10
Managing authority																					
Government	67%	44%	45%	92%	81%	52%	85%	74%	49%	35%	88%	27%	98%	85%	97%	66%	76%	94%	2%	70%	149
Ngo / fbo	72%	57%	46%	94%	75%	85%	100%	94%	50%	48%	97%	26%	100%	90%	100%	64%	84%	95%	0%	77%	38
Private	68%	48%	43%	84%	64%	75%	78%	75%	42%	36%	83%	45%	93%	65%	96%	37%	72%	93%	1%	67%	86
Urban/rural																					
Urban	68%	52%	49%	89%	74%	76%	87%	80%	44%	37%	90%	36%	97%	78%	98%	53%	76%	96%	2%	71%	180
Rural	70%	42%	34%	90%	70%	60%	85%	79%	52%	44%	86%	30%	96%	78%	96%	56%	76%	90%	0%	69%	93
Total	**69%**	**49%**	**44%**	**89%**	**73%**	**72%**	**86%**	**80%**	**47%**	**39%**	**89%**	**34%**	**96%**	**78%**	**97%**	**54%**	**76%**	**94%**	**1%**	**70%**	**273**

Annex Table 27: Percentage of facilities that have essential medicines for mothers observed in stock and valid by county, facility type, managing authority and urban vs. rural location (N=2927), Kenya 2018

County	Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Azithromycin cap/tab or oral liquid	Cefixime cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab	Hydralazine injection	Methyldopa tablet	Mean availability of tracer items	Total number of facilities
Baringo	55%	82%	26%	40%	3%	47%	36%	3%	63%	22%	38%	63%	15%	3%	17%	34%	63
Bomet	32%	95%	9%	14%	14%	69%	43%	7%	33%	16%	75%	48%	35%	10%	19%	35%	56
Bungoma	56%	79%	55%	41%	10%	48%	49%	18%	25%	13%	54%	45%	14%	5%	11%	35%	67
Busia	66%	77%	38%	46%	22%	85%	34%	11%	37%	17%	63%	32%	41%	16%	16%	40%	56
Elgeyo-marakwet	55%	72%	5%	19%	3%	69%	21%	7%	5%	9%	47%	27%	14%	8%	22%	26%	53
Embu	43%	81%	20%	14%	3%	82%	16%	9%	44%	24%	65%	20%	21%	16%	58%	34%	63
Garissa	49%	78%	34%	43%	20%	61%	70%	15%	43%	35%	34%	65%	58%	33%	35%	45%	59
Homa bay	77%	77%	18%	26%	13%	68%	69%	18%	40%	37%	67%	43%	23%	11%	24%	41%	74
Isiolo	84%	96%	55%	51%	13%	61%	72%	10%	37%	19%	69%	77%	46%	6%	54%	50%	36
Kajiado	57%	84%	23%	29%	10%	65%	60%	17%	56%	43%	59%	56%	35%	18%	53%	44%	67
Kakamega	71%	82%	48%	45%	10%	78%	40%	17%	31%	20%	65%	54%	23%	26%	19%	42%	73
Kericho	47%	47%	20%	11%	11%	66%	30%	5%	33%	17%	58%	20%	8%	5%	20%	26%	63
Kiambu	44%	77%	16%	19%	9%	76%	43%	20%	74%	31%	72%	51%	40%	13%	57%	43%	86
Kilifi	66%	74%	38%	43%	21%	72%	57%	24%	60%	48%	55%	46%	47%	23%	36%	47%	69
Kirinyaga	37%	75%	20%	20%	4%	67%	26%	11%	39%	18%	60%	31%	35%	11%	28%	32%	63
Kisii	77%	71%	28%	28%	13%	59%	51%	12%	30%	29%	53%	53%	19%	11%	26%	37%	75
Kisumu	61%	78%	37%	47%	23%	75%	47%	20%	53%	44%	61%	58%	44%	28%	46%	48%	73
Kitui	69%	83%	39%	39%	9%	88%	56%	11%	74%	24%	68%	59%	15%	31%	67%	49%	75
Kwale	82%	77%	37%	47%	5%	86%	53%	13%	55%	30%	63%	45%	62%	28%	67%	50%	54
Laikipia	52%	78%	18%	34%	11%	76%	21%	12%	34%	17%	63%	52%	28%	10%	29%	36%	58
Lamu	55%	66%	17%	32%	5%	71%	48%	8%	37%	14%	39%	33%	29%	19%	33%	34%	34
Machakos	58%	86%	21%	22%	11%	81%	54%	18%	41%	22%	69%	42%	36%	18%	44%	42%	71

County	Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Azithromycin cap/tab or oral liquid	Cefixime cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab	Hydralazine injection	Methyldopa tablet	Mean availability of tracer items	Total number of facilities
Makueni	67%	95%	17%	39%	6%	92%	59%	11%	40%	10%	71%	50%	3%	25%	40%	42%	73
Mandera	82%	84%	29%	56%	7%	62%	95%	22%	66%	37%	58%	71%	25%	22%	58%	52%	54
Marsabit	87%	96%	72%	74%	12%	95%	88%	8%	54%	43%	91%	85%	29%	19%	82%	62%	48
Meru	22%	46%	15%	12%	4%	61%	20%	13%	40%	32%	44%	32%	16%	13%	42%	28%	83
Migori	82%	93%	35%	53%	10%	62%	53%	15%	26%	17%	47%	36%	27%	12%	26%	40%	69
Mombasa	53%	74%	35%	24%	24%	70%	62%	28%	63%	40%	52%	43%	30%	24%	44%	44%	70
Murang'a	31%	68%	13%	14%	15%	60%	24%	10%	79%	29%	65%	29%	21%	7%	59%	35%	67
Nairobi	48%	90%	43%	25%	9%	74%	57%	30%	77%	38%	67%	55%	20%	19%	60%	48%	89
Nakuru	47%	75%	40%	32%	15%	65%	48%	17%	50%	34%	63%	43%	39%	18%	46%	42%	87
Nandi	69%	93%	28%	17%	3%	66%	47%	5%	67%	52%	78%	36%	28%	20%	46%	44%	62
Narok	79%	79%	27%	78%	5%	98%	55%	14%	34%	12%	67%	59%	25%	5%	31%	45%	59
Nyamira	78%	90%	17%	26%	10%	53%	42%	15%	25%	16%	64%	31%	31%	11%	34%	36%	61
Nyandarua	43%	74%	25%	26%	10%	85%	26%	5%	35%	43%	80%	52%	18%	11%	41%	38%	57
Nyeri	25%	60%	12%	15%	14%	73%	29%	12%	64%	39%	56%	45%	40%	6%	42%	36%	72
Samburu	70%	90%	62%	62%	37%	83%	77%	15%	64%	57%	62%	85%	51%	28%	72%	61%	41
Siaya	68%	86%	32%	41%	8%	72%	36%	16%	35%	26%	67%	36%	31%	11%	22%	39%	69
Taita taveta	80%	91%	19%	41%	13%	80%	51%	13%	65%	54%	54%	33%	16%	25%	54%	46%	49
Tana river	67%	78%	48%	37%	11%	53%	49%	6%	36%	18%	40%	59%	55%	37%	40%	42%	38
Tharaka-nithi	26%	56%	10%	10%	6%	77%	24%	5%	30%	18%	50%	22%	4%	7%	26%	25%	55
Trans nzoia	46%	70%	26%	27%	13%	60%	41%	19%	22%	22%	43%	35%	28%	12%	20%	32%	58
Turkana	75%	75%	35%	61%	9%	71%	75%	3%	38%	11%	38%	25%	9%	16%	7%	36%	61
Uasin gishu	56%	83%	30%	34%	11%	69%	46%	19%	34%	18%	71%	52%	27%	12%	33%	40%	62
Vihiga	69%	80%	48%	32%	18%	55%	56%	38%	45%	51%	69%	43%	19%	28%	33%	46%	45
Wajir	69%	63%	23%	33%	9%	45%	55%	11%	32%	14%	29%	36%	39%	26%	31%	34%	54
West pokot	66%	82%	14%	20%	8%	89%	46%	1%	28%	10%	42%	56%	6%	7%	4%	32%	56

County	Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Azithromycin cap/tab or oral liquid	Cefixime cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab	Hydralazine injection	Methyldopa tablet	Mean availability of tracer items	Total number of facilities
Facility type																	
Secondary & tertiary hospitals	95%	100%	100%	95%	40%	85%	85%	90%	85%	55%	90%	100%	35%	80%	85%	81%	20
Public primary hospitals	96%	96%	79%	80%	11%	84%	81%	54%	66%	57%	82%	88%	36%	66%	78%	70%	307
Private/ngo/fbo primary hospitals	81%	98%	84%	83%	32%	92%	95%	75%	94%	66%	82%	98%	41%	74%	88%	79%	84
Health centres	85%	91%	43%	55%	14%	80%	64%	26%	51%	33%	72%	65%	36%	29%	57%	53%	465
Dispensaries	57%	77%	21%	29%	6%	67%	37%	4%	35%	18%	54%	34%	18%	8%	26%	33%	1261
Medical clinics	32%	67%	20%	12%	13%	68%	43%	14%	60%	34%	58%	41%	34%	9%	40%	36%	790
Managing authority																	
Government	66%	81%	27%	39%	6%	68%	41%	8%	31%	18%	55%	40%	16%	15%	31%	36%	1658
Ngo / fbo	55%	79%	35%	31%	15%	81%	58%	20%	67%	35%	71%	50%	37%	18%	48%	47%	323
Private	43%	73%	28%	21%	15%	72%	50%	23%	65%	39%	63%	50%	38%	17%	48%	43%	946
Urban/rural																	
Urban	45%	76%	36%	28%	15%	70%	55%	26%	66%	43%	63%	52%	34%	23%	51%	45%	873
Rural	61%	78%	24%	33%	9%	72%	43%	10%	40%	21%	59%	42%	24%	12%	34%	38%	2054
Total	**55%**	**78%**	**28%**	**31%**	**11%**	**71%**	**47%**	**15%**	**49%**	**29%**	**60%**	**45%**	**27%**	**16%**	**40%**	**40%**	**2927**

Annex Table 28: Percentage of facilities that offer post-abortion care services by county, facility type, managing authority and urban vs. rural location (N=2927), Kenya 2018

County	Offers PAC	Counselling routine component of PAC	Counselling topics covered: issues related to events leading to need for PAC	Counselling topics covered: prevention of unwanted pregnancy	Counselling topics covered: risks that might be associated with future pregnancies	Total number of facilities
Baringo	7%	6%	6%	6%	6%	63
Bomet	11%	6%	6%	6%	6%	56
Bungoma	49%	49%	47%	47%	47%	67
Busia	57%	57%	54%	54%	54%	56
Elgeyo-marakwet	23%	23%	20%	23%	23%	53
Embu	7%	7%	6%	6%	6%	63
Garissa	23%	22%	22%	22%	22%	59
Homa bay	42%	42%	40%	42%	42%	74
Isiolo	40%	40%	37%	40%	37%	36
Kajiado	29%	29%	29%	29%	29%	67
Kakamega	41%	41%	39%	40%	41%	73
Kericho	15%	15%	15%	15%	15%	63
Kiambu	16%	16%	14%	14%	14%	86
Kilifi	49%	49%	45%	48%	48%	69
Kirinyaga	15%	15%	15%	15%	15%	63
Kisii	41%	41%	40%	41%	41%	75
Kisumu	46%	46%	46%	46%	46%	73
Kitui	32%	30%	30%	30%	30%	75
Kwale	41%	39%	35%	39%	39%	54
Laikipia	11%	11%	11%	11%	11%	58
Lamu	28%	28%	28%	28%	28%	34
Machakos	24%	23%	20%	22%	23%	71
Makueni	19%	19%	18%	19%	19%	73
Mandera	60%	56%	40%	33%	35%	54
Marsabit	51%	51%	51%	49%	49%	48
Meru	11%	9%	9%	9%	9%	83
Migori	45%	43%	38%	43%	36%	69
Mombasa	16%	16%	13%	16%	16%	70
Murang'a	9%	9%	9%	9%	9%	67
Nairobi	29%	29%	29%	29%	28%	89
Nakuru	22%	22%	22%	22%	22%	87
Nandi	8%	8%	6%	8%	8%	62
Narok	54%	52%	52%	52%	52%	59
Nyamira	49%	49%	48%	48%	48%	61
Nyandarua	11%	11%	11%	11%	11%	57
Nyeri	7%	7%	7%	7%	7%	72

County	Offers PAC	Counselling routine component of PAC	Counselling topics covered: issues related to events leading to need for PAC	Counselling topics covered: prevention of unwanted pregnancy	Counselling topics covered: risks that might be associated with future pregnancies	Total number of facilities
Samburu	65%	65%	62%	65%	57%	41
Siaya	49%	48%	45%	46%	46%	69
Taita taveta	37%	37%	36%	35%	33%	49
Tana river	27%	27%	15%	15%	10%	38
Tharaka-nithi	7%	6%	6%	6%	6%	55
Trans nzoia	21%	21%	21%	21%	20%	58
Turkana	25%	25%	22%	21%	23%	61
Uasin gishu	23%	23%	22%	23%	21%	62
Vihiga	39%	39%	36%	36%	37%	45
Wajir	26%	24%	20%	15%	18%	54
West pokot	12%	11%	10%	5%	10%	56
Facility type						
Secondary & tertiary hospitals	90%	85%	85%	85%	85%	20
Public primary hospitals	85%	83%	79%	79%	80%	307
Private/ngo/fbo primary hospitals	77%	77%	77%	77%	76%	84
Health centres	56%	55%	52%	52%	52%	465
Dispensaries	21%	20%	19%	19%	19%	1261
Medical clinics	10%	9%	9%	9%	9%	790
Managing authority						
Government	32%	31%	30%	30%	30%	1658
Ngo / fbo	26%	25%	25%	25%	25%	323
Private	21%	20%	19%	20%	19%	946
Urban/rural						
Urban	26%	26%	24%	25%	25%	873
Rural	27%	26%	25%	25%	25%	2054
Total	**27%**	**26%**	**25%**	**25%**	**25%**	**2927**

Annex Table 29: Percentage of facilities that have tracer items for post-abortion care services among facilities that provide this service by county, facility type, managing authority and urban vs. rural location (N=964), Kenya 2018

County	Vacuum aspirator or D&C kit (with speculum)	Sterile gloves	Antibiotics for postpartum sepsis (ampicillin and gentamicin, or ceftriaxone)	Pain medicine (acetaminophen or ibuprofen)	Antiseptic for washing perineum and opening of uterus	Mean availability of items	Percent of facilities with all items	Total number of facilities
Baringo	94%	100%	77%	77%	65%	83%	43%	8
Bomet	53%	100%	77%	84%	38%	70%	22%	7
Bungoma	81%	97%	42%	78%	36%	67%	20%	35
Busia	65%	96%	73%	84%	24%	68%	17%	32
Elgeyo-marakwet	68%	100%	51%	81%	43%	69%	21%	14
Embu	84%	100%	100%	72%	72%	86%	36%	7
Garissa	89%	100%	66%	66%	8%	66%	8%	16
Homa bay	62%	96%	62%	88%	4%	63%	1%	37
Isiolo	75%	100%	47%	93%	60%	75%	18%	15
Kajiado	61%	95%	62%	89%	35%	68%	19%	21
Kakamega	59%	89%	77%	74%	18%	63%	18%	36
Kericho	63%	89%	75%	100%	56%	77%	35%	14
Kiambu	79%	100%	100%	100%	41%	84%	41%	19
Kilifi	45%	97%	94%	88%	38%	72%	25%	35
Kirinyaga	12%	100%	100%	100%	65%	75%	0%	10
Kisii	53%	92%	68%	84%	24%	64%	8%	36
Kisumu	65%	100%	98%	95%	36%	79%	20%	39
Kitui	72%	100%	100%	91%	28%	78%	19%	33
Kwale	62%	100%	95%	95%	29%	76%	15%	23
Laikipia	61%	100%	86%	100%	25%	74%	11%	9
Lamu	67%	100%	78%	89%	28%	73%	28%	10
Machakos	61%	100%	87%	100%	32%	76%	12%	20
Makueni	58%	100%	82%	92%	50%	76%	33%	18
Mandera	73%	100%	64%	64%	26%	65%	16%	34
Marsabit	47%	100%	100%	79%	53%	76%	18%	25
Meru	65%	100%	98%	98%	30%	78%	12%	17
Migori	68%	89%	43%	57%	16%	55%	12%	35
Mombasa	80%	100%	90%	90%	61%	85%	42%	13
Murang'a	78%	100%	83%	100%	33%	79%	33%	10
Nairobi	74%	96%	93%	96%	55%	83%	40%	29
Nakuru	68%	100%	90%	81%	42%	76%	26%	28
Nandi	45%	100%	100%	62%	38%	69%	0%	7

County	Vacuum aspirator or D&C kit (with speculum)	Sterile gloves	Antibiotics for postpartum sepsis (ampicillin and gentamicin, or ceftriaxone)	Pain medicine (acetaminophen or ibuprofen)	Antiseptic for washing perineum and opening of uterus	Mean availability of items	Percent of facilities with all items	Total number of facilities
Narok	44%	80%	99%	97%	23%	69%	10%	33
Nyamira	58%	96%	63%	63%	29%	62%	15%	32
Nyandarua	100%	100%	85%	100%	11%	79%	11%	8
Nyeri	92%	100%	88%	100%	52%	86%	48%	7
Samburu	61%	100%	88%	61%	16%	65%	4%	27
Siaya	66%	93%	68%	57%	19%	61%	10%	37
Taita taveta	40%	100%	97%	100%	49%	77%	17%	20
Tana river	70%	90%	51%	45%	70%	65%	25%	11
Tharaka-nithi	70%	100%	100%	100%	60%	86%	60%	6
Trans nzoia	51%	97%	82%	77%	30%	67%	15%	16
Turkana	79%	86%	79%	93%	18%	71%	18%	16
Uasin gishu	63%	94%	72%	93%	47%	74%	33%	16
Vihiga	44%	76%	80%	80%	26%	61%	18%	18
Wajir	92%	92%	28%	73%	18%	61%	11%	16
West pokot	48%	100%	85%	100%	37%	74%	21%	9
Facility type								
Secondary & tertiary hospitals	94%	100%	94%	100%	78%	93%	67%	18
Public primary hospitals	81%	100%	91%	94%	47%	82%	37%	260
Private/ngo/fbo primary hospitals	80%	100%	96%	98%	55%	86%	45%	64
Health centres	66%	95%	81%	84%	32%	72%	19%	257
Dispensaries	50%	96%	67%	76%	27%	63%	9%	285
Medical clinics	73%	91%	90%	92%	23%	74%	19%	80
Managing authority								
Government	62%	96%	70%	77%	31%	67%	15%	683
Ngo / fbo	52%	97%	89%	92%	34%	73%	14%	87
Private	74%	95%	94%	96%	38%	79%	32%	194
Urban/rural								
Urban	73%	95%	91%	95%	46%	80%	34%	285
Rural	60%	96%	74%	80%	28%	68%	14%	679
Total	**64%**	**96%**	**80%**	**85%**	**34%**	**72%**	**20%**	**964**

Annex Table 30: Percentage of facilities that offer outpatient postnatal care for mothers and newborns (N=2927) and percentage of facilities offering outpatient postnatal care with specific services (N = 2153), by county, facility type, managing authority and urban vs. rural location (Kenya 2018)

County	Postpartum care for mothers	Postpartum care for newborns	Total number of facilities	Postpartum women with symptoms of hemorrhage provided services	Routine practice for managing PPH: Immediate referral to inpatient/ emergency area in this facility without providing any treatment	Routine practice for managing PPH: Immediate referral to another facility without providing any treatment	Routine practice for managing PPH: Provide one dose injectable uterotonic oxytocin/methergin and then refer within the facility	Routine practice for managing PPH: Provide one dose injectable uterotonic oxytocin/methergin and then refer outside the facility	Routine practice for managing PPH: Provide full treatment in this facility service area	Facility has policy to routinely encourage exclusive breast feeding	Total number of facilities
Baringo	78%	78%	63	94%	13%	4%	17%	11%	3%	100%	50
Bomet	54%	46%	56	33%	17%	7%	3%	0%	0%	88%	32
Bungoma	78%	77%	67	92%	41%	4%	26%	4%	2%	98%	53
Busia	73%	69%	56	83%	43%	0%	17%	0%	3%	100%	40
Elgeyo-marakwet	80%	96%	53	87%	11%	5%	37%	20%	1%	100%	43
Embu	68%	68%	63	87%	10%	13%	42%	18%	0%	97%	44
Garissa	60%	60%	59	91%	28%	12%	40%	0%	4%	100%	37
Homa bay	90%	92%	74	85%	4%	2%	59%	17%	0%	100%	68
Isiolo	90%	90%	36	90%	9%	13%	61%	0%	0%	100%	32
Kajiado	50%	53%	67	87%	28%	0%	56%	3%	0%	100%	35
Kakamega	66%	77%	73	88%	43%	0%	18%	5%	0%	100%	52
Kericho	87%	84%	63	92%	48%	4%	15%	16%	0%	100%	56
Kiambu	67%	67%	86	88%	11%	14%	28%	12%	3%	100%	60
Kilifi	65%	67%	69	91%	14%	16%	16%	28%	0%	98%	46
Kirinyaga	50%	50%	63	74%	24%	3%	14%	3%	4%	97%	32
Kisii	84%	84%	75	87%	20%	1%	16%	2%	6%	100%	64
Kisumu	80%	81%	73	85%	32%	13%	24%	2%	6%	100%	60
Kitui	81%	75%	75	88%	34%	4%	33%	4%	0%	96%	63
Kwale	78%	76%	54	97%	22%	5%	53%	3%	12%	100%	43
Laikipia	68%	64%	58	94%	92%	3%	0%	0%	0%	100%	41
Lamu	72%	72%	34	93%	32%	25%	23%	4%	0%	100%	25
Machakos	71%	73%	71	81%	28%	6%	21%	8%	1%	98%	51
Makueni	82%	82%	73	62%	30%	8%	7%	2%	0%	100%	61
Mandera	58%	58%	54	83%	25%	7%	38%	10%	0%	100%	33
Marsabit	89%	89%	48	88%	17%	6%	10%	20%	1%	100%	43
Meru	46%	45%	83	73%	39%	0%	18%	0%	4%	97%	45
Migori	78%	78%	69	90%	20%	0%	30%	6%	2%	100%	55
Mombasa	56%	56%	70	89%	40%	6%	30%	3%	0%	100%	41
Murang'a	71%	69%	67	90%	35%	2%	14%	0%	0%	100%	49
Nairobi	74%	76%	89	87%	29%	7%	40%	5%	3%	100%	69
Nakuru	74%	75%	87	91%	30%	9%	44%	0%	0%	100%	68
Nandi	68%	66%	62	97%	23%	8%	48%	2%	0%	100%	43

County	Postpartum care for mothers	Postpartum care for newborns	Total number of facilities	Postpartum women with symptoms of hemorrhage provided services	Routine practice for managing PPH: Immediate referral to inpatient/ emergency area in this facility without providing any treatment	Routine practice for managing PPH: Immediate referral to another facility without providing any treatment	Routine practice for managing PPH: Provide one dose injectable uterotonic oxytocin/methergin and then refer within the facility	Routine practice for managing PPH: Provide one dose injectable uterotonic oxytocin/methergin and then refer outside the facility	Routine practice for managing PPH: Provide full treatment in this facility service area	Facility has policy to routinely encourage exclusive breast feeding	Total number of facilities
Narok	75%	75%	59	88%	11%	5%	10%	5%	14%	100%	45
Nyamira	96%	96%	61	91%	14%	4%	33%	0%	0%	100%	58
Nyandarua	60%	56%	57	88%	3%	3%	51%	15%	1%	97%	35
Nyeri	55%	55%	72	89%	43%	8%	27%	3%	3%	100%	41
Samburu	92%	87%	41	97%	57%	3%	27%	8%	0%	97%	38
Siaya	74%	75%	69	93%	31%	7%	50%	0%	0%	84%	52
Taita taveta	78%	85%	49	93%	11%	0%	46%	17%	3%	100%	39
Tana river	59%	59%	38	86%	14%	0%	46%	0%	0%	95%	23
Tharaka-nithi	79%	79%	55	78%	35%	17%	10%	0%	0%	98%	44
Trans nzoia	60%	66%	58	94%	8%	3%	56%	6%	7%	100%	37
Turkana	80%	82%	61	87%	37%	2%	37%	4%	0%	100%	48
Uasin gishu	76%	76%	62	89%	42%	11%	16%	7%	0%	98%	48
Vihiga	89%	84%	45	87%	23%	10%	32%	3%	0%	100%	40
Wajir	63%	70%	54	89%	19%	3%	50%	3%	0%	58%	36
West pokot	62%	66%	56	87%	47%	4%	21%	6%	0%	100%	35
Facility type											
Secondary & tertiary hospitals	95%	95%	20	100%	53%	0%	32%	0%	11%	100%	19
Public primary hospitals	98%	98%	307	95%	42%	2%	32%	1%	6%	99%	300
Private/ngo/fbo primary hospitals	90%	91%	84	96%	49%	1%	34%	0%	4%	100%	75
Health centres	86%	88%	465	90%	29%	4%	34%	5%	3%	99%	403
Dispensaries	82%	82%	1261	84%	27%	7%	27%	7%	1%	98%	1038
Medical clinics	43%	43%	790	85%	21%	8%	31%	8%	2%	98%	318
Managing authority											
Government	86%	87%	1658	87%	28%	7%	29%	7%	1%	98%	1459
Ngo / fbo	73%	73%	323	83%	27%	3%	28%	6%	3%	99%	240
Private	50%	50%	946	88%	27%	6%	32%	5%	3%	99%	454
Urban/rural											
Urban	58%	58%	873	89%	32%	6%	32%	5%	3%	99%	24
Rural	77%	78%	2054	86%	26%	6%	29%	6%	1%	98%	1628
Total	**71%**	**71%**	**2927**	**87%**	**28%**	**6%**	**30%**	**6%**	**2%**	**98%**	**2153**

Annex Table 31: Percentage of facilities that offer inpatient postnatal care for mothers and newborns (N=2927) and percentage of facilities offering inpatient postnatal care with specific services (N = 1682), by county, facility type, managing authority and urban vs. rural location Kenya 2018

County	Postpartum care for mothers (IPD)	Total number of facilities	All women provided postpartum counseling prior to discharge	All women provided family planning counseling prior to discharge	Routine counseling for postpartum women on child immunization needs	Routine counseling for postpartum women on child nutrition needs	Routine counseling for postpartum women on danger signs in the newborn	Routine counseling for postpartum women on cord care and hygiene	Provision of newborn vaccines	Provision of ITNs for child	Total number of facilities
Baringo	47%	63	96%	96%	100%	96%	100%	100%	89%	92%	2
Bomet	33%	56	100%	100%	92%	100%	100%	100%	86%	92%	20
Bungoma	70%	67	100%	100%	100%	98%	100%	99%	96%	92%	48
Busia	76%	56	100%	97%	96%	98%	93%	96%	86%	89%	42
Elgeyo-marakwet	35%	53	98%	87%	100%	100%	100%	100%	48%	66%	20
Embu	13%	63	100%	100%	100%	80%	92%	100%	76%	84%	12
Garissa	54%	59	97%	96%	97%	100%	100%	100%	93%	43%	34
Homa bay	80%	74	100%	100%	100%	100%	100%	100%	98%	92%	62
Isiolo	70%	36	96%	92%	96%	96%	96%	96%	81%	77%	25
Kajiado	58%	67	100%	94%	95%	97%	95%	100%	81%	78%	40
Kakamega	71%	73	93%	96%	93%	95%	98%	98%	71%	78%	55
Kericho	40%	63	96%	96%	83%	95%	100%	100%	52%	85%	28
Kiambu	22%	86	100%	100%	100%	99%	100%	100%	62%	22%	25
Kilifi	67%	69	89%	92%	87%	79%	87%	92%	72%	81%	47
Kirinyaga	30%	63	100%	83%	95%	100%	100%	100%	90%	58%	20
Kisii	85%	75	100%	100%	98%	98%	100%	100%	84%	85%	65
Kisumu	66%	73	100%	98%	100%	100%	99%	100%	85%	86%	51
Kitui	56%	75	94%	97%	93%	95%	95%	95%	82%	85%	48
Kwale	80%	54	100%	93%	96%	98%	100%	100%	81%	88%	44
Laikipia	53%	58	98%	92%	89%	94%	94%	100%	80%	0%	33
Lamu	63%	34	100%	100%	100%	100%	100%	100%	75%	90%	22
Machakos	51%	71	94%	91%	96%	96%	96%	96%	85%	72%	37
Makueni	77%	73	96%	94%	96%	98%	100%	100%	82%	94%	58
Mandera	84%	54	83%	53%	90%	75%	80%	94%	65%	8%	46
Marsabit	85%	48	97%	87%	95%	98%	100%	100%	93%	14%	41
Meru	20%	83	100%	100%	91%	100%	99%	100%	91%	83%	27
Migori	81%	69	93%	89%	81%	82%	83%	89%	66%	88%	57
Mombasa	37%	70	96%	97%	100%	100%	100%	100%	36%	40%	28
Murang'a	16%	67	100%	100%	100%	100%	100%	100%	78%	98%	15
Nairobi	37%	89	100%	100%	100%	100%	100%	100%	88%	0%	37
Nakuru	36%	87	100%	100%	100%	100%	100%	100%	94%	2%	41

County	Postpartum care for mothers (IPD)	Total number of facilities	All women provided postpartum counseling prior to discharge	All women provided family planning counseling prior to discharge	Routine counseling for postpartum women on child immunization needs	Routine counseling for postpartum women on child nutrition needs	Routine counseling for postpartum women on danger signs in the newborn	Routine counseling for postpartum women on cord care and hygiene	Provision of newborn vaccines	Provision of ITNs for child	Total number of facilities
Nandi	19%	62	86%	86%	82%	96%	96%	86%	75%	86%	16
Narok	86%	59	100%	96%	98%	96%	96%	96%	92%	90%	51
Nyamira	95%	61	100%	98%	96%	98%	100%	100%	77%	94%	58
Nyandarua	32%	57	100%	94%	100%	100%	100%	100%	94%	0%	20
Nyeri	17%	72	100%	100%	100%	100%	100%	100%	79%	0%	15
Samburu	77%	41	100%	100%	90%	90%	97%	97%	69%	7%	32
Siaya	78%	69	98%	98%	100%	98%	100%	100%	90%	85%	56
Taita taveta	65%	49	97%	100%	100%	100%	100%	100%	82%	93%	33
Tana river	56%	38	95%	100%	90%	95%	95%	100%	85%	100%	22
Tharaka-nithi	22%	55	92%	100%	100%	100%	100%	100%	100%	92%	14
Trans nzoia	43%	58	89%	91%	96%	90%	90%	100%	69%	64%	28
Turkana	56%	61	97%	100%	97%	100%	100%	100%	85%	20%	35
Uasin gishu	39%	62	100%	100%	96%	96%	100%	100%	82%	96%	26
Vihiga	77%	45	100%	100%	94%	94%	97%	97%	85%	91%	35
Wajir	73%	54	89%	89%	89%	83%	83%	89%	85%	3%	41
West pokot	74%	56	94%	96%	97%	97%	97%	100%	89%	92%	41
Facility type											
Secondary & tertiary hospitals	90%	20	100%	94%	100%	100%	100%	100%	94%	39%	18
Public primary hospitals	98%	307	98%	95%	100%	98%	98%	99%	92%	74%	300
Private/ngo/ fbo primary hospitals	93%	84	99%	95%	98%	99%	99%	100%	74%	47%	79
Health centres	89%	465	99%	95%	96%	96%	98%	99%	82%	59%	417
Dispensaries	52%	1261	96%	95%	97%	97%	97%	98%	88%	80%	709
Medical clinics	18%	790	94%	95%	85%	89%	93%	95%	54%	36%	159
Managing authority											
Government	65%	1658	97%	96%	98%	97%	97%	99%	89%	78%	1200
Ngo / fbo	46%	323	98%	86%	96%	96%	97%	98%	85%	66%	164
Private	32%	946	96%	96%	90%	92%	96%	97%	61%	36%	318
Urban/rural											
Urban	37%	873	98%	96%	94%	94%	97%	98%	74%	43%	392
Rural	56%	2054	97%	95%	96%	96%	97%	98%	84%	73%	1290
Total	**50%**	**2927**	**97%**	**95%**	**96%**	**96%**	**97%**	**98%**	**81%**	**66%**	**1682**

Annex Table 32: Percentage of facilities that have tracer items for postnatal care for mothers and newborns among facilities that provide both maternal and newborn postnatal care by county, facility type, managing authority and urban vs. rural location (N=2105), Kenya 2018

County	Postpartum exam area with visual and auditory privacy	OPD area or pharmacy: infant scale	OPD area or pharmacy: thermometer	OPD area or pharmacy: ITN for newborn	OPD area or pharmacy: chlorohexidine	OPD area or pharmacy: BGC vaccine	OPD area or pharmacy: Polio vaccine	OPD area or pharmacy: antibiotic for maternal sepsis	OPD area or pharmacy: gentamicin for newborn sepsis	Mean availability of items	All items	Total number of facilities
Baringo	93%	78%	96%	80%	47%	82%	82%	67%	50%	75%	24%	49
Bomet	88%	18%	84%	54%	57%	64%	64%	84%	51%	63%	4%	27
Bungoma	65%	41%	89%	82%	79%	76%	81%	53%	52%	69%	3%	51
Busia	92%	56%	80%	60%	70%	85%	85%	93%	92%	79%	19%	38
Elgeyo-marakwet	98%	13%	82%	43%	12%	52%	54%	65%	61%	53%	0%	43
Embu	100%	36%	81%	57%	22%	74%	74%	100%	88%	70%	0%	44
Garissa	49%	40%	94%	27%	58%	78%	78%	69%	62%	62%	3%	37
Homa bay	92%	15%	86%	53%	40%	75%	73%	83%	73%	66%	3%	67
Isiolo	87%	57%	91%	59%	76%	82%	82%	67%	56%	73%	6%	32
Kajiado	99%	55%	100%	55%	51%	53%	56%	73%	67%	68%	6%	33
Kakamega	84%	34%	89%	38%	68%	69%	71%	91%	91%	70%	11%	52
Kericho	55%	66%	94%	84%	54%	60%	60%	75%	70%	69%	7%	53
Kiambu	88%	54%	98%	18%	53%	37%	39%	94%	79%	62%	2%	58
Kilifi	92%	45%	97%	71%	85%	65%	62%	90%	81%	76%	10%	45
Kirinyaga	97%	48%	93%	47%	44%	81%	84%	87%	73%	73%	7%	32
Kisii	92%	25%	86%	61%	57%	80%	79%	74%	59%	68%	2%	64
Kisumu	79%	80%	91%	76%	43%	77%	77%	91%	82%	77%	18%	60
Kitui	85%	67%	87%	84%	64%	81%	81%	98%	91%	82%	33%	58
Kwale	85%	37%	97%	72%	66%	62%	65%	97%	95%	75%	14%	42
Laikipia	91%	86%	97%	0%	88%	85%	88%	91%	88%	79%	0%	39
Lamu	74%	49%	100%	89%	45%	60%	60%	89%	80%	72%	14%	24
Machakos	91%	63%	97%	62%	57%	53%	53%	90%	88%	73%	11%	51
Makueni	96%	16%	92%	32%	64%	57%	59%	100%	98%	68%	2%	60
Mandera	74%	85%	90%	11%	61%	51%	51%	79%	63%	63%	4%	32
Marsabit	93%	52%	99%	10%	95%	51%	51%	100%	94%	71%	2%	43
Meru	88%	49%	79%	35%	51%	73%	74%	87%	73%	68%	5%	44
Migori	75%	33%	90%	57%	50%	62%	70%	67%	58%	63%	0%	54
Mombasa	94%	64%	100%	61%	49%	28%	32%	89%	81%	67%	3%	41
Murang'a	73%	47%	97%	76%	52%	81%	84%	63%	53%	70%	9%	48
Nairobi	92%	50%	93%	1%	49%	52%	56%	91%	73%	62%	0%	69
Nakuru	97%	26%	87%	0%	70%	59%	61%	79%	70%	61%	0%	67
Nandi	87%	11%	68%	67%	44%	64%	64%	93%	72%	63%	6%	42
Narok	93%	55%	88%	77%	65%	51%	51%	100%	100%	75%	12%	45
Nyamira	68%	32%	77%	79%	51%	66%	66%	70%	51%	62%	2%	58
Nyandarua	99%	54%	97%	2%	64%	64%	71%	97%	90%	71%	2%	32
Nyeri	99%	63%	97%	0%	49%	68%	68%	93%	78%	69%	0%	41
Samburu	90%	63%	97%	0%	83%	35%	35%	85%	81%	63%	0%	36
Siaya	83%	40%	89%	66%	33%	69%	71%	72%	69%	66%	5%	52
Taita taveta	93%	77%	100%	78%	75%	75%	78%	93%	85%	84%	34%	39
Tana river	73%	43%	100%	38%	57%	52%	52%	60%	57%	59%	11%	20
Tharaka-nithi	100%	27%	93%	36%	63%	64%	71%	85%	78%	69%	8%	43
Trans nzoia	88%	43%	93%	66%	50%	68%	68%	87%	66%	70%	6%	37

County	Postpartum exam area with visual and auditory privacy	OPD area or pharmacy: infant scale	OPD area or pharmacy: thermometer	OPD area or pharmacy: ITN for newborn	OPD area or pharmacy: chlorohexidine	OPD area or pharmacy: BGC vaccine	OPD area or pharmacy: Polio vaccine	OPD area or pharmacy: antibiotic for maternal sepsis	OPD area or pharmacy: gentamicin for newborn sepsis	Mean availability of items	All items	Total number of facilities
Turkana	89%	50%	89%	21%	56%	35%	36%	80%	76%	59%	4%	48
Uasin gishu	84%	24%	92%	50%	46%	70%	75%	86%	73%	67%	0%	47
Vihiga	74%	20%	80%	60%	76%	73%	73%	83%	51%	66%	3%	38
Wajir	31%	65%	95%	0%	35%	51%	51%	59%	45%	48%	0%	35
West pokot	97%	71%	85%	76%	70%	69%	69%	97%	94%	81%	41%	35
Facility type												
Secondary & tertiary hospitals	100%	37%	95%	21%	95%	95%	89%	95%	84%	79%	5%	19
Public primary hospitals	82%	37%	85%	37%	72%	93%	95%	95%	84%	76%	9%	299
Private/ngo/ fbo primary hospitals	95%	49%	94%	32%	74%	57%	56%	99%	93%	72%	7%	75
Health centres	86%	48%	90%	41%	63%	66%	68%	89%	82%	70%	7%	398
Dispensaries	86%	47%	89%	60%	55%	73%	75%	79%	68%	70%	9%	1,010
Medical clinics	87%	43%	97%	17%	44%	29%	31%	90%	77%	57%	1%	304
Managing authority												
Government	85%	47%	87%	58%	59%	78%	79%	79%	69%	71%	9%	1,436
Ngo / fbo	94%	43%	96%	38%	52%	62%	66%	92%	86%	70%	7%	231
Private	88%	46%	96%	21%	52%	32%	33%	92%	81%	60%	2%	438
Urban/rural												
Urban	89%	51%	94%	24%	56%	48%	50%	91%	79%	65%	4%	512
Rural	86%	45%	90%	53%	56%	69%	70%	82%	73%	69%	8%	1,593
Total	**87%**	**46%**	**91%**	**45%**	**56%**	**63%**	**65%**	**85%**	**75%**	**68%**	**7%**	**2105**

Annex Table 33: Percentage of facilities that offer care for low birth weight and sick newborns services among facilities that provide delivery services by county, facility type, managing authority and urban vs. rural location (N=1682), Kenya 2018

County	Offers outpatient services for low birth-weight/ sick newborns	Kangaroo mother care	Services for newborns with sepsis ever provided	Alternative feeding for infants who cannot breastfeed	Oxygen services routinely available for sick newborns	Exchange transfusion blood services routinely available for sick newborns	Rehydration services routinely available for sick newborns	Incubator services routinely available for sick newborns	Radiant warmer services routinely available for sick newborns	Artificial ventilation services routinely available for sick newborns	Routine practices for managing probable newborn sepsis: Immediate referral to unit within the facility without providing any medicine	Routine practices for managing probable newborn sepsis: Immediate referral to unit outside the facility without providing any medicine	Routine practices for managing probable newborn sepsis: Provide one dose injectable antibiotic and then refer within the facility	Routine practices for managing probable newborn sepsis: Provide one dose injectable antibiotic and then refer outside the facility	Routine practices for managing probable newborn sepsis: Prescribe the full antibiotic regimen and follow up	Total number of facilities
Baringo	100%	43%	96%	20%	26%	1%	71%	15%	30%	5%	22%	0%	34%	0%	31%	31
Bomet	95%	26%	90%	16%	26%	6%	62%	28%	68%	31%	30%	0%	39%	0%	53%	20
Bungoma	98%	46%	95%	11%	14%	10%	77%	8%	30%	14%	33%	1%	44%	0%	49%	48
Busia	95%	40%	90%	24%	25%	0%	45%	10%	42%	37%	24%	0%	33%	0%	34%	42
Elgeyo-marakwet	100%	49%	100%	14%	55%	0%	76%	20%	86%	12%	13%	0%	51%	0%	17%	20
Embu	100%	51%	100%	43%	82%	0%	72%	53%	96%	35%	14%	0%	84%	0%	65%	12
Garissa	80%	54%	76%	35%	29%	6%	56%	13%	19%	7%	14%	0%	48%	0%	43%	34
Homa bay	91%	56%	91%	21%	18%	0%	77%	14%	10%	6%	11%	0%	83%	0%	46%	62
Isiolo	100%	88%	96%	68%	47%	0%	84%	22%	20%	13%	13%	0%	67%	0%	76%	25
Kajiado	97%	47%	92%	32%	48%	6%	72%	11%	41%	9%	22%	0%	57%	0%	42%	40
Kakamega	93%	54%	93%	19%	19%	1%	43%	11%	35%	10%	11%	0%	61%	0%	40%	55
Kericho	79%	36%	68%	25%	29%	0%	70%	19%	14%	35%	14%	1%	45%	0%	39%	28
Kiambu	100%	61%	95%	53%	84%	18%	78%	40%	84%	35%	2%	3%	43%	0%	60%	25
Kilifi	91%	56%	91%	38%	18%	5%	28%	6%	16%	17%	13%	0%	43%	0%	33%	47
Kirinyaga	94%	56%	89%	42%	55%	2%	31%	31%	43%	37%	41%	0%	31%	0%	22%	20
Kisii	81%	34%	79%	31%	23%	2%	72%	12%	30%	7%	27%	0%	26%	0%	37%	65
Kisumu	100%	90%	87%	55%	41%	8%	68%	20%	46%	38%	23%	2%	62%	0%	52%	51
Kitui	92%	42%	91%	29%	25%	0%	57%	8%	38%	14%	17%	0%	57%	0%	42%	48
Kwale	100%	57%	95%	7%	10%	0%	37%	7%	30%	27%	14%	0%	80%	0%	40%	44
Laikipia	96%	44%	96%	21%	41%	0%	48%	18%	29%	5%	88%	0%	94%	0%	91%	33
Lamu	95%	34%	95%	10%	23%	0%	8%	5%	18%	3%	12%	0%	90%	0%	52%	22
Machakos	97%	33%	94%	35%	37%	4%	40%	2%	30%	18%	24%	0%	43%	0%	46%	37
Makueni	63%	24%	55%	18%	9%	4%	24%	6%	11%	5%	15%	0%	34%	0%	16%	58
Mandera	95%	26%	93%	15%	21%	0%	93%	7%	10%	5%	11%	0%	38%	0%	31%	46
Marsabit	97%	53%	95%	33%	19%	0%	42%	8%	12%	9%	8%	0%	33%	0%	31%	41
Meru	84%	41%	81%	30%	62%	4%	58%	28%	58%	12%	22%	0%	64%	0%	33%	27

County	Offers outpatient services for low birth-weight/ sick newborns	Kangaroo mother care	Services for newborns with sepsis ever provided	Alternative feeding for infants who cannot breastfeed	Oxygen services routinely available for sick newborns	Exchange transfusion blood services routinely available for sick newborns	Rehydration services routinely available for sick newborns	Incubator services routinely available for sick newborns	Radiant warmer services routinely available for sick newborns	Artificial ventilation services routinely available for sick newborns	Routine practices for managing probable newborn sepsis: Immediate referral to unit within the facility without providing any medicine	Routine practices for managing probable newborn sepsis: Immediate referral to unit outside the facility without providing any medicine	Routine practices for managing probable newborn sepsis: Provide one dose injectable antibiotic and then refer within the facility	Routine practices for managing probable newborn sepsis: Provide one dose injectable antibiotic and then refer outside the facility	Routine practices for managing probable newborn sepsis: Prescribe the full antibiotic regimen and follow up	Total number of facilities
Migori	94%	48%	94%	12%	13%	3%	31%	4%	20%	8%	8%	0%	39%	2%	36%	57
Mombasa	92%	31%	83%	35%	55%	6%	67%	22%	33%	14%	13%	0%	74%	0%	36%	28
Murang'a	100%	52%	100%	44%	78%	0%	51%	16%	68%	10%	12%	0%	56%	0%	14%	15
Nairobi	100%	72%	97%	61%	90%	11%	83%	51%	83%	32%	19%	3%	58%	0%	76%	37
Nakuru	100%	65%	87%	38%	68%	4%	71%	34%	66%	23%	17%	0%	72%	0%	65%	41
Nandi	83%	17%	62%	24%	42%	0%	68%	21%	14%	0%	25%	0%	52%	0%	44%	16
Narok	92%	58%	85%	31%	25%	3%	73%	7%	15%	41%	7%	0%	13%	0%	27%	51
Nyamira	98%	11%	96%	6%	9%	0%	11%	1%	6%	3%	18%	0%	35%	4%	10%	58
Nyandarua	100%	27%	100%	11%	45%	4%	23%	6%	22%	6%	35%	0%	44%	0%	29%	20
Nyeri	100%	33%	100%	48%	74%	12%	30%	37%	26%	9%	26%	0%	69%	4%	34%	15
Samburu	100%	77%	100%	40%	67%	2%	97%	12%	36%	46%	49%	0%	82%	0%	74%	32
Siaya	98%	40%	94%	7%	17%	4%	54%	9%	26%	30%	18%	0%	53%	0%	47%	56
Taita taveta	97%	31%	97%	6%	20%	0%	42%	9%	34%	8%	8%	0%	60%	0%	20%	33
Tana river	95%	68%	81%	25%	27%	5%	66%	13%	22%	10%	22%	0%	34%	0%	20%	22
Tharaka-nithi	100%	73%	100%	36%	66%	12%	92%	54%	80%	27%	8%	0%	70%	0%	48%	14
Trans nzoia	91%	19%	91%	7%	22%	5%	39%	14%	30%	22%	10%	0%	51%	0%	52%	28
Turkana	97%	53%	94%	13%	23%	2%	78%	13%	9%	50%	8%	0%	59%	0%	62%	35
Uasin gishu	96%	74%	96%	30%	47%	24%	78%	30%	53%	38%	17%	0%	66%	5%	41%	26
Vihiga	85%	41%	78%	6%	15%	1%	29%	15%	34%	20%	20%	0%	22%	0%	32%	35
Wajir	86%	27%	68%	16%	16%	4%	72%	4%	2%	8%	19%	0%	45%	0%	45%	41
West pokot	80%	31%	63%	4%	5%	0%	68%	6%	3%	0%	26%	0%	33%	0%	29%	41
Facility type																
Secondary & tertiary hospitals	100%	94%	100%	100%	100%	67%	100%	100%	94%	83%	44%	0%	39%	6%	94%	18
Public primary hospitals	99%	72%	94%	50%	83%	12%	87%	58%	75%	34%	22%	1%	53%	0%	67%	300
Private/ngo/ fbo primary hospitals	100%	74%	100%	74%	94%	31%	94%	70%	80%	50%	19%	0%	48%	1%	80%	79
Health centres	95%	54%	92%	31%	47%	3%	68%	17%	45%	19%	19%	1%	57%	0%	44%	417
Dispensaries	91%	39%	86%	16%	9%	0%	43%	4%	17%	12%	18%	0%	48%	0%	33%	709

County	Offers outpatient services for low birth-weight/ sick newborns	Kangaroo mother care	Services for newborns with sepsis ever provided	Alternative feeding for infants who cannot breastfeed	Oxygen services routinely available for sick newborns	Exchange transfusion blood services routinely available for sick newborns	Rehydration services routinely available for sick newborns	Incubator services routinely available for sick newborns	Radiant warmer services routinely available for sick newborns	Artificial ventilation services routinely available for sick newborns	Routine practices for managing probable newborn sepsis: Immediate referral to unit within the facility without providing any medicine	Routine practices for managing probable newborn sepsis: Immediate referral to unit outside the facility without providing any medicine	Routine practices for managing probable newborn sepsis: Provide one dose injectable antibiotic and then refer within the facility	Routine practices for managing probable newborn sepsis: Provide one dose injectable antibiotic and then refer outside the facility	Routine practices for managing probable newborn sepsis: Prescribe the full antibiotic regimen and follow up	Total number of facilities
Medical clinics	88%	33%	81%	19%	35%	2%	49%	3%	17%	12%	15%	1%	50%	1%	38%	159
Managing authority																
Government	93%	46%	88%	19%	22%	1%	51%	11%	28%	15%	19%	0%	51%	0%	36%	1200
Ngo / fbo	93%	50%	89%	37%	48%	7%	70%	28%	39%	25%	16%	0%	54%	0%	54%	164
Private	93%	50%	89%	40%	56%	9%	67%	22%	43%	23%	19%	1%	51%	1%	51%	318
Urban/rural																
Urban	96%	57%	93%	47%	70%	13%	76%	37%	57%	29%	19%	1%	53%	0%	61%	392
Rural	92%	44%	87%	20%	22%	1%	51%	8%	25%	15%	18%	0%	51%	0%	36%	1290
Total	**93%**	**47%**	**88%**	**27%**	**34%**	**4%**	**57%**	**16%**	**33%**	**18%**	**18%**	**0%**	**51%**	**0%**	**42%**	**1682**

Annex Table 34: Percentage of facilities that have tracer items for care for low birth weight and sick newborns services among facilities that provide KMC by county, facility type, managing authority and urban vs. rural location (N=832), Kenya 2018

County	Bed for caregiver providing KMC	Register to record KMC	Mean availability of items	Percent of facilities with all items	Total number of facilities
Baringo	64%	0%	32%	0%	14
Bomet	32%	8%	20%	8%	6
Bungoma	67%	15%	41%	15%	25
Busia	66%	5%	35%	5%	19
Elgeyo-marakwet	26%	0%	13%	0%	9
Embu	68%	8%	38%	8%	8
Garissa	61%	0%	31%	0%	19
Homa bay	92%	6%	49%	6%	38
Isiolo	65%	0%	32%	0%	22
Kajiado	27%	0%	13%	0%	20
Kakamega	29%	3%	16%	3%	34
Kericho	75%	14%	44%	14%	11
Kiambu	36%	1%	19%	1%	15
Kilifi	51%	0%	25%	0%	27
Kirinyaga	39%	0%	19%	0%	12
Kisii	98%	13%	56%	13%	22
Kisumu	65%	6%	35%	6%	47
Kitui	27%	1%	14%	1%	25
Kwale	13%	0%	7%	0%	26
Laikipia	100%	0%	50%	0%	15
Lamu	22%	0%	11%	0%	8
Machakos	61%	0%	31%	0%	15
Makueni	56%	2%	29%	2%	18
Mandera	29%	0%	15%	0%	14
Marsabit	81%	0%	40%	0%	22
Meru	38%	0%	19%	0%	12
Migori	70%	6%	38%	2%	30
Mombasa	87%	3%	45%	3%	10
Murang'a	28%	4%	16%	4%	7
Nairobi	48%	3%	25%	3%	28
Nakuru	59%	6%	32%	6%	29
Nandi	33%	0%	16%	0%	4
Narok	17%	5%	11%	5%	30
Nyamira	37%	0%	19%	0%	6
Nyandarua	20%	32%	26%	14%	6
Nyeri	37%	0%	18%	0%	5
Samburu	75%	17%	46%	17%	25
Siaya	42%	0%	21%	0%	25

County	Bed for caregiver providing KMC	Register to record KMC	Mean availability of items	Percent of facilities with all items	Total number of facilities
Taita taveta	63%	0%	32%	0%	11
Tana river	43%	0%	21%	0%	15
Tharaka-nithi	52%	0%	26%	0%	11
Trans nzoia	31%	0%	15%	0%	7
Turkana	71%	5%	38%	5%	19
Uasin gishu	65%	13%	39%	8%	20
Vihiga	32%	3%	18%	3%	15
Wajir	42%	0%	21%	0%	13
West pokot	58%	0%	29%	0%	13
Facility type					
Secondary & tertiary hospitals	88%	53%	71%	53%	17
Public primary hospitals	67%	14%	40%	14%	215
Private/ngo/fbo primary hospitals	61%	6%	33%	6%	53
Health centres	53%	3%	28%	2%	212
Dispensaries	49%	1%	25%	1%	285
Medical clinics	49%	2%	25%	2%	50
Managing authority					
Government	53%	4%	29%	4%	609
Ngo / fbo	66%	5%	35%	5%	85
Private	49%	2%	25%	2%	138
Urban/rural					
Urban	57%	6%	31%	6%	227
Rural	52%	3%	28%	3%	605
Total	**53%**	**4%**	**29%**	**3%**	**832**

Annex Table 35: Percentage of facilities that offer child immunization services by county, facility type, managing authority and urban vs. rural location (N=2927), Kenya 2018

County	Offers child immunization services	Birth doses	Infant vaccines	Adolescent/adult vaccines	Child immunizations offered 5 days a week (Mon-Fri) in facility	Child immunizations offered daily in facility	Child immunizations offered weekly in facility	Child immunizations offered monthly in facility	Child immunizations offered quarterly in facility	Child immunizations offered other basis in facility	Child immunizations offered daily as outreach	Child immunizations offered weekly as outreach	Child immunizations offered monthly as outreach	Child immunizations offered quarterly as outreach	Child immunizations offered other basis as outreach	Total number of facilities
Baringo	78%	78%	78%	64%	71%	0%	7%	0%	0%	0%	0%	3%	14%	0%	16%	63
Bomet	82%	82%	82%	75%	52%	2%	16%	2%	0%	11%	5%	9%	12%	18%	5%	56
Bungoma	81%	78%	78%	76%	63%	6%	4%	0%	0%	5%	26%	4%	37%	1%	7%	67
Busia	76%	73%	73%	76%	66%	3%	2%	2%	0%	4%	2%	4%	35%	15%	7%	56
Elgeyo-marakwet	92%	92%	92%	92%	48%	2%	28%	4%	0%	10%	0%	0%	14%	2%	16%	53
Embu	63%	56%	56%	51%	51%	6%	0%	0%	0%	0%	6%	0%	1%	2%	0%	63
Garissa	58%	58%	58%	50%	52%	4%	2%	0%	0%	0%	0%	11%	44%	0%	0%	59
Homa bay	93%	93%	93%	89%	82%	2%	6%	0%	0%	3%	4%	8%	50%	14%	3%	74
Isiolo	87%	85%	85%	87%	80%	0%	0%	0%	0%	5%	18%	4%	31%	0%	5%	36
Kajiado	67%	66%	67%	56%	29%	10%	22%	0%	0%	6%	2%	3%	20%	6%	1%	67
Kakamega	69%	67%	67%	69%	57%	6%	3%	0%	0%	2%	7%	4%	47%	2%	0%	73
Kericho	91%	89%	91%	80%	40%	0%	35%	0%	0%	15%	0%	4%	7%	0%	13%	63
Kiambu	56%	44%	45%	55%	24%	9%	6%	0%	0%	9%	1%	1%	3%	0%	2%	86
Kilifi	63%	60%	60%	54%	45%	5%	9%	2%	0%	2%	0%	4%	31%	2%	4%	69
Kirinyaga	48%	46%	46%	46%	43%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	63
Kisii	82%	82%	82%	80%	68%	4%	3%	0%	0%	6%	1%	2%	40%	5%	12%	75
Kisumu	76%	73%	75%	71%	64%	6%	5%	0%	0%	0%	29%	2%	21%	8%	1%	73
Kitui	74%	74%	74%	65%	62%	7%	3%	0%	0%	2%	14%	3%	26%	5%	7%	75
Kwale	80%	75%	75%	67%	59%	0%	16%	2%	0%	2%	12%	24%	21%	0%	8%	54
Laikipia	70%	66%	68%	68%	52%	7%	9%	0%	0%	0%	9%	0%	22%	20%	0%	58
Lamu	66%	66%	66%	60%	39%	0%	12%	12%	0%	3%	6%	9%	5%	14%	5%	34
Machakos	71%	70%	70%	59%	34%	13%	19%	0%	0%	4%	10%	3%	5%	5%	5%	71
Makueni	80%	77%	77%	80%	61%	5%	8%	2%	0%	2%	5%	2%	12%	5%	2%	73
Mandera	68%	68%	68%	64%	29%	6%	29%	0%	0%	4%	0%	14%	25%	3%	1%	54
Marsabit	83%	83%	83%	71%	42%	2%	34%	2%	0%	2%	1%	15%	41%	0%	1%	48
Meru	49%	48%	48%	34%	37%	5%	2%	1%	0%	3%	4%	0%	8%	6%	5%	83
Migori	79%	79%	79%	74%	70%	0%	5%	2%	0%	2%	10%	5%	25%	9%	8%	69
Mombasa	48%	40%	45%	45%	11%	3%	11%	0%	0%	21%	1%	3%	0%	8%	8%	70
Murang'a	58%	58%	58%	58%	47%	9%	0%	0%	0%	2%	3%	0%	0%	0%	0%	67
Nairobi	79%	67%	69%	77%	20%	9%	26%	0%	0%	17%	1%	4%	2%	6%	5%	89
Nakuru	72%	72%	72%	67%	44%	4%	11%	0%	0%	13%	11%	0%	13%	6%	8%	87
Nandi	76%	74%	74%	74%	46%	1%	10%	0%	0%	17%	2%	2%	32%	0%	28%	62

County	Offers child immunization services	Birth doses	Infant vaccines	Adolescent/adult vaccines	Child immunizations offered 5 days a week (Mon-Fri) in facility	Child immunizations offered daily in facility	Child immunizations offered weekly in facility	Child immunizations offered monthly in facility	Child immunizations offered quarterly in facility	Child immunizations offered other basis in facility	Child immunizations offered daily as outreach	Child immunizations offered weekly as outreach	Child immunizations offered monthly as outreach	Child immunizations offered quarterly as outreach	Child immunizations offered other basis as outreach	Total number of facilities
Narok	90%	90%	90%	86%	56%	2%	21%	0%	0%	11%	7%	5%	53%	4%	0%	59
Nyamira	92%	92%	92%	88%	62%	1%	18%	2%	0%	9%	0%	4%	49%	9%	6%	61
Nyandarua	50%	45%	50%	47%	46%	4%	0%	0%	0%	0%	4%	2%	23%	0%	0%	57
Nyeri	48%	43%	43%	46%	38%	4%	0%	0%	0%	6%	4%	1%	1%	0%	2%	72
Samburu	75%	75%	75%	67%	27%	0%	33%	13%	0%	3%	0%	6%	39%	15%	9%	41
Siaya	76%	76%	76%	74%	59%	3%	8%	0%	0%	5%	1%	6%	46%	12%	0%	69
Taita taveta	72%	70%	70%	52%	61%	4%	2%	4%	0%	0%	25%	0%	15%	2%	3%	49
Tana river	78%	78%	78%	64%	56%	3%	8%	0%	0%	11%	12%	18%	19%	0%	18%	38
Tharaka-nithi	72%	70%	70%	68%	60%	1%	0%	0%	0%	9%	15%	2%	8%	3%	0%	55
Trans nzoia	80%	79%	79%	71%	43%	2%	33%	0%	0%	2%	21%	11%	22%	2%	4%	58
Turkana	77%	77%	77%	59%	41%	6%	23%	7%	0%	0%	9%	10%	31%	0%	0%	61
Uasin gishu	85%	85%	85%	56%	62%	7%	12%	0%	0%	3%	12%	2%	15%	12%	7%	62
Vihiga	86%	86%	86%	84%	70%	9%	2%	2%	0%	2%	3%	11%	37%	7%	2%	45
Wajir	73%	73%	71%	64%	50%	10%	4%	8%	0%	0%	9%	4%	42%	10%	0%	54
West pokot	85%	81%	81%	79%	39%	16%	22%	2%	0%	4%	9%	17%	34%	0%	4%	56
Facility type																
Secondary & tertiary hospitals	95%	95%	95%	90%	40%	40%	5%	5%	0%	5%	10%	5%	15%	0%	5%	20
Public primary hospitals	98%	98%	98%	92%	80%	16%	1%	0%	0%	1%	15%	5%	37%	7%	7%	307
Private/ngo/ fbo primary hospitals	83%	79%	80%	77%	41%	9%	15%	0%	0%	16%	4%	3%	7%	2%	6%	84
Health centres	86%	84%	84%	79%	61%	5%	14%	0%	0%	5%	7%	5%	30%	6%	5%	465
Dispensaries	89%	89%	89%	80%	67%	4%	11%	1%	0%	6%	8%	5%	28%	7%	6%	1261
Medical clinics	36%	29%	30%	33%	10%	6%	9%	1%	0%	6%	2%	2%	2%	1%	2%	790
Managing authority																
Government	92%	92%	92%	84%	73%	4%	10%	1%	0%	3%	9%	5%	35%	8%	6%	1658
Ngo / fbo	79%	76%	78%	72%	50%	3%	11%	1%	0%	12%	8%	5%	11%	5%	6%	323
Private	42%	36%	37%	39%	13%	7%	12%	0%	0%	7%	2%	2%	3%	1%	3%	946
Urban/rural																
Urban	54%	48%	49%	50%	24%	6%	12%	0%	0%	8%	3%	2%	6%	3%	4%	873
Rural	80%	78%	78%	72%	58%	5%	10%	1%	0%	5%	8%	5%	26%	5%	5%	2054
Total	**71%**	**68%**	**69%**	**65%**	**47%**	**5%**	**11%**	**1%**	**0%**	**6%**	**6%**	**4%**	**19%**	**5%**	**5%**	**2927**

Annex Table 36: Percentage of facilities that have tracer items for child immunization services among facilities that provide this service by county, facility type, managing authority and urban vs. rural location (N=2192), Kenya 2018

County	Cold box with ice packs	Refrigerator	Sharps container	Auto-disable syringes	Temperature monitoring device in refrigerator	Adequate refrigerator temperature	Immunization cards	Immunization tally sheets	Measles vaccine	DPT-HiB+HepB vaccine	Oral polio vaccine	BCG vaccine	Rotavirus vaccine*	Pneumococcal vaccine*	IPV (Inactivated Poliovirus Vaccine)*	HPV (Human Papillomavirus) vaccine*	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Baringo	100%	96%	98%	78%	98%	76%	96%	98%	85%	85%	85%	84%	85%	85%	82%	2%	2%	83%	50
Bomet	96%	91%	98%	82%	91%	69%	89%	96%	56%	59%	59%	56%	59%	54%	56%	2%	0%	70%	48
Bungoma	95%	88%	98%	98%	85%	74%	94%	94%	77%	77%	77%	72%	77%	69%	75%	3%	3%	78%	55
Busia	97%	87%	91%	92%	87%	73%	94%	97%	85%	85%	85%	85%	85%	85%	85%	3%	3%	82%	41
Elgeyo-marakwet	98%	94%	100%	93%	94%	47%	94%	89%	47%	49%	49%	47%	49%	49%	49%	0%	0%	66%	49
Embu	95%	83%	96%	60%	83%	39%	91%	88%	65%	83%	86%	86%	86%	85%	86%	0%	0%	76%	41
Garissa	100%	93%	100%	97%	93%	82%	97%	100%	84%	84%	84%	84%	84%	84%	84%	9%	4%	85%	36
Homa bay	97%	88%	97%	84%	88%	59%	97%	96%	75%	75%	73%	75%	75%	75%	75%	2%	0%	77%	70
Isiolo	97%	97%	100%	97%	97%	83%	100%	97%	74%	85%	85%	85%	85%	85%	85%	10%	10%	85%	31
Kajiado	80%	98%	98%	81%	98%	57%	75%	80%	55%	65%	65%	62%	65%	60%	62%	4%	0%	69%	46
Kakamega	95%	93%	95%	89%	91%	66%	95%	95%	75%	82%	82%	79%	82%	79%	82%	14%	2%	81%	54
Kericho	94%	85%	100%	50%	83%	71%	98%	100%	58%	58%	58%	58%	58%	57%	58%	4%	4%	68%	58
Kiambu	80%	77%	100%	73%	77%	60%	70%	73%	44%	47%	47%	45%	47%	44%	49%	2%	2%	58%	52
Kilifi	92%	86%	98%	88%	86%	69%	93%	98%	71%	74%	74%	76%	66%	71%	64%	3%	3%	76%	44
Kirinyaga	93%	97%	100%	89%	97%	93%	93%	89%	89%	97%	97%	93%	97%	97%	97%	4%	0%	89%	30
Kisii	93%	90%	100%	98%	90%	77%	96%	97%	87%	87%	86%	86%	87%	87%	87%	2%	0%	84%	63
Kisumu	98%	94%	98%	89%	96%	53%	98%	96%	85%	85%	87%	84%	87%	87%	87%	13%	8%	83%	58
Kitui	89%	87%	98%	96%	93%	57%	87%	98%	88%	88%	89%	89%	90%	86%	88%	13%	8%	84%	58
Kwale	93%	81%	100%	98%	81%	51%	91%	93%	67%	67%	69%	67%	67%	62%	59%	10%	7%	72%	44
Laikipia	86%	92%	97%	96%	92%	89%	95%	89%	87%	84%	87%	81%	84%	84%	84%	6%	6%	83%	42
Lamu	91%	86%	100%	100%	91%	82%	100%	100%	68%	68%	68%	68%	68%	68%	68%	23%	18%	78%	23
Machakos	96%	88%	96%	74%	83%	59%	90%	98%	53%	57%	57%	57%	57%	55%	57%	2%	0%	67%	51

County	Cold box with ice packs	Refrigerator	Sharps container	Auto-disable syringes	Temperature monitoring device in refrigerator	Adequate refrigerator temperature	Immunization cards	Immunization tally sheets	Measles vaccine	DPT-HiB+HepB vaccine	Oral polio vaccine	BCG vaccine	Rotavirus vaccine*	Pneumococcal vaccine*	IPV (Inactivated Poliovirus Vaccine)*	HPV (Human Papillomavirus) vaccine*	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Makueni	90%	80%	98%	87%	78%	42%	94%	96%	63%	63%	61%	59%	63%	61%	63%	4%	2%	69%	60
Mandera	88%	97%	100%	88%	88%	58%	83%	88%	59%	59%	59%	59%	57%	59%	57%	0%	0%	69%	38
Marsabit	100%	94%	100%	87%	94%	85%	100%	100%	52%	55%	55%	55%	52%	55%	55%	9%	9%	72%	40
Meru	91%	80%	97%	91%	80%	60%	90%	93%	70%	79%	81%	79%	82%	78%	81%	3%	3%	77%	47
Migori	99%	88%	94%	77%	91%	48%	96%	98%	60%	69%	71%	64%	71%	72%	69%	0%	0%	73%	56
Mombasa	90%	84%	100%	93%	84%	69%	87%	84%	38%	38%	38%	32%	35%	37%	38%	1%	1%	59%	36
Murang'a	100%	100%	100%	72%	100%	72%	94%	97%	100%	100%	100%	97%	100%	100%	100%	3%	0%	90%	41
Nairobi	95%	86%	98%	78%	82%	52%	89%	82%	51%	56%	56%	53%	53%	56%	56%	7%	5%	65%	73
Nakuru	100%	94%	100%	81%	96%	65%	98%	100%	65%	68%	68%	66%	68%	65%	68%	7%	5%	76%	66
Nandi	97%	97%	98%	100%	93%	69%	94%	97%	66%	66%	66%	66%	66%	66%	66%	2%	2%	76%	50
Narok	100%	94%	100%	98%	96%	62%	92%	98%	52%	57%	55%	51%	57%	53%	57%	2%	2%	70%	53
Nyamira	98%	85%	98%	50%	86%	66%	98%	100%	63%	69%	69%	69%	69%	69%	69%	0%	0%	73%	57
Nyandarua	100%	100%	100%	88%	100%	96%	100%	100%	90%	97%	93%	86%	97%	86%	89%	10%	7%	89%	30
Nyeri	91%	91%	94%	66%	91%	77%	85%	87%	67%	85%	85%	85%	85%	85%	82%	0%	0%	78%	36
Samburu	100%	83%	100%	100%	97%	69%	93%	100%	41%	41%	41%	41%	37%	41%	41%	5%	5%	64%	31
Siaya	98%	92%	98%	79%	94%	59%	98%	98%	66%	72%	70%	70%	72%	70%	72%	2%	2%	76%	54
Taita taveta	100%	91%	100%	100%	91%	55%	94%	100%	82%	91%	91%	88%	91%	91%	91%	0%	0%	85%	36
Tana river	97%	86%	100%	90%	90%	51%	90%	97%	51%	55%	55%	51%	55%	48%	51%	0%	0%	66%	30
Tharaka-nithi	95%	84%	97%	97%	81%	71%	92%	95%	47%	84%	84%	71%	82%	84%	84%	0%	0%	78%	40
Trans nzoia	81%	74%	98%	93%	74%	36%	91%	93%	53%	56%	56%	56%	46%	56%	51%	2%	0%	63%	48
Turkana	100%	93%	98%	89%	93%	75%	91%	100%	39%	41%	41%	39%	41%	39%	39%	3%	3%	64%	47
Uasin gishu	98%	94%	100%	78%	94%	73%	92%	98%	78%	82%	82%	78%	80%	82%	80%	4%	2%	81%	53
Vihiga	87%	95%	100%	51%	95%	49%	87%	92%	71%	76%	76%	76%	76%	71%	76%	7%	1%	74%	39
Wajir	97%	86%	100%	94%	86%	68%	94%	97%	58%	52%	52%	60%	55%	52%	52%	3%	3%	69%	40
West pokot	100%	82%	98%	86%	80%	44%	89%	93%	64%	64%	64%	64%	62%	64%	60%	5%	0%	70%	47

County	Cold box with ice packs	Refrigerator	Sharps container	Auto-disable syringes	Temperature monitoring device in refrigerator	Adequate refrigerator temperature	Immunization cards	Immunization tally sheets	Measles vaccine	DPT-HiB+HepB vaccine	Oral polio vaccine	BCG vaccine	Rotavirus vaccine*	Pneumococcal vaccine*	IPV (Inactivated Poliovirus Vaccine)*	HPV (Human Papillomavirus) vaccine*	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Facility type																			
Secondary & tertiary hospitals	100%	100%	100%	79%	100%	68%	100%	100%	89%	95%	89%	95%	95%	95%	95%	21%	11%	89%	19
Public primary hospitals	100%	99%	99%	90%	99%	78%	99%	100%	93%	96%	96%	94%	96%	94%	97%	2%	2%	90%	302
Private/ngo/ fbo primary hospitals	97%	90%	97%	89%	90%	67%	93%	89%	59%	64%	63%	63%	64%	63%	63%	3%	2%	72%	72
Health centres	94%	94%	98%	83%	92%	68%	93%	93%	71%	73%	73%	71%	72%	72%	73%	5%	3%	77%	405
Dispensaries	97%	90%	98%	85%	91%	65%	94%	98%	70%	74%	74%	73%	74%	73%	73%	4%	3%	77%	1142
Medical clinics	83%	74%	97%	77%	72%	46%	77%	76%	40%	43%	43%	39%	42%	42%	43%	5%	2%	56%	252
Managing authority																			
Government	98%	91%	99%	86%	92%	67%	95%	99%	76%	79%	80%	78%	79%	78%	79%	4%	3%	80%	1561
Ngo / fbo	96%	91%	98%	86%	90%	66%	93%	95%	58%	65%	65%	61%	66%	64%	64%	5%	3%	73%	258
Private	84%	80%	95%	76%	77%	50%	82%	79%	43%	45%	45%	43%	44%	44%	45%	4%	2%	58%	373
Urban/rural																			
Urban	89%	86%	97%	78%	84%	59%	88%	85%	56%	59%	59%	56%	59%	59%	60%	5%	3%	67%	487
Rural	96%	89%	99%	85%	90%	64%	93%	96%	69%	73%	73%	71%	72%	71%	72%	4%	3%	76%	1705
Total	**94%**	**89%**	**98%**	**84%**	**88%**	**63%**	**92%**	**93%**	**65%**	**69%**	**69%**	**68%**	**69%**	**68%**	**69%**	**4%**	**3%**	**74%**	**2192**

Annex Table 37: Percentage of facilities offering key child preventive and curative care services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Offers preventive and curative care for U-5s	Diagnosis/ treat malnutrition	Vitamin A supplementation	Iron supplementation	ORS and zinc supplementation to children with diarrhea	Child growth monitoring	Treatment of pneumonia	Administration of amoxicillin for the treatment of pneumonia in children	Treatment of malaria in children	Total number of facilities
Baringo	95%	51%	88%	35%	88%	87%	88%	90%	93%	63
Bomet	85%	53%	82%	36%	75%	78%	74%	71%	72%	56
Bungoma	86%	80%	83%	66%	84%	81%	75%	81%	86%	67
Busia	88%	55%	76%	52%	88%	86%	82%	78%	86%	56
Elgeyo-marakwet	100%	78%	88%	11%	98%	96%	98%	59%	95%	53
Embu	97%	66%	71%	49%	86%	84%	95%	84%	76%	63
Garissa	81%	52%	60%	59%	75%	58%	77%	77%	72%	59
Homa bay	95%	85%	93%	84%	95%	95%	92%	92%	95%	74
Isiolo	95%	78%	85%	81%	88%	85%	95%	93%	84%	36
Kajiado	86%	57%	72%	59%	69%	71%	73%	62%	64%	67
Kakamega	87%	65%	71%	54%	84%	69%	83%	82%	87%	73
Kericho	96%	73%	87%	63%	91%	93%	91%	91%	96%	63
Kiambu	89%	64%	64%	57%	79%	69%	80%	75%	72%	86
Kilifi	88%	53%	64%	55%	85%	78%	73%	65%	82%	69
Kirinyaga	89%	32%	53%	45%	81%	73%	84%	66%	66%	63
Kisii	94%	76%	79%	63%	87%	86%	91%	85%	89%	75
Kisumu	83%	66%	76%	57%	76%	81%	73%	68%	79%	73
Kitui	95%	62%	85%	54%	87%	83%	81%	81%	59%	75
Kwale	96%	79%	79%	74%	90%	79%	93%	89%	93%	54
Laikipia	89%	82%	65%	78%	78%	74%	85%	84%	78%	58
Lamu	97%	75%	72%	58%	82%	72%	92%	81%	73%	34
Machakos	90%	59%	70%	42%	89%	77%	76%	76%	78%	71
Makueni	89%	52%	83%	45%	82%	85%	77%	75%	77%	73
Mandera	94%	55%	59%	71%	78%	56%	94%	78%	74%	54
Marsabit	91%	83%	85%	61%	82%	85%	85%	87%	85%	48
Meru	70%	42%	43%	31%	61%	49%	58%	50%	50%	83
Migori	94%	48%	81%	50%	76%	82%	80%	76%	90%	69
Mombasa	86%	67%	52%	82%	76%	65%	83%	38%	81%	70
Murang'a	98%	66%	77%	71%	94%	84%	97%	92%	87%	67
Nairobi	91%	77%	78%	78%	86%	84%	87%	55%	84%	89
Nakuru	83%	70%	75%	62%	83%	79%	79%	74%	70%	87
Nandi	93%	77%	76%	76%	88%	78%	93%	91%	93%	62
Narok	97%	86%	91%	72%	95%	91%	90%	83%	90%	59

County	Offers preventive and curative care for U-5s	Diagnosis/ treat malnutrition	Vitamin A supplementation	Iron supplementation	ORS and zinc supplementation to children with diarrhea	Child growth monitoring	Treatment of pneumonia	Administration of amoxicillin for the treatment of pneumonia in children	Treatment of malaria in children	Total number of facilities
Nyamira	94%	62%	88%	24%	90%	94%	88%	91%	83%	61
Nyandarua	98%	76%	67%	53%	96%	80%	96%	75%	82%	57
Nyeri	88%	47%	62%	41%	79%	69%	76%	76%	70%	72
Samburu	92%	80%	77%	52%	92%	82%	90%	90%	92%	41
Siaya	80%	66%	76%	67%	79%	76%	78%	74%	80%	69
Taita taveta	87%	67%	79%	60%	85%	85%	76%	64%	87%	49
Tana river	92%	73%	72%	30%	89%	83%	68%	63%	82%	38
Tharaka-nithi	98%	81%	87%	40%	89%	93%	94%	92%	87%	55
Trans nzoia	82%	37%	79%	38%	77%	77%	69%	71%	81%	58
Turkana	87%	80%	85%	40%	83%	85%	75%	83%	87%	61
Uasin gishu	93%	56%	86%	48%	85%	86%	91%	86%	88%	62
Vihiga	93%	64%	89%	48%	93%	91%	84%	73%	93%	45
Wajir	86%	63%	69%	46%	54%	69%	82%	78%	63%	54
West pokot	92%	70%	83%	67%	86%	77%	92%	92%	88%	56
Facility type										
Secondary & tertiary hospitals	95%	90%	95%	90%	90%	95%	90%	90%	90%	20
Public primary hospitals	99%	93%	98%	82%	93%	98%	94%	89%	93%	307
Private/ngo/ fbo primary hospitals	92%	81%	79%	79%	85%	87%	83%	69%	82%	84
Health centres	96%	76%	85%	71%	91%	88%	92%	80%	89%	465
Dispensaries	96%	74%	91%	53%	92%	92%	89%	86%	86%	1261
Medical clinics	76%	41%	43%	47%	65%	51%	67%	56%	64%	790
Managing authority										
Government	98%	79%	93%	58%	93%	94%	91%	88%	87%	1658
Ngo / fbo	89%	70%	81%	60%	85%	85%	82%	76%	81%	323
Private	79%	45%	48%	52%	70%	56%	71%	59%	69%	946
Urban/rural										
Urban	79%	54%	56%	60%	71%	63%	73%	59%	72%	873
Rural	94%	69%	83%	54%	89%	86%	87%	83%	83%	2054
Total	**89%**	**64%**	**74%**	**56%**	**83%**	**78%**	**82%**	**75%**	**79%**	**2927**

Annex Table 38: Percentage of facilities that have tracer items for curative and preventive child health services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2659), Kenya 2018

County	Child and infant scale	Length/height measuring equipment	Thermometer	Stethoscope	Growth chart	Haemoglobin	Test parasite in stool	Malaria diagnostic capacity	ORS packet	Amoxicillin syrup/ suspension	Co-trimoxaxole syrup/suspension	Paracetamol syrup/ suspension	Vitamin A capsules	Me-/albendazole cap/ tab	Zinc tablets or syrup	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Baringo	57%	87%	96%	95%	0%	13%	4%	73%	91%	72%	73%	95%	95%	95%	89%	2%	74%	60
Bomet	18%	54%	92%	96%	0%	9%	20%	67%	95%	19%	89%	100%	90%	93%	88%	2%	66%	49
Bungoma	27%	46%	87%	89%	0%	39%	14%	94%	73%	38%	24%	62%	68%	69%	71%	2%	57%	58
Busia	34%	42%	84%	87%	0%	18%	17%	96%	97%	57%	34%	88%	88%	87%	97%	0%	66%	49
Elgeyo-marakwet	12%	65%	82%	93%	0%	25%	15%	51%	96%	54%	66%	88%	59%	65%	93%	0%	62%	53
Embu	0%	38%	85%	94%	0%	45%	36%	69%	90%	61%	89%	98%	64%	98%	86%	0%	68%	61
Garissa	24%	60%	84%	93%	0%	54%	29%	84%	66%	40%	48%	73%	60%	80%	78%	1%	62%	49
Homa bay	12%	59%	86%	88%	0%	20%	26%	96%	91%	59%	83%	96%	69%	93%	95%	0%	69%	71
Isiolo	30%	73%	94%	97%	0%	31%	17%	70%	97%	53%	83%	80%	88%	94%	100%	3%	72%	34
Kajiado	44%	63%	93%	96%	0%	32%	28%	72%	79%	59%	63%	82%	72%	78%	75%	4%	67%	58
Kakamega	22%	57%	90%	91%	0%	20%	9%	91%	82%	40%	72%	89%	75%	85%	80%	0%	64%	65
Kericho	50%	57%	91%	96%	0%	32%	13%	82%	80%	65%	71%	87%	75%	89%	80%	1%	69%	61
Kiambu	27%	49%	97%	99%	0%	51%	42%	79%	90%	60%	76%	92%	59%	89%	88%	2%	71%	77
Kilifi	37%	70%	98%	95%	0%	32%	20%	95%	80%	67%	69%	88%	64%	88%	83%	3%	70%	61
Kirinyaga	2%	30%	91%	96%	0%	26%	35%	58%	77%	59%	61%	86%	57%	87%	80%	0%	60%	56
Kisii	20%	32%	83%	97%	0%	26%	21%	71%	79%	57%	58%	88%	71%	86%	90%	0%	63%	71
Kisumu	78%	81%	92%	95%	0%	35%	28%	98%	84%	50%	76%	91%	75%	91%	81%	5%	76%	62
Kitui	30%	65%	88%	86%	0%	18%	7%	37%	98%	57%	74%	97%	86%	98%	95%	0%	67%	72
Kwale	33%	77%	96%	100%	0%	43%	5%	96%	88%	69%	90%	98%	81%	96%	92%	3%	76%	52
Laikipia	75%	82%	98%	98%	0%	21%	26%	75%	87%	63%	83%	94%	79%	96%	87%	8%	76%	52
Lamu	41%	63%	100%	97%	0%	13%	14%	65%	90%	47%	65%	87%	65%	90%	82%	0%	66%	33
Machakos	56%	63%	98%	100%	0%	24%	16%	77%	75%	70%	84%	92%	67%	82%	77%	4%	70%	64
Makueni	11%	54%	93%	93%	0%	22%	25%	93%	93%	68%	86%	95%	84%	95%	91%	0%	72%	66
Mandera	4%	71%	90%	98%	0%	31%	17%	60%	87%	77%	87%	92%	73%	98%	87%	0%	69%	51

County	Child and infant scale	Length/height measuring equipment	Thermometer	Stethoscope	Growth chart	Haemoglobin	Test parasite in stool	Malaria diagnostic capacity	ORS packet	Amoxicillin syrup/ suspension	Co-trimoxaxole syrup/suspension	Paracetamol syrup/ suspension	Vitamin A capsules	Me-/albendazole cap/ tab	Zinc tablets or syrup	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Marsabit	34%	94%	99%	99%	0%	16%	7%	72%	95%	72%	88%	100%	94%	100%	100%	3%	76%	44
Meru	23%	38%	82%	90%	0%	28%	7%	33%	75%	40%	59%	88%	63%	83%	75%	0%	56%	61
Migori	21%	43%	92%	96%	0%	15%	6%	91%	81%	48%	69%	87%	71%	89%	67%	0%	63%	65
Mombasa	48%	63%	100%	95%	0%	43%	26%	96%	79%	57%	75%	82%	46%	86%	75%	5%	69%	61
Murang'a	16%	54%	98%	98%	0%	23%	31%	62%	95%	73%	92%	100%	67%	93%	89%	1%	71%	66
Nairobi	33%	83%	93%	97%	0%	63%	23%	77%	88%	73%	70%	93%	70%	96%	86%	2%	75%	82
Nakuru	20%	57%	87%	98%	0%	49%	44%	85%	85%	59%	76%	83%	77%	84%	89%	3%	71%	75
Nandi	0%	47%	69%	87%	0%	24%	11%	77%	78%	40%	85%	92%	74%	88%	92%	0%	62%	58
Narok	46%	75%	87%	94%	0%	9%	13%	71%	100%	79%	95%	98%	89%	70%	74%	0%	71%	57
Nyamira	7%	61%	77%	98%	0%	14%	21%	34%	86%	57%	65%	76%	77%	74%	88%	0%	60%	58
Nyandarua	37%	37%	98%	98%	0%	26%	33%	77%	94%	74%	83%	96%	64%	96%	91%	7%	72%	56
Nyeri	37%	33%	97%	98%	0%	30%	21%	54%	83%	76%	81%	93%	63%	94%	80%	2%	67%	64
Samburu	54%	79%	97%	100%	0%	13%	11%	89%	86%	67%	86%	84%	78%	86%	86%	0%	73%	38
Siaya	37%	81%	87%	87%	0%	25%	25%	94%	65%	32%	61%	63%	63%	80%	60%	0%	61%	57
Taita taveta	71%	69%	100%	95%	0%	29%	24%	53%	100%	79%	95%	98%	88%	100%	80%	8%	77%	43
Tana river	42%	86%	94%	97%	0%	9%	0%	84%	92%	37%	41%	51%	70%	94%	92%	0%	64%	35
Tharaka-nithi	10%	39%	90%	94%	0%	17%	18%	75%	85%	94%	71%	100%	86%	100%	92%	0%	69%	54
Trans nzoia	29%	26%	93%	95%	0%	22%	16%	56%	79%	30%	31%	82%	74%	64%	64%	0%	54%	49
Turkana	48%	88%	90%	88%	0%	8%	5%	96%	92%	76%	65%	77%	90%	90%	92%	4%	72%	53
Uasin gishu	17%	35%	90%	93%	0%	20%	18%	77%	89%	58%	60%	83%	85%	77%	89%	0%	64%	58
Vihiga	12%	43%	79%	96%	0%	21%	17%	95%	84%	39%	89%	92%	78%	92%	87%	0%	66%	42
Wajir	52%	81%	92%	95%	0%	23%	12%	90%	86%	48%	35%	66%	83%	74%	93%	2%	66%	47
West pokot	44%	84%	84%	90%	0%	13%	5%	85%	90%	60%	70%	91%	81%	91%	90%	0%	70%	51
Facility type																		
Secondary & tertiary hospitals	32%	74%	95%	95%	0%	95%	74%	79%	100%	89%	95%	100%	79%	95%	100%	21%	86%	19

County	Child and infant scale	Length/height measuring equipment	Thermometer	Stethoscope	Growth chart	Haemoglobin	Test parasite in stool	Malaria diagnostic capacity	ORS packet	Amoxicillin syrup/ suspension	Co-trimoxaxole syrup/suspension	Paracetamol syrup/ suspension	Vitamin A capsules	Me-/albendazole cap/ tab	Zinc tablets or syrup	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Public primary hospitals	29%	67%	85%	93%	0%	73%	52%	85%	92%	74%	84%	98%	87%	97%	93%	6%	79%	304
Private/ngo/ fbo primary hospitals	40%	75%	94%	94%	0%	89%	67%	92%	98%	76%	87%	99%	58%	96%	98%	7%	83%	78
Health centres	35%	66%	90%	98%	0%	46%	30%	83%	89%	60%	74%	90%	80%	91%	90%	3%	73%	448
Dispensaries	33%	66%	89%	93%	0%	15%	11%	73%	87%	56%	71%	89%	85%	88%	88%	0%	67%	1224
Medical clinics	22%	39%	95%	97%	0%	32%	22%	73%	79%	63%	69%	86%	47%	83%	72%	1%	63%	586
Managing authority																		
Government	34%	68%	87%	92%	0%	19%	15%	75%	87%	54%	70%	88%	86%	89%	88%	1%	68%	1626
Ngo / fbo	28%	62%	96%	97%	0%	45%	34%	81%	89%	71%	79%	92%	79%	92%	91%	2%	74%	293
Private	26%	44%	95%	97%	0%	40%	26%	75%	82%	65%	72%	88%	50%	86%	77%	2%	66%	740
Urban/rural																		
Urban	31%	60%	93%	97%	0%	52%	33%	79%	82%	65%	69%	88%	59%	88%	80%	3%	70%	700
Rural	30%	59%	90%	94%	0%	21%	16%	74%	87%	57%	73%	89%	78%	88%	87%	1%	67%	1959
Total	**31%**	**59%**	**91%**	**95%**	**0%**	**30%**	**21%**	**76%**	**86%**	**60%**	**72%**	**89%**	**72%**	**88%**	**85%**	**2%**	**68%**	**2659**

Annex Table 39: Percentage of facilities that have essential medicines for children observed in stock and valid by county, facility type, managing authority and urban vs. rural location (N=2927), Kenya 2018

County	Amoxicillin syrup/ suspension/dispersible tablet	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc sulphate tablets or syrup	Artemisinin combination therapy (ACT)	Artesunate rectal or injectable forms	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/ suspension	Mean availability of tracer items	Total number of facilities
Baringo	68%	3%	46%	47%	15%	90%	88%	80%	44%	90%	1%	93%	55%	63
Bomet	24%	14%	68%	69%	13%	94%	87%	95%	63%	82%	3%	98%	59%	56
Bungoma	37%	10%	30%	48%	22%	69%	65%	65%	36%	58%	10%	60%	43%	67
Busia	55%	22%	55%	85%	26%	90%	92%	94%	81%	78%	9%	84%	64%	56
Elgeyo-marakwet	54%	3%	18%	69%	2%	96%	93%	62%	54%	59%	4%	88%	50%	53
Embu	59%	3%	83%	82%	17%	87%	83%	87%	28%	62%	6%	95%	58%	63
Garissa	47%	20%	58%	61%	23%	69%	78%	72%	48%	54%	17%	74%	52%	59
Homa bay	56%	13%	65%	68%	40%	86%	90%	90%	76%	65%	11%	91%	62%	74
Isiolo	51%	13%	58%	61%	26%	97%	98%	81%	26%	84%	6%	78%	57%	36
Kajiado	58%	10%	56%	65%	25%	76%	71%	61%	35%	65%	6%	78%	51%	67
Kakamega	41%	10%	67%	78%	43%	79%	77%	85%	72%	68%	13%	85%	60%	73
Kericho	62%	11%	43%	66%	13%	77%	77%	77%	51%	72%	4%	84%	53%	63
Kiambu	57%	9%	82%	76%	37%	84%	82%	62%	33%	56%	8%	86%	56%	86
Kilifi	60%	21%	76%	72%	32%	72%	75%	72%	50%	56%	7%	79%	56%	69
Kirinyaga	56%	4%	61%	67%	11%	71%	76%	52%	13%	50%	6%	79%	46%	63
Kisii	57%	13%	61%	59%	12%	79%	88%	82%	33%	69%	11%	87%	54%	75
Kisumu	50%	23%	75%	75%	34%	81%	79%	80%	70%	68%	16%	88%	62%	73
Kitui	56%	9%	82%	88%	37%	97%	93%	74%	31%	85%	11%	95%	63%	75
Kwale	68%	5%	90%	86%	32%	86%	90%	94%	70%	82%	4%	98%	67%	54
Laikipia	58%	11%	50%	76%	15%	80%	80%	58%	32%	70%	8%	85%	52%	58
Lamu	46%	5%	74%	71%	18%	88%	80%	75%	39%	63%	13%	85%	55%	34
Machakos	66%	11%	72%	81%	34%	73%	75%	63%	26%	64%	9%	88%	55%	71
Makueni	67%	6%	54%	92%	21%	89%	88%	67%	13%	78%	4%	92%	56%	73
Mandera	77%	7%	71%	62%	22%	88%	88%	68%	26%	68%	15%	92%	57%	54
Marsabit	74%	12%	92%	95%	73%	96%	98%	96%	65%	86%	8%	100%	74%	48
Meru	40%	4%	50%	61%	12%	67%	70%	57%	20%	50%	3%	77%	43%	83
Migori	48%	10%	54%	62%	22%	80%	67%	92%	80%	68%	7%	87%	56%	69
Mombasa	57%	24%	76%	70%	48%	76%	70%	80%	47%	42%	15%	77%	57%	70
Murang'a	74%	15%	45%	60%	7%	95%	89%	29%	3%	66%	9%	100%	49%	67
Nairobi	74%	9%	86%	74%	29%	85%	84%	83%	35%	65%	31%	92%	62%	89
Nakuru	50%	15%	66%	65%	39%	76%	78%	67%	43%	69%	14%	73%	55%	87
Nandi	42%	3%	83%	66%	25%	76%	90%	88%	55%	69%	7%	93%	58%	62

County	Amoxicillin syrup/ suspension/dispersible tablet	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc sulphate tablets or syrup	Artemisinin combination therapy (ACT)	Artesunate rectal or injectable forms	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/ suspension	Mean availability of tracer items	Total number of facilities
Narok	78%	5%	94%	98%	21%	97%	74%	61%	54%	86%	13%	97%	65%	59
Nyamira	58%	10%	63%	53%	34%	85%	87%	87%	53%	75%	2%	75%	57%	61
Nyandarua	74%	10%	78%	85%	21%	94%	91%	62%	6%	63%	4%	96%	57%	57
Nyeri	72%	14%	67%	73%	23%	77%	74%	61%	9%	57%	4%	90%	52%	72
Samburu	69%	37%	87%	83%	43%	87%	87%	80%	62%	77%	14%	85%	68%	41
Siaya	39%	8%	52%	72%	53%	70%	66%	92%	76%	58%	16%	69%	56%	69
Taita taveta	73%	13%	88%	80%	21%	93%	74%	86%	61%	78%	5%	91%	64%	49
Tana river	40%	11%	47%	53%	37%	93%	93%	81%	66%	64%	10%	55%	54%	38
Tharaka-nithi	92%	6%	60%	77%	6%	83%	91%	77%	22%	85%	7%	98%	59%	55
Trans nzoia	29%	13%	71%	60%	24%	69%	59%	75%	57%	63%	6%	73%	50%	58
Turkana	69%	9%	59%	71%	9%	87%	87%	87%	64%	85%	4%	74%	59%	61
Uasin gishu	58%	11%	57%	69%	24%	87%	86%	82%	54%	84%	11%	83%	59%	62
Vihiga	41%	18%	72%	55%	45%	83%	83%	90%	83%	75%	10%	90%	62%	45
Wajir	46%	9%	33%	45%	26%	83%	90%	68%	42%	77%	11%	65%	50%	54
West pokot	59%	8%	67%	89%	29%	88%	91%	80%	43%	78%	9%	87%	61%	56
Facility type														
Secondary & tertiary hospitals	90%	40%	95%	85%	45%	100%	100%	100%	80%	80%	100%	100%	85%	20
Public primary hospitals	73%	11%	87%	84%	30%	92%	93%	92%	79%	86%	55%	98%	73%	307
Private/ngo/ fbo primary hospitals	76%	32%	91%	92%	46%	93%	91%	90%	80%	56%	79%	97%	77%	84
Health centres	59%	14%	73%	80%	33%	88%	89%	85%	54%	78%	13%	89%	63%	465
Dispensaries	55%	6%	56%	67%	18%	86%	87%	73%	42%	83%	2%	88%	55%	1261
Medical clinics	58%	13%	70%	68%	34%	72%	67%	64%	29%	40%	8%	78%	50%	790
Managing authority														
Government	53%	6%	56%	68%	16%	87%	87%	76%	47%	85%	6%	88%	56%	1658
Ngo / fbo	68%	15%	77%	81%	38%	84%	86%	77%	43%	73%	12%	87%	62%	323
Private	61%	15%	75%	72%	37%	75%	71%	69%	35%	44%	15%	81%	54%	946
Urban/rural														
Urban	60%	15%	74%	70%	34%	74%	73%	70%	41%	51%	21%	80%	55%	873
Rural	57%	9%	62%	72%	24%	86%	85%	75%	42%	75%	5%	88%	57%	2054
Total	**58%**	**11%**	**66%**	**71%**	**27%**	**82%**	**81%**	**73%**	**42%**	**67%**	**10%**	**85%**	**56%**	**2927**

Annex Table 40: Percentage of facilities that offer adolescent health services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Offers adolescent health services	HIV testing and counselling services to adolescents	Family planning services to adolescents	Provision of combined oral contraceptive pills to adolescents	Provision of male condoms to adolescents	Provision of emergency contraceptive pills to adolescents	Provision of intrauterine contraceptive device (IUCD) to adolescents	Provision of ART to adolescents	Total number of facilities
Baringo	71%	87%	75%	73%	71%	68%	59%	13%	63
Bomet	71%	58%	65%	54%	65%	46%	23%	46%	56
Bungoma	88%	90%	92%	87%	91%	82%	52%	60%	67
Busia	81%	94%	73%	66%	67%	62%	51%	63%	56
Elgeyo-marakwet	60%	96%	77%	40%	45%	67%	2%	29%	53
Embu	59%	75%	50%	43%	41%	32%	16%	22%	63
Garissa	37%	43%	27%	18%	16%	7%	1%	12%	59
Homa bay	93%	89%	79%	76%	79%	64%	69%	70%	74
Isiolo	86%	95%	21%	21%	21%	21%	13%	67%	36
Kajiado	42%	69%	53%	50%	52%	42%	23%	23%	67
Kakamega	76%	66%	74%	66%	69%	59%	48%	51%	73
Kericho	58%	86%	44%	28%	42%	23%	29%	28%	63
Kiambu	55%	80%	47%	39%	44%	32%	28%	9%	86
Kilifi	63%	75%	49%	37%	43%	34%	14%	33%	69
Kirinyaga	46%	70%	48%	41%	38%	35%	40%	27%	63
Kisii	92%	89%	93%	76%	89%	81%	52%	75%	75
Kisumu	73%	84%	75%	73%	73%	66%	49%	60%	73
Kitui	50%	63%	81%	75%	77%	60%	42%	33%	75
Kwale	80%	74%	77%	63%	67%	51%	42%	63%	54
Laikipia	49%	71%	5%	5%	3%	4%	5%	36%	58
Lamu	49%	66%	60%	58%	55%	49%	32%	33%	34
Machakos	52%	82%	39%	31%	34%	20%	15%	13%	71
Makueni	72%	86%	42%	30%	37%	21%	16%	33%	73
Mandera	29%	70%	8%	2%	8%	8%	0%	7%	54
Marsabit	70%	68%	43%	38%	41%	31%	11%	33%	48
Meru	28%	55%	22%	21%	21%	19%	10%	14%	83
Migori	82%	89%	84%	71%	82%	46%	63%	57%	69
Mombasa	43%	52%	45%	39%	39%	27%	25%	26%	70
Murang'a	67%	79%	49%	46%	49%	36%	41%	16%	67
Nairobi	48%	83%	47%	42%	47%	38%	32%	31%	89
Nakuru	66%	80%	64%	63%	64%	57%	43%	36%	87
Nandi	82%	81%	64%	60%	64%	55%	45%	22%	62
Narok	84%	77%	72%	72%	66%	61%	36%	42%	59

County	Offers adolescent health services	HIV testing and counselling services to adolescents	Family planning services to adolescents	Provision of combined oral contraceptive pills to adolescents	Provision of male condoms to adolescents	Provision of emergency contraceptive pills to adolescents	Provision of intrauterine contraceptive device (IUCD) to adolescents	Provision of ART to adolescents	Total number of facilities
Nyamira	91%	100%	89%	75%	84%	76%	41%	81%	61
Nyandarua	63%	72%	35%	33%	33%	33%	18%	21%	57
Nyeri	57%	59%	42%	38%	41%	35%	19%	12%	72
Samburu	72%	77%	80%	73%	76%	53%	66%	27%	41
Siaya	75%	84%	74%	67%	72%	56%	47%	67%	69
Taita taveta	76%	83%	64%	62%	62%	60%	48%	59%	49
Tana river	62%	73%	51%	48%	51%	43%	43%	27%	38
Tharaka-nithi	76%	83%	80%	36%	65%	58%	13%	23%	55
Trans nzoia	66%	85%	69%	48%	68%	35%	30%	20%	58
Turkana	33%	82%	30%	26%	30%	28%	14%	27%	61
Uasin gishu	59%	91%	66%	59%	62%	47%	32%	17%	62
Vihiga	86%	92%	87%	76%	85%	58%	53%	60%	45
Wajir	57%	56%	46%	26%	40%	22%	25%	6%	54
West pokot	58%	81%	63%	46%	60%	13%	14%	11%	56
Facility type									
Secondary & tertiary hospitals	85%	100%	70%	65%	70%	45%	55%	100%	20
Public primary hospitals	88%	97%	85%	78%	83%	66%	63%	95%	307
Private/ngo/ fbo primary hospitals	62%	83%	35%	31%	33%	27%	28%	58%	84
Health centres	73%	87%	65%	57%	62%	50%	40%	56%	465
Dispensaries	68%	84%	62%	54%	59%	45%	32%	35%	1261
Medical clinics	45%	60%	44%	36%	39%	33%	24%	7%	790
Managing authority									
Government	75%	87%	71%	62%	68%	53%	40%	48%	1658
Ngo / fbo	59%	82%	32%	28%	31%	24%	20%	42%	323
Private	47%	63%	45%	38%	41%	34%	25%	10%	946
Urban/rural									
Urban	50%	69%	44%	38%	42%	34%	29%	23%	873
Rural	67%	81%	62%	54%	58%	46%	33%	37%	2054
Total	**62%**	**77%**	**56%**	**49%**	**53%**	**42%**	**32%**	**32%**	**2927**

Annex Table 41: Percentage of facilities that have tracer items for adolescent health services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=1931), Kenya 2018

County	HIV diagnostic capacity	Condoms	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Baringo	93%	90%	83%	92%	45
Bomet	77%	95%	72%	86%	42
Bungoma	100%	72%	72%	86%	59
Busia	96%	87%	82%	91%	45
Elgeyo-marakwet	89%	83%	75%	86%	33
Embu	84%	88%	78%	86%	38
Garissa	100%	95%	95%	98%	23
Homa bay	91%	83%	76%	87%	70
Isiolo	94%	82%	79%	88%	31
Kajiado	96%	96%	92%	96%	29
Kakamega	96%	92%	88%	94%	58
Kericho	91%	79%	70%	85%	38
Kiambu	91%	79%	75%	85%	49
Kilifi	98%	95%	95%	97%	44
Kirinyaga	93%	66%	66%	80%	30
Kisii	92%	90%	83%	91%	70
Kisumu	95%	86%	81%	91%	56
Kitui	85%	94%	79%	90%	42
Kwale	95%	90%	85%	93%	43
Laikipia	89%	89%	77%	89%	29
Lamu	100%	88%	88%	94%	17
Machakos	94%	77%	74%	86%	38
Makueni	100%	89%	89%	95%	54
Mandera	93%	72%	65%	82%	18
Marsabit	75%	81%	57%	78%	34
Meru	75%	73%	58%	74%	24
Migori	100%	88%	88%	94%	58
Mombasa	96%	72%	69%	84%	33
Murang'a	92%	81%	75%	86%	45
Nairobi	89%	73%	68%	81%	48
Nakuru	90%	79%	72%	84%	61
Nandi	79%	83%	67%	81%	52
Narok	92%	79%	70%	85%	50
Nyamira	98%	94%	92%	96%	56
Nyandarua	88%	87%	81%	87%	37
Nyeri	70%	81%	53%	75%	42
Samburu	76%	84%	67%	80%	30
Siaya	98%	96%	94%	97%	53

County	HIV diagnostic capacity	Condoms	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Taita taveta	91%	86%	80%	89%	38
Tana river	96%	96%	91%	96%	24
Tharaka-nithi	83%	77%	65%	80%	42
Trans nzoia	96%	80%	79%	88%	40
Turkana	90%	68%	58%	79%	21
Uasin gishu	89%	91%	83%	90%	38
Vihiga	93%	72%	66%	83%	39
Wajir	96%	68%	68%	82%	33
West pokot	100%	77%	77%	89%	32
Facility type					
Secondary & tertiary hospitals	94%	88%	88%	91%	17
Public primary hospitals	98%	99%	97%	98%	271
Private/ngo/fbo primary hospitals	97%	43%	40%	70%	56
Health centres	94%	84%	80%	89%	345
Dispensaries	93%	87%	80%	90%	891
Medical clinics	83%	78%	68%	81%	351
Managing authority					
Government	93%	92%	86%	93%	1283
Ngo / fbo	95%	56%	52%	76%	203
Private	85%	78%	69%	81%	445
Urban/rural					
Urban	89%	76%	70%	83%	481
Rural	92%	86%	79%	89%	1450
Total	**91%**	**83%**	**77%**	**87%**	**1931**

Annex Table 42: Percentage of facilities that offer malaria services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Offer diagnosis or treatment of malaria	Malaria diagnosis	Malaria treatment	IPT	Total number of facilities
Baringo	98%	95%	28%	10%	63
Bomet	88%	85%	55%	19%	56
Bungoma	95%	95%	48%	84%	67
Busia	97%	97%	60%	75%	56
Elgeyo-marakwet	94%	88%	24%	8%	53
Embu	86%	81%	42%	5%	63
Garissa	87%	87%	38%	8%	59
Homa bay	97%	95%	44%	91%	74
Isiolo	86%	80%	32%	6%	36
Kajiado	90%	86%	57%	17%	67
Kakamega	100%	100%	37%	73%	73
Kericho	95%	95%	59%	7%	63
Kiambu	91%	89%	37%	12%	86
Kilifi	93%	91%	49%	70%	69
Kirinyaga	76%	76%	47%	7%	63
Kisii	95%	94%	41%	11%	75
Kisumu	96%	96%	68%	82%	73
Kitui	71%	66%	38%	22%	75
Kwale	97%	95%	61%	80%	54
Laikipia	86%	82%	14%	0%	58
Lamu	91%	88%	32%	84%	34
Machakos	91%	91%	43%	20%	71
Makueni	89%	89%	38%	11%	73
Mandera	92%	88%	34%	6%	54
Marsabit	100%	97%	32%	18%	48
Meru	67%	61%	35%	3%	83
Migori	95%	95%	60%	84%	69
Mombasa	97%	95%	26%	61%	70
Murang'a	84%	82%	42%	2%	67
Nairobi	94%	90%	65%	2%	89
Nakuru	96%	94%	57%	15%	87
Nandi	95%	94%	42%	8%	62
Narok	98%	89%	51%	25%	59
Nyamira	95%	93%	58%	3%	61
Nyandarua	85%	83%	40%	4%	57
Nyeri	85%	84%	28%	4%	72
Samburu	100%	100%	52%	13%	41
Siaya	100%	97%	54%	82%	69
Taita taveta	93%	93%	62%	93%	49

County	Offer diagnosis or treatment of malaria	Malaria diagnosis	Malaria treatment	IPT	Total number of facilities
Tana river	100%	100%	51%	81%	38
Tharaka-nithi	92%	85%	62%	11%	55
Trans nzoia	100%	98%	39%	13%	58
Turkana	93%	93%	62%	16%	61
Uasin gishu	92%	90%	38%	18%	62
Vihiga	100%	100%	32%	95%	45
Wajir	85%	83%	35%	17%	54
West pokot	96%	96%	51%	29%	56
Facility type					
Secondary & tertiary hospitals	100%	100%	65%	30%	20
Public primary hospitals	99%	97%	64%	36%	307
Private/ngo/fbo primary hospitals	100%	100%	71%	33%	84
Health centres	97%	96%	58%	35%	465
Dispensaries	91%	89%	40%	33%	1261
Medical clinics	85%	82%	42%	16%	790
Managing authority					
Government	92%	91%	43%	35%	1658
Ngo / fbo	92%	89%	56%	30%	323
Private	89%	86%	45%	19%	946
Urban/rural					
Urban	89%	87%	52%	21%	873
Rural	92%	90%	42%	32%	2054
Total	**91%**	**89%**	**45%**	**28%**	**2927**

Annex Table 43: Percentage of facilities that have tracer items for malaria services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2703), Kenya 2018

County	Malaria diagnostic capacity	First-line antimalarial in-stock	Paracetamol cap/tab	IPT drug* (N = 770)	ITN* (N = 1,565)	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Baringo	69%	79%	66%	6%	78%	39%	71%	62
Bomet	82%	97%	87%	0%	90%	70%	89%	50
Bungoma	94%	66%	67%	61%	81%	61%	76%	64
Busia	96%	97%	79%	79%	76%	77%	91%	54
Elgeyo-marakwet	54%	66%	81%	2%	82%	41%	67%	50
Embu	77%	88%	88%	12%	56%	59%	85%	55
Garissa	85%	79%	58%	15%	20%	43%	74%	52
Homa bay	96%	91%	85%	80%	81%	80%	91%	72
Isiolo	80%	88%	83%	10%	64%	61%	84%	31
Kajiado	81%	64%	79%	18%	45%	46%	74%	61
Kakamega	91%	85%	72%	65%	68%	61%	83%	73
Kericho	83%	82%	56%	2%	81%	43%	74%	60
Kiambu	83%	67%	87%	12%	17%	58%	79%	79
Kilifi	94%	78%	77%	58%	66%	63%	83%	64
Kirinyaga	70%	60%	96%	4%	47%	44%	75%	48
Kisii	75%	83%	63%	5%	78%	42%	74%	72
Kisumu	97%	81%	87%	67%	80%	79%	88%	70
Kitui	55%	80%	74%	12%	73%	37%	70%	57
Kwale	96%	94%	96%	84%	78%	90%	95%	52
Laikipia	88%	64%	90%	2%	2%	56%	80%	50
Lamu	66%	80%	70%	85%	80%	49%	72%	31
Machakos	81%	68%	89%	11%	65%	56%	79%	65
Makueni	91%	72%	88%	3%	84%	63%	84%	66
Mandera	63%	72%	74%	12%	10%	38%	70%	50
Marsabit	74%	96%	87%	3%	15%	66%	86%	48
Meru	46%	66%	72%	7%	53%	36%	61%	60
Migori	91%	95%	63%	87%	78%	51%	83%	65
Mombasa	96%	83%	80%	47%	45%	73%	86%	68
Murang'a	75%	35%	100%	10%	63%	33%	70%	57
Nairobi	80%	88%	97%	5%	0%	71%	88%	84
Nakuru	86%	69%	61%	11%	3%	50%	72%	84
Nandi	79%	89%	52%	4%	78%	39%	74%	59
Narok	71%	62%	98%	1%	88%	42%	77%	58
Nyamira	38%	89%	68%	8%	95%	25%	65%	58
Nyandarua	89%	69%	82%	0%	0%	55%	80%	49
Nyeri	60%	69%	96%	17%	2%	42%	75%	62

County	Malaria diagnostic capacity	First-line antimalarial in-stock	Paracetamol cap/tab	IPT drug* (N = 770)	ITN* (N = 1,565)	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Samburu	85%	80%	67%	17%	1%	52%	77%	41
Siaya	93%	92%	55%	67%	80%	52%	80%	69
Taita taveta	59%	90%	95%	93%	79%	48%	81%	46
Tana river	79%	81%	56%	73%	79%	38%	72%	38
Tharaka-nithi	80%	81%	71%	6%	55%	42%	77%	51
Trans nzoia	59%	75%	72%	4%	52%	40%	69%	58
Turkana	95%	91%	84%	8%	14%	80%	90%	57
Uasin gishu	80%	86%	78%	8%	70%	63%	81%	57
Vihiga	93%	90%	65%	78%	82%	58%	83%	45
Wajir	90%	75%	64%	2%	4%	42%	76%	47
West pokot	88%	81%	76%	3%	78%	60%	82%	54
Facility type								
Secondary & tertiary hospitals	80%	100%	100%	100%	86%	80%	93%	20
Public primary hospitals	84%	92%	91%	92%	98%	72%	89%	303
Private/ngo/ fbo primary hospitals	92%	90%	98%	100%	87%	83%	93%	84
Health centres	84%	86%	79%	91%	86%	59%	83%	454
Dispensaries	78%	76%	73%	94%	91%	48%	76%	1163
Medical clinics	79%	72%	83%	46%	26%	57%	78%	679
Managing authority								
Government	79%	79%	71%	96%	94%	48%	76%	1560
Ngo / fbo	84%	82%	90%	80%	76%	67%	85%	300
Private	80%	75%	85%	56%	37%	60%	80%	843
Urban/rural								
Urban	82%	76%	86%	64%	46%	61%	81%	793
Rural	79%	78%	76%	87%	83%	52%	78%	1910
Total	**80%**	**78%**	**79%**	**81%**	**73%**	**55%**	**79%**	**2703**

*Counties shaded in grey do not distribute the item as per the national malaria programme

Annex Table 44: Percentage of facilities offer tuberculosis diagnosis and treatment services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Offers TB services	TB diagnosis	TB diagnostic testing	TB diagnosis by clinical symptoms	TB diagnosis by sputum smear microscopy examination	TB diagnosis by culture	TB diagnosis by rapid test (GeneXpert MTB/RIF)	TB diagnosis by chest X-ray	Prescription of drugs of TB patients	Provision of drugs to TB patients	Management and treatment follow-up for TB patients	Total number of facilities
Baringo	25%	10%	9%	2%	7%	0%	4%	1%	14%	21%	18%	63
Bomet	34%	28%	24%	6%	24%	2%	7%	4%	32%	34%	34%	56
Bungoma	74%	58%	49%	28%	47%	8%	17%	9%	52%	64%	67%	67
Busia	68%	61%	43%	37%	39%	8%	30%	21%	54%	59%	61%	56
Elgeyo-marakwet	29%	27%	27%	0%	25%	0%	6%	4%	29%	29%	29%	53
Embu	37%	37%	29%	4%	29%	5%	12%	10%	37%	37%	37%	63
Garissa	34%	21%	21%	2%	21%	1%	1%	1%	19%	25%	25%	59
Homa bay	67%	55%	34%	40%	29%	2%	22%	7%	59%	51%	57%	74
Isiolo	60%	30%	13%	16%	13%	2%	4%	2%	40%	60%	60%	36
Kajiado	25%	16%	16%	4%	16%	2%	6%	7%	20%	23%	22%	67
Kakamega	60%	38%	22%	31%	16%	2%	15%	5%	37%	43%	45%	73
Kericho	65%	31%	26%	14%	25%	0%	11%	5%	37%	37%	39%	63
Kiambu	18%	9%	9%	2%	9%	2%	4%	4%	13%	18%	18%	86
Kilifi	43%	32%	31%	3%	27%	7%	24%	20%	36%	40%	40%	69
Kirinyaga	34%	26%	22%	4%	22%	0%	8%	8%	34%	34%	34%	63
Kisii	72%	58%	42%	3%	42%	7%	18%	19%	64%	64%	64%	75
Kisumu	73%	62%	46%	29%	44%	10%	14%	8%	64%	61%	64%	73
Kitui	46%	24%	21%	6%	21%	5%	5%	5%	37%	45%	41%	75
Kwale	66%	51%	51%	4%	51%	3%	8%	7%	61%	61%	63%	54
Laikipia	34%	30%	23%	22%	21%	1%	6%	6%	32%	32%	34%	58
Lamu	57%	45%	36%	15%	36%	3%	2%	11%	45%	51%	49%	34
Machakos	30%	17%	11%	8%	10%	5%	10%	8%	18%	27%	24%	71
Makueni	50%	38%	33%	3%	33%	0%	7%	2%	41%	44%	44%	73
Mandera	25%	13%	13%	5%	13%	0%	1%	2%	10%	13%	13%	54
Marsabit	34%	11%	11%	4%	11%	3%	2%	4%	23%	32%	32%	48
Meru	28%	21%	21%	5%	21%	1%	3%	5%	25%	24%	25%	83
Migori	58%	37%	30%	7%	30%	0%	8%	5%	51%	46%	51%	69
Mombasa	31%	26%	21%	10%	18%	3%	10%	5%	29%	26%	29%	70
Murang'a	40%	37%	35%	5%	35%	1%	1%	7%	37%	39%	39%	67
Nairobi	33%	31%	27%	1%	26%	7%	16%	14%	26%	27%	30%	89
Nakuru	48%	37%	33%	14%	32%	8%	10%	10%	43%	44%	44%	87
Nandi	43%	19%	19%	0%	19%	0%	1%	1%	32%	35%	39%	62
Narok	42%	17%	17%	2%	17%	3%	8%	3%	35%	42%	42%	59

County	Offers TB services	TB diagnosis	TB diagnostic testing	TB diagnosis by clinical symptoms	TB diagnosis by sputum smear microscopy examination	TB diagnosis by culture	TB diagnosis by rapid test (GeneXpert MTB/RIF)	TB diagnosis by chest X-ray	Prescription of drugs of TB patients	Provision of drugs to TB patients	Management and treatment follow-up for TB patients	Total number of facilities
Nyamira	78%	52%	46%	10%	46%	16%	32%	17%	65%	74%	73%	61
Nyandarua	37%	30%	28%	12%	28%	2%	12%	7%	26%	30%	26%	57
Nyeri	26%	21%	15%	6%	15%	4%	4%	3%	21%	21%	21%	72
Samburu	47%	37%	22%	8%	22%	4%	16%	14%	37%	42%	40%	41
Siaya	72%	64%	52%	21%	52%	12%	41%	34%	64%	69%	65%	69
Taita taveta	68%	61%	61%	0%	57%	6%	44%	27%	59%	46%	63%	49
Tana river	43%	37%	29%	29%	29%	4%	12%	10%	36%	37%	36%	38
Tharaka-nithi	55%	38%	32%	12%	32%	1%	7%	4%	36%	41%	43%	55
Trans nzoia	32%	22%	16%	5%	13%	1%	8%	5%	26%	31%	31%	58
Turkana	28%	14%	12%	0%	12%	7%	8%	4%	21%	28%	28%	61
Uasin gishu	29%	22%	20%	5%	19%	6%	17%	15%	22%	25%	24%	62
Vihiga	68%	68%	59%	15%	43%	11%	42%	4%	59%	61%	64%	45
Wajir	27%	18%	18%	6%	18%	0%	0%	2%	17%	22%	22%	54
West pokot	33%	17%	17%	1%	17%	8%	3%	1%	23%	27%	21%	56
Facility type												
Secondary & tertiary hospitals	95%	90%	90%	10%	90%	45%	85%	85%	95%	90%	95%	20
Public primary hospitals	98%	93%	93%	26%	91%	23%	54%	51%	95%	96%	96%	307
Private/ngo/fbo primary hospitals	65%	61%	60%	16%	56%	26%	36%	53%	64%	61%	65%	84
Health centres	64%	53%	51%	11%	49%	5%	20%	11%	55%	59%	60%	465
Dispensaries	52%	33%	25%	11%	23%	2%	9%	5%	40%	45%	45%	1261
Medical clinics	12%	8%	6%	3%	6%	1%	3%	2%	7%	7%	7%	790
Managing authority												
Government	63%	46%	38%	14%	36%	4%	15%	9%	52%	57%	57%	1658
Ngo / fbo	51%	38%	33%	8%	33%	7%	14%	14%	40%	45%	46%	323
Private	15%	11%	9%	3%	8%	2%	5%	5%	10%	9%	11%	946
Urban/rural												
Urban	29%	24%	22%	6%	21%	6%	13%	12%	23%	24%	25%	873
Rural	49%	35%	28%	11%	27%	3%	10%	6%	39%	43%	44%	2054
Total	**42%**	**31%**	**26%**	**9%**	**25%**	**4%**	**11%**	**8%**	**34%**	**37%**	**37%**	**2927**

Annex Table 45: Percentage of facilities that have tracer items for tuberculosis diagnosis and treatment services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=1427), Kenya 2018

County	Guidelines available TB infection control	TB microscopy	HIV diagnostic capacity	System for diagnosis of HIV among TB clients	All first-line TB medications	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Baringo	22%	9%	93%	86%	49%	7%	59%	18
Bomet	78%	47%	100%	100%	66%	25%	78%	21
Bungoma	34%	18%	100%	88%	38%	14%	61%	50
Busia	50%	26%	97%	95%	46%	14%	66%	38
Elgeyo-marakwet	34%	38%	97%	92%	66%	27%	73%	17
Embu	39%	66%	95%	100%	77%	52%	84%	25
Garissa	31%	36%	100%	62%	51%	22%	62%	23
Homa bay	39%	26%	100%	83%	53%	17%	66%	53
Isiolo	37%	8%	95%	100%	81%	8%	71%	21
Kajiado	47%	41%	93%	87%	68%	34%	72%	19
Kakamega	43%	13%	97%	79%	43%	10%	58%	48
Kericho	19%	17%	95%	55%	38%	8%	51%	43
Kiambu	46%	27%	100%	92%	68%	21%	72%	22
Kilifi	26%	17%	97%	88%	48%	6%	63%	32
Kirinyaga	47%	48%	95%	95%	60%	33%	74%	22
Kisii	69%	18%	91%	91%	56%	12%	64%	57
Kisumu	54%	24%	98%	93%	65%	17%	70%	56
Kitui	27%	5%	90%	83%	73%	4%	63%	40
Kwale	26%	20%	94%	97%	66%	15%	69%	37
Laikipia	75%	11%	100%	100%	83%	11%	74%	22
Lamu	9%	14%	100%	100%	19%	8%	58%	20
Machakos	29%	10%	90%	70%	61%	8%	58%	24
Makueni	32%	34%	91%	87%	65%	28%	69%	41
Mandera	3%	33%	100%	52%	25%	14%	52%	16
Marsabit	52%	17%	87%	93%	61%	17%	65%	17
Meru	28%	24%	90%	95%	61%	19%	67%	33
Migori	43%	9%	100%	97%	66%	6%	68%	43
Mombasa	45%	30%	100%	81%	34%	21%	61%	25
Murang'a	66%	72%	95%	100%	67%	54%	84%	30
Nairobi	31%	27%	92%	100%	68%	18%	71%	35
Nakuru	48%	28%	97%	88%	71%	28%	71%	47
Nandi	16%	9%	83%	87%	39%	5%	54%	30
Narok	27%	29%	100%	87%	69%	20%	71%	26
Nyamira	53%	14%	98%	93%	67%	12%	68%	49
Nyandarua	80%	56%	95%	85%	52%	32%	72%	23
Nyeri	75%	39%	89%	89%	37%	10%	63%	21

County	Guidelines available TB infection control	TB microscopy	HIV diagnostic capacity	System for diagnosis of HIV among TB clients	All first-line TB medications	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Samburu	73%	14%	95%	100%	60%	11%	67%	20
Siaya	38%	32%	98%	95%	37%	21%	65%	52
Taita taveta	62%	24%	90%	100%	57%	14%	68%	34
Tana river	36%	13%	100%	87%	87%	7%	72%	17
Tharaka-nithi	43%	40%	93%	83%	57%	28%	68%	31
Trans nzoia	9%	20%	98%	94%	79%	18%	73%	22
Turkana	31%	14%	100%	92%	56%	13%	66%	19
Uasin gishu	25%	21%	95%	89%	79%	18%	71%	20
Vihiga	30%	16%	95%	97%	73%	15%	70%	31
Wajir	28%	31%	100%	78%	24%	17%	58%	18
West pokot	36%	8%	100%	82%	55%	8%	61%	19
Facility type								
Secondary & tertiary hospitals	58%	79%	95%	100%	68%	58%	86%	19
Public primary hospitals	58%	54%	98%	100%	83%	44%	84%	302
Private/ngo/fbo primary hospitals	62%	40%	96%	99%	62%	32%	74%	55
Health centres	49%	35%	98%	94%	68%	24%	74%	314
Dispensaries	35%	17%	95%	87%	53%	11%	63%	646
Medical clinics	27%	14%	89%	72%	37%	9%	53%	91
Managing authority								
Government	43%	25%	96%	91%	62%	18%	68%	1118
Ngo / fbo	42%	36%	99%	90%	55%	22%	70%	161
Private	28%	16%	90%	79%	41%	10%	56%	148
Urban/rural								
Urban	41%	28%	95%	91%	59%	21%	68%	324
Rural	40%	25%	96%	88%	58%	17%	66%	1103
Total	**41%**	**25%**	**95%**	**89%**	**58%**	**18%**	**67%**	**1427**

Annex Table 46: Percentage of facilities that offer additional tuberculosis diagnosis and treatment services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Facility offers TB services	Providers routinely screen sick patients (adults AND children) for risk of TB	TB diagnosis for adults	TB diagnosis for children	TB diagnosis for minor adolescents	Patient follow-up: Clinical follow up, including drug prescription revision if needed	Patient follow-up: Drug supply	Patient follow-up: Adherence	Reviews bin card for adherence to drug pick-up	Psychosocial follow up	Laboratory based follow up, other than routine sputum testing, when needed	Sputum follow-up testing	Sputum follow-up testing: Month 0 (month treatment starts)	Sputum follow-up testing: Month 2 of treatment	Sputum follow-up testing: Month 5 of treatment	Sputum follow-up testing: Month 6 of treatment	Nutrition counselling and support	Active drug safety monitoring	Assess drug adherence problems that may be associated with adverse drug reactions	Laboratory test abnormalities that may be associated with adverse drug reactions	Report adverse drug reactions	Total number of facilities
Baringo	25%	17%	11%	9%	5%	18%	19%	19%	18%	13%	16%	14%	14%	14%	12%	18%	14%	14%	3%	13%	18%	63
Bomet	34%	34%	28%	26%	24%	34%	34%	34%	34%	32%	28%	30%	30%	30%	30%	34%	34%	34%	22%	23%	34%	56
Bungoma	74%	69%	58%	54%	41%	67%	68%	67%	63%	59%	56%	62%	62%	62%	60%	58%	65%	63%	47%	61%	67%	67
Busia	68%	64%	61%	57%	54%	61%	59%	61%	58%	59%	47%	57%	59%	57%	59%	57%	57%	55%	42%	55%	61%	56
Elgeyo-marakwet	29%	29%	27%	25%	23%	29%	29%	29%	29%	29%	27%	27%	27%	20%	27%	29%	29%	29%	9%	24%	29%	53
Embu	37%	31%	37%	35%	19%	37%	37%	37%	37%	24%	26%	31%	33%	33%	31%	37%	37%	37%	13%	35%	37%	63
Garissa	34%	22%	21%	19%	21%	25%	25%	25%	23%	14%	19%	23%	23%	23%	23%	25%	21%	21%	9%	17%	25%	59
Homa bay	67%	62%	55%	52%	42%	57%	57%	57%	55%	43%	39%	44%	54%	42%	54%	54%	56%	56%	34%	51%	57%	74
Isiolo	60%	42%	30%	27%	15%	60%	60%	60%	57%	57%	21%	49%	57%	57%	57%	57%	60%	60%	11%	57%	60%	36
Kajiado	25%	20%	17%	15%	12%	22%	22%	23%	23%	20%	17%	17%	17%	17%	15%	23%	22%	22%	9%	22%	22%	67
Kakamega	60%	53%	38%	33%	11%	45%	44%	45%	43%	39%	35%	38%	38%	38%	38%	45%	41%	41%	13%	37%	45%	73
Kericho	65%	58%	27%	26%	19%	39%	39%	39%	39%	39%	29%	36%	36%	36%	36%	37%	34%	34%	28%	32%	39%	63
Kiambu	18%	9%	9%	8%	2%	18%	18%	18%	17%	12%	14%	11%	14%	12%	14%	14%	18%	18%	9%	15%	18%	86
Kilifi	43%	36%	32%	28%	31%	40%	39%	40%	39%	35%	33%	37%	39%	33%	39%	40%	40%	39%	19%	40%	40%	69
Kirinyaga	34%	34%	26%	20%	19%	34%	34%	34%	32%	30%	26%	33%	31%	33%	33%	27%	33%	33%	14%	30%	34%	63
Kisii	72%	66%	58%	50%	15%	64%	64%	62%	64%	63%	29%	40%	47%	47%	48%	59%	52%	52%	24%	48%	64%	75
Kisumu	73%	66%	63%	57%	47%	65%	65%	65%	63%	45%	53%	58%	58%	56%	58%	61%	60%	60%	36%	56%	65%	73
Kitui	46%	26%	24%	21%	22%	42%	45%	43%	42%	36%	24%	32%	32%	23%	32%	43%	37%	37%	8%	37%	42%	75
Kwale	67%	48%	51%	49%	42%	63%	63%	63%	61%	51%	45%	63%	59%	59%	61%	63%	55%	55%	11%	51%	63%	54

County	Facility offers TB services	Providers routinely screen sick patients (adults AND children) for risk of TB	TB diagnosis for adults	TB diagnosis for children	TB diagnosis for minor adolescents	Patient follow-up: Clinical follow up, including drug prescription revision if needed	Patient follow-up: Drug supply	Patient follow-up: Adherence	Reviews bin card for adherence to drug pick-up	Psychosocial follow up	Laboratory based follow up, other than routine sputum testing, when needed	Sputum follow-up testing	Sputum follow-up testing: Month 0 (month treatment starts)	Sputum follow-up testing: Month 2 of treatment	Sputum follow-up testing: Month 5 of treatment	Sputum follow-up testing: Month 6 of treatment	Nutrition counselling and support	Active drug safety monitoring	Assess drug adherence problems that may be associated with adverse drug reactions	Laboratory test abnormalities that may be associated with adverse drug reactions	Report adverse drug reactions	Total number of facilities
Laikipia	34%	32%	29%	27%	30%	34%	34%	34%	30%	34%	32%	34%	34%	34%	34%	34%	30%	29%	27%	29%	34%	58
Lamu	57%	54%	42%	30%	34%	49%	51%	51%	39%	37%	42%	48%	48%	48%	48%	51%	51%	48%	11%	43%	49%	34
Machakos	30%	26%	17%	17%	10%	24%	25%	25%	21%	19%	17%	13%	19%	19%	19%	25%	24%	24%	13%	20%	24%	71
Makueni	50%	20%	38%	35%	11%	44%	44%	44%	44%	42%	27%	33%	33%	33%	33%	42%	44%	42%	13%	42%	44%	73
Mandera	25%	10%	13%	10%	7%	13%	13%	13%	13%	12%	6%	11%	11%	6%	9%	13%	11%	11%	4%	10%	13%	54
Marsabit	34%	14%	11%	11%	11%	32%	34%	34%	30%	32%	23%	32%	32%	32%	32%	34%	34%	34%	29%	30%	32%	48
Meru	28%	21%	21%	12%	13%	25%	25%	26%	25%	20%	16%	22%	22%	22%	22%	24%	23%	23%	9%	22%	25%	83
Migori	58%	52%	37%	29%	27%	51%	48%	51%	49%	40%	36%	50%	43%	46%	49%	49%	50%	50%	34%	48%	51%	69
Mombasa	31%	20%	26%	18%	20%	29%	29%	29%	29%	27%	23%	26%	26%	24%	26%	26%	24%	23%	13%	20%	29%	70
Murang'a	40%	37%	37%	22%	31%	39%	37%	37%	39%	38%	34%	34%	35%	30%	35%	37%	37%	37%	16%	35%	39%	67
Nairobi	33%	16%	31%	29%	16%	30%	29%	30%	27%	27%	24%	28%	29%	29%	29%	30%	25%	24%	13%	25%	30%	89
Nakuru	48%	25%	37%	24%	28%	44%	44%	44%	41%	37%	33%	27%	31%	29%	33%	43%	44%	42%	19%	42%	44%	87
Nandi	43%	41%	19%	13%	17%	39%	39%	39%	39%	34%	27%	39%	39%	39%	39%	29%	39%	39%	23%	34%	39%	62
Narok	42%	37%	17%	15%	11%	42%	40%	40%	40%	40%	21%	21%	20%	21%	21%	40%	35%	35%	9%	31%	42%	59
Nyamira	78%	73%	52%	49%	38%	73%	74%	74%	74%	62%	59%	71%	67%	66%	72%	73%	73%	73%	36%	69%	73%	61
Nyandarua	37%	29%	30%	23%	24%	26%	30%	30%	30%	18%	20%	28%	28%	28%	28%	28%	22%	22%	5%	16%	26%	57
Nyeri	26%	21%	21%	18%	11%	21%	21%	21%	21%	17%	21%	21%	21%	21%	21%	21%	21%	21%	11%	18%	21%	72
Samburu	47%	37%	37%	30%	32%	40%	40%	45%	45%	45%	35%	42%	42%	42%	37%	45%	32%	32%	17%	29%	40%	41
Siaya	72%	65%	64%	59%	44%	65%	65%	65%	64%	64%	57%	43%	64%	62%	64%	65%	65%	65%	36%	64%	65%	69
Taita taveta	68%	67%	61%	57%	52%	63%	63%	63%	55%	54%	54%	63%	63%	63%	63%	59%	57%	57%	32%	54%	63%	49
Tana river	43%	26%	37%	31%	31%	36%	33%	38%	36%	22%	36%	31%	33%	30%	36%	38%	36%	36%	29%	31%	36%	38
Tharaka-nithi	55%	40%	36%	33%	35%	43%	45%	47%	37%	39%	32%	32%	34%	34%	36%	40%	43%	41%	18%	38%	43%	55

County	Facility offers TB services	Providers routinely screen sick patients (adults AND children) for risk of TB	TB diagnosis for adults	TB diagnosis for children	TB diagnosis for minor adolescents	Patient follow-up: Clinical follow up, including drug prescription revision if needed	Patient follow-up: Drug supply	Patient follow-up: Adherence	Reviews bin card for adherence to drug pick-up	Psychosocial follow up	Laboratory based follow up, other than routine sputum testing, when needed	Sputum follow-up testing	Sputum follow-up testing: Month 0 (month treatment starts)	Sputum follow-up testing: Month 2 of treatment	Sputum follow-up testing: Month 5 of treatment	Sputum follow-up testing: Month 6 of treatment	Nutrition counselling and support	Active drug safety monitoring	Assess drug adherence problems that may be associated with adverse drug reactions	Laboratory test abnormalities that may be associated with adverse drug reactions	Report adverse drug reactions	Total number of facilities
Trans nzoia	32%	24%	22%	12%	9%	31%	31%	31%	23%	13%	19%	20%	24%	20%	22%	31%	25%	25%	13%	21%	31%	58
Turkana	28%	17%	12%	14%	11%	28%	28%	28%	28%	25%	15%	18%	18%	18%	18%	27%	20%	20%	5%	18%	28%	61
Uasin gishu	29%	21%	22%	19%	9%	24%	24%	24%	24%	24%	22%	22%	22%	22%	22%	24%	24%	24%	18%	24%	24%	62
Vihiga	68%	65%	66%	56%	33%	64%	61%	64%	59%	61%	45%	64%	64%	57%	64%	64%	61%	61%	23%	52%	64%	45
Wajir	27%	17%	18%	13%	12%	22%	22%	22%	22%	14%	15%	20%	20%	20%	22%	22%	15%	15%	9%	13%	22%	54
West pokot	33%	20%	17%	15%	12%	21%	27%	27%	27%	19%	17%	17%	17%	17%	17%	25%	25%	25%	15%	24%	21%	56
Facility type																						
Secondary & tertiary hospitals	95%	75%	90%	90%	45%	95%	95%	95%	85%	75%	90%	95%	90%	90%	90%	95%	90%	90%	65%	90%	95%	20
Public primary hospitals	98%	86%	94%	89%	57%	96%	97%	96%	94%	85%	90%	92%	96%	94%	96%	96%	94%	94%	68%	88%	96%	307
Private/ngo/fbo primary hospitals	66%	48%	61%	57%	40%	65%	64%	64%	64%	60%	63%	64%	65%	58%	65%	64%	62%	62%	49%	60%	65%	84
Health centres	64%	52%	53%	47%	37%	60%	59%	60%	57%	51%	49%	55%	56%	53%	56%	57%	55%	54%	26%	51%	60%	465
Dispensaries	52%	40%	33%	28%	23%	45%	46%	46%	45%	39%	30%	35%	37%	36%	37%	44%	43%	42%	18%	40%	45%	1261
Medical clinics	12%	7%	8%	6%	5%	7%	7%	7%	6%	6%	5%	5%	6%	6%	6%	7%	6%	6%	3%	6%	7%	790
Managing authority																						
Government	63%	51%	46%	40%	31%	57%	58%	58%	56%	49%	43%	47%	50%	48%	50%	56%	54%	53%	25%	50%	57%	1658
Ngo / fbo	51%	37%	38%	34%	23%	46%	45%	46%	43%	41%	35%	38%	41%	39%	41%	43%	42%	42%	24%	40%	46%	323
Private	15%	9%	11%	8%	7%	11%	10%	11%	10%	9%	8%	9%	9%	8%	9%	10%	9%	9%	5%	9%	11%	946
Urban/rural																						
Urban	29%	20%	24%	21%	15%	25%	25%	25%	24%	22%	21%	22%	23%	22%	23%	24%	23%	22%	14%	21%	25%	873
Rural	49%	39%	35%	29%	24%	44%	44%	44%	42%	37%	31%	36%	37%	36%	38%	42%	41%	41%	18%	38%	44%	2054
Total	**42%**	**33%**	**31%**	**26%**	**21%**	**37%**	**38%**	**38%**	**36%**	**32%**	**28%**	**31%**	**33%**	**31%**	**33%**	**36%**	**35%**	**35%**	**17%**	**32%**	**37%**	**2927**

Annex Table 47: Percentage of facilities that have tracer items for additional tuberculosis diagnosis and treatment services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=1427), Kenya 2018

County	Sputum cup	Systems for sending sputum outside facility and receiving results	Facility staff routinely identify and segregate coughers who come to the outpatient clinic	Facility staff routinely fast track coughing patients for clinical and diagnostic evaluation	Place coughing patients in separate area	Staff ask couughing patients to move to separate areas	Posters instruct paitents to use masks if coughing	Staff move coughing patients ahead of other patients	TB service area has supplies for coughing patients: tissues	TB service area has supplies for coughing patients: masks for covering	TB service area has supplies for coughing patients: waste receptacle with lid, plastic bin, and foot pedal	Mean availability of items	Percent of facilities with all items	Total number of facilities
Baringo	41%	25%	0%	11%	11%	11%	9%	11%	23%	12%	36%	17%	0%	18
Bomet	32%	32%	2%	56%	23%	34%	23%	40%	22%	49%	47%	33%	0%	21
Bungoma	30%	23%	6%	60%	39%	52%	36%	47%	13%	12%	47%	33%	2%	50
Busia	59%	53%	7%	71%	56%	61%	27%	65%	12%	29%	20%	42%	0%	38
Elgeyo-marakwet	18%	26%	0%	67%	13%	44%	36%	67%	13%	18%	10%	28%	0%	17
Embu	29%	24%	0%	67%	10%	30%	36%	61%	5%	8%	28%	27%	0%	25
Garissa	24%	18%	0%	26%	7%	7%	7%	13%	0%	26%	24%	14%	0%	23
Homa bay	64%	67%	10%	84%	70%	73%	53%	79%	13%	27%	48%	54%	2%	53
Isiolo	33%	34%	0%	57%	8%	8%	8%	35%	0%	37%	55%	25%	0%	21
Kajiado	23%	28%	2%	43%	23%	23%	28%	28%	22%	29%	33%	26%	0%	19
Kakamega	38%	35%	6%	86%	56%	74%	45%	79%	8%	11%	32%	43%	0%	48
Kericho	21%	19%	12%	25%	22%	21%	5%	25%	14%	17%	49%	21%	0%	43
Kiambu	8%	2%	10%	59%	19%	28%	33%	59%	17%	25%	55%	29%	0%	22
Kilifi	50%	60%	4%	26%	10%	21%	5%	18%	28%	13%	73%	28%	0%	32
Kirinyaga	3%	8%	5%	65%	46%	49%	19%	65%	20%	0%	20%	27%	0%	22
Kisii	63%	59%	15%	92%	82%	82%	29%	91%	32%	27%	40%	56%	0%	57
Kisumu	47%	41%	13%	72%	52%	63%	60%	62%	47%	34%	66%	51%	0%	56
Kitui	12%	13%	3%	30%	18%	18%	8%	9%	16%	17%	68%	19%	0%	40
Kwale	46%	46%	0%	37%	13%	16%	18%	33%	6%	18%	71%	28%	0%	37
Laikipia	56%	52%	0%	2%	2%	2%	2%	2%	16%	19%	52%	19%	0%	22
Lamu	5%	5%	0%	81%	60%	70%	14%	81%	11%	0%	76%	37%	0%	20
Machakos	26%	20%	5%	57%	10%	33%	8%	45%	6%	15%	36%	24%	0%	24
Makueni	42%	36%	3%	78%	12%	19%	40%	75%	12%	30%	40%	35%	0%	41
Mandera	3%	3%	0%	33%	3%	14%	0%	22%	0%	49%	63%	17%	0%	16
Marsabit	7%	7%	15%	24%	24%	17%	24%	17%	17%	17%	22%	17%	0%	17
Meru	22%	19%	1%	49%	29%	29%	21%	40%	37%	18%	52%	29%	0%	33
Migori	47%	43%	1%	57%	35%	47%	27%	45%	8%	21%	33%	33%	0%	43
Mombasa	25%	25%	5%	53%	37%	45%	31%	36%	50%	36%	79%	38%	0%	25
Murang'a	9%	9%	1%	60%	14%	22%	27%	55%	10%	19%	44%	24%	0%	30
Nairobi	49%	53%	9%	66%	32%	37%	24%	62%	63%	37%	77%	46%	0%	35
Nakuru	32%	28%	18%	60%	45%	48%	35%	55%	43%	36%	37%	40%	0%	47
Nandi	43%	43%	1%	22%	3%	15%	11%	17%	19%	23%	38%	21%	0%	30
Narok	27%	23%	13%	60%	29%	32%	33%	49%	37%	22%	47%	34%	0%	26
Nyamira	58%	65%	8%	59%	31%	45%	30%	52%	23%	15%	9%	36%	0%	49
Nyandarua	25%	30%	0%	78%	73%	72%	68%	73%	57%	28%	63%	52%	0%	23
Nyeri	29%	23%	6%	77%	66%	66%	13%	72%	17%	19%	41%	39%	0%	21
Samburu	25%	19%	3%	52%	11%	17%	6%	11%	16%	11%	46%	20%	0%	20

County	Sputum cup	Systems for sending sputum outside facility and receiving results	Facility staff routinely identify and segregate coughers who come to the outpatient clinic	Facility staff routinely fast track coughing patients for clinical and diagnostic evaluation	Place coughing patients in separate area	Staff ask couughing patients to move to separate areas	Posters instruct paitents to use masks if coughing	Staff move coughing patients ahead of other patients	TB service area has supplies for coughing patients: tissues	TB service area has supplies for coughing patients: masks for covering	TB service area has supplies for coughing patients: waste receptacle with lid, plastic bin, and foot pedal	Mean availability of items	Percent of facilities with all items	Total number of facilities
Siaya	57%	57%	9%	81%	60%	73%	37%	76%	9%	38%	65%	51%	0%	52
Taita taveta	54%	51%	0%	84%	38%	35%	11%	71%	3%	8%	68%	38%	0%	34
Tana river	43%	36%	0%	75%	62%	75%	45%	75%	13%	42%	58%	48%	0%	17
Tharaka-nithi	10%	9%	7%	30%	12%	19%	22%	23%	8%	0%	45%	17%	0%	31
Trans nzoia	32%	32%	11%	92%	49%	53%	29%	81%	29%	21%	31%	42%	0%	22
Turkana	20%	20%	18%	68%	48%	60%	25%	49%	25%	39%	63%	40%	0%	19
Uasin gishu	55%	50%	0%	74%	68%	50%	45%	69%	19%	14%	20%	42%	0%	20
Vihiga	57%	47%	3%	77%	32%	48%	35%	62%	27%	7%	27%	38%	0%	31
Wajir	32%	21%	11%	38%	25%	25%	14%	25%	11%	18%	39%	23%	0%	18
West pokot	19%	13%	6%	65%	57%	65%	52%	59%	16%	9%	51%	37%	0%	19
Facility type														
Secondary & tertiary hospitals	37%	42%	16%	84%	47%	58%	63%	79%	42%	74%	58%	55%	0%	19
Public primary hospitals	37%	35%	8%	84%	59%	64%	51%	74%	18%	44%	52%	48%	0%	302
Private/ngo/ fbo primary hospitals	45%	38%	23%	76%	59%	56%	47%	70%	64%	48%	58%	53%	0%	55
Health centres	36%	32%	6%	68%	41%	46%	32%	57%	24%	23%	48%	37%	0%	314
Dispensaries	36%	35%	3%	53%	28%	37%	24%	46%	15%	16%	45%	31%	0%	646
Medical clinics	32%	35%	15%	47%	29%	36%	15%	43%	42%	28%	53%	34%	1%	91
Managing authority														
Government	37%	34%	4%	60%	34%	42%	29%	52%	14%	20%	45%	34%	0%	1118
Ngo / fbo	33%	32%	12%	66%	44%	54%	31%	60%	39%	30%	53%	41%	1%	161
Private	36%	37%	13%	50%	31%	32%	21%	44%	50%	29%	52%	36%	1%	148
Urban/rural														
Urban	36%	36%	12%	64%	40%	44%	35%	57%	44%	36%	56%	42%	0%	324
Rural	36%	34%	5%	58%	34%	41%	26%	50%	16%	19%	45%	33%	0%	1103
Total	**36%**	**34%**	**6%**	**60%**	**35%**	**42%**	**28%**	**52%**	**22%**	**23%**	**47%**	**35%**	**0%**	**1427**

Annex Table 48: Percentage of facilities offer drug resistant tuberculosis services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Any services for drug resistant TB	Diagnose drug resistant TB in facility	Diagnose drug resistant TB by referral	Prescribe drugs for treating drug resistant TB	Follow up drug resistant patients for adherence	Provide the drugs for drug resistant TB patients	Facilitate social support for patients with DRTB	Perform contact tracing for patients with DRTB	Total number of facilities
Baringo	14%	2%	9%	6%	13%	9%	6%	11%	63
Bomet	21%	6%	2%	9%	10%	8%	11%	13%	56
Bungoma	56%	16%	7%	15%	33%	23%	24%	36%	67
Busia	47%	13%	27%	29%	37%	31%	37%	37%	56
Elgeyo-marakwet	14%	4%	10%	7%	11%	5%	11%	11%	53
Embu	21%	2%	19%	11%	19%	19%	18%	19%	63
Garissa	14%	1%	7%	1%	2%	1%	2%	4%	59
Homa bay	51%	14%	16%	35%	36%	35%	29%	39%	74
Isiolo	42%	15%	22%	27%	39%	33%	37%	39%	36
Kajiado	11%	4%	3%	5%	5%	5%	4%	3%	67
Kakamega	44%	11%	20%	18%	34%	34%	31%	37%	73
Kericho	22%	0%	8%	3%	4%	1%	4%	4%	63
Kiambu	10%	1%	9%	4%	6%	4%	3%	6%	86
Kilifi	28%	4%	19%	14%	21%	14%	20%	21%	69
Kirinyaga	22%	3%	12%	10%	12%	12%	10%	12%	63
Kisii	27%	3%	23%	14%	18%	16%	15%	19%	75
Kisumu	56%	33%	18%	46%	50%	45%	39%	44%	73
Kitui	29%	1%	9%	13%	16%	12%	11%	14%	75
Kwale	37%	6%	14%	8%	14%	11%	9%	11%	54
Laikipia	21%	6%	11%	10%	13%	10%	16%	14%	58
Lamu	16%	5%	6%	8%	8%	8%	8%	8%	34
Machakos	14%	5%	8%	10%	10%	10%	11%	10%	71
Makueni	17%	4%	10%	12%	15%	12%	15%	15%	73
Mandera	13%	2%	3%	2%	6%	1%	4%	8%	54
Marsabit	25%	7%	7%	8%	14%	8%	8%	14%	48
Meru	14%	3%	8%	7%	8%	8%	8%	9%	83
Migori	37%	1%	20%	18%	20%	17%	17%	18%	69
Mombasa	17%	9%	8%	15%	15%	13%	12%	13%	70
Murang'a	27%	10%	17%	20%	24%	24%	24%	25%	67
Nairobi	17%	12%	6%	14%	14%	14%	14%	13%	89
Nakuru	27%	8%	14%	19%	24%	21%	22%	24%	87
Nandi	13%	2%	9%	5%	11%	7%	10%	11%	62
Narok	21%	5%	15%	13%	16%	13%	15%	16%	59
Nyamira	39%	7%	24%	26%	28%	26%	25%	28%	61
Nyandarua	20%	2%	9%	1%	6%	1%	3%	5%	57
Nyeri	15%	2%	10%	8%	12%	11%	9%	12%	72

County	Any services for drug resistant TB	Diagnose drug resistant TB in facility	Diagnose drug resistant TB by referral	Prescribe drugs for treating drug resistant TB	Follow up drug resistant patients for adherence	Provide the drugs for drug resistant TB patients	Facilitate social support for patients with DRTB	Perform contact tracing for patients with DRTB	Total number of facilities
Samburu	27%	5%	12%	8%	18%	11%	10%	14%	41
Siaya	55%	12%	40%	40%	47%	40%	48%	48%	69
Taita taveta	42%	6%	29%	27%	31%	31%	30%	33%	49
Tana river	19%	4%	12%	8%	11%	8%	8%	8%	38
Tharaka-nithi	26%	7%	16%	10%	20%	11%	11%	15%	55
Trans nzoia	12%	0%	8%	1%	8%	3%	5%	8%	58
Turkana	16%	4%	5%	4%	11%	5%	9%	11%	61
Uasin gishu	21%	7%	7%	9%	15%	14%	10%	8%	62
Vihiga	47%	15%	32%	26%	38%	32%	33%	38%	45
Wajir	15%	3%	1%	4%	11%	4%	4%	5%	54
West pokot	21%	9%	4%	15%	17%	15%	15%	17%	56
Facility type									
Secondary & tertiary hospitals	95%	95%	0%	80%	90%	80%	85%	90%	20
Public primary hospitals	82%	44%	30%	68%	74%	70%	68%	73%	307
Private/ngo/fbo primary hospitals	45%	24%	18%	39%	39%	36%	33%	35%	84
Health centres	42%	11%	22%	26%	34%	29%	29%	33%	465
Dispensaries	28%	5%	15%	12%	17%	14%	15%	17%	1261
Medical clinics	3%	1%	1%	1%	1%	1%	1%	1%	790
Managing authority									
Government	39%	9%	20%	20%	27%	22%	23%	27%	1658
Ngo / fbo	29%	10%	13%	19%	23%	21%	21%	22%	323
Private	5%	2%	2%	3%	3%	3%	3%	3%	946
Urban/rural									
Urban	17%	8%	7%	12%	13%	12%	12%	12%	873
Rural	28%	6%	15%	14%	19%	16%	16%	19%	2054
Total	**24%**	**6%**	**12%**	**13%**	**17%**	**15%**	**15%**	**17%**	**2927**

Annex Table 49: Percentage of facilities that have tracer items for drug resistant tuberculosis diagnosis and treatment services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=882), Kenya 2018

County	All facility staff screened for TB in last 12 months	Facility capacity or system for testing rifampicin drug resistance externally, with documented feedback on results	National treatment medicines for drug resistant TB	Mean availability of items	Percent of facilities with all items	Total number of facilities
Baringo	15%	10%	33%	19%	0%	12
Bomet	22%	3%	36%	20%	0%	14
Bungoma	15%	1%	6%	7%	0%	39
Busia	44%	3%	25%	24%	2%	27
Elgeyo-marakwet	28%	22%	12%	21%	0%	10
Embu	17%	2%	28%	16%	2%	16
Garissa	4%	4%	13%	7%	0%	11
Homa bay	25%	6%	6%	12%	0%	42
Isiolo	4%	8%	8%	7%	4%	15
Kajiado	4%	23%	44%	23%	4%	10
Kakamega	30%	2%	6%	13%	0%	37
Kericho	10%	2%	2%	5%	0%	15
Kiambu	18%	0%	9%	9%	0%	14
Kilifi	11%	2%	21%	11%	0%	22
Kirinyaga	12%	2%	12%	9%	2%	15
Kisii	42%	0%	28%	23%	0%	24
Kisumu	59%	4%	27%	30%	2%	46
Kitui	11%	1%	8%	6%	0%	28
Kwale	23%	0%	7%	10%	0%	22
Laikipia	72%	6%	12%	30%	3%	14
Lamu	11%	11%	11%	11%	0%	6
Machakos	15%	4%	40%	20%	2%	13
Makueni	36%	6%	28%	23%	0%	18
Mandera	13%	6%	13%	11%	0%	9
Marsabit	20%	8%	27%	18%	0%	13
Meru	0%	1%	20%	7%	0%	19
Migori	19%	1%	16%	12%	1%	29
Mombasa	31%	21%	14%	22%	0%	15
Murang'a	53%	0%	20%	24%	0%	21
Nairobi	35%	10%	40%	28%	0%	22
Nakuru	42%	9%	28%	27%	1%	30
Nandi	46%	0%	8%	18%	0%	10
Narok	17%	0%	6%	8%	0%	14

County	All facility staff screened for TB in last 12 months	Facility capacity or system for testing rifampicin drug resistance externally, with documented feedback on results	National treatment medicines for drug resistant TB	Mean availability of items	Percent of facilities with all items	Total number of facilities
Nyamira	31%	3%	19%	18%	3%	27
Nyandarua	53%	0%	3%	19%	0%	13
Nyeri	31%	2%	21%	18%	2%	13
Samburu	24%	5%	20%	16%	5%	12
Siaya	49%	2%	17%	23%	1%	40
Taita taveta	23%	0%	10%	11%	0%	22
Tana river	28%	8%	16%	17%	0%	8
Tharaka-nithi	37%	11%	21%	23%	0%	15
Trans nzoia	16%	14%	5%	12%	0%	9
Turkana	23%	9%	20%	17%	9%	11
Uasin gishu	30%	2%	10%	14%	0%	15
Vihiga	24%	0%	17%	14%	0%	22
Wajir	6%	0%	0%	2%	0%	10
West pokot	34%	3%	7%	15%	0%	13
Facility type						
Secondary & tertiary hospitals	32%	58%	42%	44%	11%	19
Public primary hospitals	37%	20%	54%	37%	6%	251
Private/ngo/fbo primary hospitals	39%	12%	27%	26%	1%	38
Health centres	30%	2%	18%	17%	0%	205
Dispensaries	26%	0%	10%	12%	0%	342
Medical clinics	19%	12%	0%	10%	0%	27
Managing authority						
Government	28%	3%	18%	17%	1%	736
Ngo / fbo	34%	6%	16%	18%	1%	90
Private	26%	10%	14%	16%	0%	56
Urban/rural						
Urban	32%	14%	31%	26%	3%	225
Rural	28%	1%	14%	14%	0%	657
Total	**28%**	**4%**	**18%**	**17%**	**1%**	**882**

Annex Table 50: Percentage of facilities that offer HIV/AIDS counselling and testing services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Offers HIV counselling and testing services	Total number of facilities
Baringo	92%	63
Bomet	59%	56
Bungoma	94%	67
Busia	94%	56
Elgeyo-marakwet	100%	53
Embu	76%	63
Garissa	74%	59
Homa bay	91%	74
Isiolo	95%	36
Kajiado	85%	67
Kakamega	85%	73
Kericho	93%	63
Kiambu	88%	86
Kilifi	78%	69
Kirinyaga	83%	63
Kisii	95%	75
Kisumu	88%	73
Kitui	63%	75
Kwale	80%	54
Laikipia	78%	58
Lamu	88%	34
Machakos	92%	71
Makueni	88%	73
Mandera	90%	54
Marsabit	74%	48
Meru	60%	83
Migori	92%	69
Mombasa	73%	70
Murang'a	92%	67
Nairobi	91%	89
Nakuru	89%	87
Nandi	92%	62
Narok	83%	59
Nyamira	100%	61
Nyandarua	89%	57
Nyeri	71%	72
Samburu	80%	41
Siaya	84%	69
Taita taveta	89%	49
Tana river	81%	38

County	Offers HIV counselling and testing services	Total number of facilities
Tharaka-nithi	89%	55
Trans nzoia	91%	58
Turkana	83%	61
Uasin gishu	97%	62
Vihiga	92%	45
Wajir	79%	54
West pokot	93%	56
Facility type		
Secondary & tertiary hospitals	100%	20
Public primary hospitals	99%	307
Private/ngo/fbo primary hospitals	94%	84
Health centres	92%	465
Dispensaries	90%	1261
Medical clinics	72%	790
Managing authority		
Government	92%	1658
Ngo / fbo	91%	323
Private	74%	946
Urban/rural		
Urban	79%	873
Rural	87%	2054
Total	**85%**	**2927**

Annex Table 51: Percentage of facilities that have tracer items for HIV/AIDS counselling and testing services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2524), Kenya 2018

County	Room with visual and auditory privacy	HIV diagnostic capacity	Condoms	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Baringo	68%	95%	85%	60%	82%	58
Bomet	52%	97%	88%	49%	79%	35
Bungoma	48%	98%	87%	43%	78%	63
Busia	67%	96%	77%	55%	80%	53
Elgeyo-marakwet	65%	91%	46%	28%	68%	53
Embu	53%	93%	78%	44%	74%	49
Garissa	13%	93%	62%	11%	56%	44
Homa bay	72%	93%	84%	63%	83%	68
Isiolo	38%	97%	90%	38%	75%	34
Kajiado	54%	94%	81%	44%	76%	57
Kakamega	50%	98%	83%	41%	77%	64
Kericho	40%	92%	87%	37%	73%	59
Kiambu	39%	97%	70%	35%	69%	76
Kilifi	58%	98%	92%	55%	83%	54
Kirinyaga	39%	88%	68%	29%	65%	52
Kisii	65%	93%	93%	59%	84%	72
Kisumu	59%	98%	86%	53%	81%	65
Kitui	58%	91%	88%	51%	79%	52
Kwale	46%	93%	83%	33%	74%	44
Laikipia	59%	100%	72%	47%	77%	46
Lamu	53%	100%	90%	42%	81%	30
Machakos	47%	92%	82%	41%	74%	66
Makueni	68%	98%	86%	63%	84%	65
Mandera	24%	96%	58%	22%	59%	49
Marsabit	73%	94%	73%	56%	80%	36
Meru	46%	93%	69%	30%	69%	54
Migori	52%	100%	77%	39%	76%	64
Mombasa	34%	96%	77%	26%	69%	52
Murang'a	64%	93%	72%	51%	76%	62
Nairobi	44%	93%	67%	39%	68%	82
Nakuru	43%	94%	80%	28%	72%	79
Nandi	14%	82%	81%	11%	59%	57
Narok	55%	96%	83%	44%	78%	49
Nyamira	59%	98%	84%	48%	80%	61
Nyandarua	63%	100%	86%	60%	83%	51
Nyeri	72%	84%	77%	53%	77%	52
Samburu	59%	94%	87%	56%	80%	33

County	Room with visual and auditory privacy	HIV diagnostic capacity	Condoms	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Siaya	89%	98%	79%	73%	88%	59
Taita taveta	28%	95%	88%	23%	70%	44
Tana river	44%	93%	86%	34%	75%	31
Tharaka-nithi	44%	92%	72%	29%	69%	49
Trans nzoia	43%	93%	67%	31%	68%	53
Turkana	84%	96%	92%	72%	91%	51
Uasin gishu	52%	90%	86%	49%	76%	60
Vihiga	55%	93%	70%	36%	73%	41
Wajir	14%	92%	73%	10%	59%	44
West pokot	50%	94%	73%	42%	73%	52
Facility type						
Secondary & tertiary hospitals	65%	95%	80%	55%	80%	20
Public primary hospitals	73%	99%	95%	69%	89%	303
Private/ngo/fbo primary hospitals	44%	97%	69%	35%	70%	76
Health centres	46%	95%	79%	40%	73%	431
Dispensaries	63%	96%	84%	53%	81%	1132
Medical clinics	35%	89%	67%	25%	64%	562
Managing authority						
Government	66%	96%	90%	58%	84%	1538
Ngo / fbo	45%	96%	59%	31%	67%	292
Private	32%	90%	68%	23%	63%	694
Urban/rural						
Urban	39%	93%	70%	32%	67%	704
Rural	57%	95%	82%	47%	78%	1820
Total	**52%**	**94%**	**78%**	**43%**	**75%**	**2524**

Annex Table 52: Percentage of facilities that offer HIV/AIDS care and support services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Offers HIV care and support services	Treatment of opportunistic infections	Provision of palliative care	IV treatment of fungal infections	Treatment for Kaposi's sarcoma	Nutritional rehabilitation services	Provide/prescribe fortified protein supplementation	Care for paediatric HIV/AIDS patients	Provide/prescribe preventative treatment for TB	Preventative treatment for opportunistic infections	Provide/prescribe micronutrient supplementation	Family planning counselling	Provide condoms	Total number of facilities
Baringo	16%	14%	7%	1%	1%	13%	8%	11%	11%	16%	9%	16%	13%	63
Bomet	47%	47%	35%	1%	2%	44%	29%	44%	35%	46%	41%	46%	46%	56
Bungoma	65%	65%	52%	25%	3%	53%	33%	55%	49%	62%	53%	65%	62%	67
Busia	64%	62%	52%	9%	5%	46%	34%	38%	58%	60%	50%	59%	54%	56
Elgeyo-marakwet	56%	54%	48%	4%	0%	50%	11%	44%	29%	46%	44%	52%	48%	53
Embu	25%	25%	7%	3%	1%	20%	13%	25%	22%	24%	24%	25%	24%	63
Garissa	11%	11%	2%	3%	2%	9%	6%	4%	9%	11%	6%	11%	9%	59
Homa bay	68%	66%	52%	37%	2%	54%	51%	65%	60%	66%	57%	66%	60%	74
Isiolo	73%	73%	68%	43%	6%	73%	35%	73%	41%	71%	51%	68%	66%	36
Kajiado	42%	36%	12%	4%	4%	31%	16%	23%	20%	28%	26%	39%	39%	67
Kakamega	72%	72%	56%	8%	2%	63%	40%	53%	54%	56%	52%	68%	68%	73
Kericho	44%	44%	30%	14%	4%	32%	23%	29%	27%	40%	37%	40%	42%	63
Kiambu	50%	50%	37%	7%	0%	32%	12%	40%	13%	44%	40%	42%	42%	86
Kilifi	48%	46%	17%	4%	7%	41%	13%	29%	48%	46%	33%	44%	44%	69
Kirinyaga	39%	39%	13%	10%	3%	31%	27%	27%	36%	36%	32%	37%	35%	63
Kisii	77%	77%	33%	18%	4%	65%	49%	72%	77%	77%	71%	75%	73%	75
Kisumu	64%	63%	41%	29%	14%	50%	36%	51%	57%	59%	50%	59%	60%	73
Kitui	31%	31%	18%	9%	2%	30%	19%	24%	29%	26%	30%	31%	30%	75
Kwale	64%	64%	33%	6%	1%	53%	38%	53%	59%	63%	46%	63%	59%	54
Laikipia	41%	39%	38%	3%	5%	34%	25%	35%	39%	39%	33%	39%	40%	58
Lamu	36%	36%	10%	13%	3%	26%	30%	26%	33%	36%	33%	33%	33%	34
Machakos	25%	25%	21%	5%	4%	19%	13%	19%	15%	21%	16%	25%	25%	71
Makueni	27%	27%	16%	9%	0%	25%	19%	19%	24%	27%	21%	27%	27%	73
Mandera	7%	7%	2%	5%	1%	7%	6%	7%	5%	7%	4%	6%	7%	54
Marsabit	32%	30%	5%	6%	1%	24%	14%	24%	16%	30%	25%	22%	25%	48
Meru	14%	14%	7%	2%	1%	12%	11%	7%	14%	12%	12%	13%	12%	83
Migori	58%	55%	34%	10%	5%	44%	24%	46%	53%	53%	45%	52%	52%	69
Mombasa	27%	26%	15%	16%	4%	24%	16%	19%	24%	24%	24%	27%	25%	70
Murang'a	31%	31%	8%	6%	0%	26%	12%	27%	19%	31%	19%	31%	29%	67
Nairobi	32%	31%	9%	14%	2%	28%	12%	30%	31%	30%	25%	30%	29%	89
Nakuru	39%	38%	28%	13%	5%	35%	27%	28%	36%	36%	33%	33%	33%	87
Nandi	59%	59%	13%	1%	0%	20%	16%	17%	34%	38%	46%	57%	53%	62

County	Offers HIV care and support services	Treatment of opportunistic infections	Provision of palliative care	IV treatment of fungal infections	Treatment for Kaposi's sarcoma	Nutritional rehabilitation services	Provide/prescribe fortified protein supplementation	Care for paediatric HIV/AIDS patients	Provide/prescribe preventative treatment for TB	Preventative treatment for opportunistic infections	Provide/prescribe micronutrient supplementation	Family planning counselling	Provide condoms	Total number of facilities
Narok	42%	40%	34%	6%	6%	40%	39%	37%	37%	40%	39%	39%	37%	59
Nyamira	83%	83%	38%	18%	4%	60%	48%	65%	70%	79%	75%	83%	81%	61
Nyandarua	25%	25%	16%	5%	3%	25%	16%	19%	23%	25%	23%	25%	23%	57
Nyeri	19%	19%	9%	3%	3%	15%	11%	15%	12%	16%	12%	18%	17%	72
Samburu	32%	32%	13%	12%	5%	28%	24%	24%	27%	29%	27%	32%	32%	41
Siaya	69%	69%	38%	20%	2%	67%	36%	62%	67%	69%	58%	69%	66%	69
Taita taveta	70%	65%	54%	11%	1%	61%	44%	60%	61%	65%	61%	65%	61%	49
Tana river	37%	34%	29%	21%	4%	26%	22%	27%	34%	32%	22%	34%	34%	38
Tharaka-nithi	39%	39%	13%	7%	3%	24%	20%	29%	24%	35%	20%	37%	39%	55
Trans nzoia	24%	24%	12%	4%	4%	16%	9%	19%	18%	20%	14%	24%	22%	58
Turkana	28%	28%	5%	6%	4%	23%	11%	28%	18%	28%	20%	25%	23%	61
Uasin gishu	29%	29%	20%	13%	6%	22%	12%	22%	20%	26%	29%	29%	27%	62
Vihiga	65%	65%	38%	19%	5%	55%	43%	60%	58%	65%	55%	65%	62%	45
Wajir	7%	6%	6%	0%	0%	3%	3%	2%	4%	4%	3%	7%	7%	54
West pokot	10%	10%	7%	5%	1%	7%	5%	8%	7%	10%	5%	9%	9%	56
Facility type														
Secondary & tertiary hospitals	100%	100%	85%	90%	70%	100%	80%	75%	100%	100%	90%	90%	85%	20
Public primary hospitals	94%	93%	73%	57%	20%	92%	80%	87%	93%	93%	90%	94%	94%	307
Private/ngo/fbo primary hospitals	62%	62%	47%	51%	12%	54%	34%	46%	59%	61%	50%	52%	49%	84
Health centres	59%	59%	36%	15%	6%	53%	38%	51%	53%	56%	52%	57%	55%	465
Dispensaries	44%	43%	23%	7%	2%	35%	22%	34%	35%	40%	34%	41%	41%	1261
Medical clinics	18%	18%	9%	2%	1%	10%	4%	11%	7%	14%	11%	17%	16%	790
Managing authority														
Government	54%	53%	31%	12%	3%	47%	33%	45%	46%	51%	44%	53%	52%	1658
Ngo / fbo	48%	45%	26%	16%	4%	39%	23%	37%	40%	44%	39%	37%	32%	323
Private	21%	21%	13%	5%	2%	12%	5%	13%	10%	17%	13%	19%	19%	946
Urban/rural														
Urban	32%	31%	19%	13%	5%	24%	14%	23%	23%	28%	25%	29%	28%	873
Rural	44%	43%	25%	9%	2%	36%	24%	35%	35%	41%	35%	42%	41%	2054
Total	**40%**	**39%**	**23%**	**10%**	**3%**	**32%**	**21%**	**31%**	**31%**	**36%**	**32%**	**38%**	**37%**	**2927**

Annex Table 53: Percentage of facilities that have tracer items for HIV/AIDS care and support services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=1338), Kenya 2018

County	System for diagnosis of TB among HIV+ clients	Intravenous solution with infusion set	IV treatment fungal infection	Co-trimoxazole cap/ tab	All first line TB medications	Palliative care pain management	Condoms	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Baringo	44%	68%	3%	100%	44%	68%	79%	3%	58%	13
Bomet	66%	70%	1%	96%	43%	89%	93%	1%	66%	29
Bungoma	60%	79%	0%	60%	37%	73%	71%	0%	54%	45
Busia	69%	57%	0%	77%	40%	83%	80%	0%	58%	36
Elgeyo-marakwet	40%	24%	1%	90%	35%	82%	82%	1%	50%	31
Embu	59%	75%	9%	100%	68%	81%	88%	9%	69%	19
Garissa	61%	100%	6%	100%	50%	67%	100%	0%	69%	10
Homa bay	79%	65%	2%	85%	45%	86%	85%	0%	64%	53
Isiolo	55%	68%	0%	100%	55%	89%	82%	0%	64%	26
Kajiado	32%	73%	13%	62%	33%	77%	89%	3%	54%	30
Kakamega	56%	74%	7%	85%	35%	70%	89%	1%	59%	56
Kericho	54%	51%	10%	73%	43%	61%	72%	1%	52%	30
Kiambu	23%	58%	1%	82%	19%	95%	69%	0%	50%	47
Kilifi	63%	74%	8%	87%	39%	74%	93%	1%	63%	33
Kirinyaga	57%	82%	23%	91%	52%	100%	66%	2%	67%	25
Kisii	81%	76%	4%	81%	54%	84%	90%	2%	67%	60
Kisumu	79%	68%	17%	83%	68%	91%	89%	9%	71%	49
Kitui	77%	89%	9%	100%	77%	85%	95%	7%	76%	31
Kwale	57%	94%	2%	100%	59%	97%	88%	2%	71%	36
Laikipia	78%	77%	6%	100%	69%	100%	91%	6%	74%	26
Lamu	74%	74%	0%	83%	13%	74%	91%	0%	59%	13
Machakos	57%	76%	5%	81%	36%	89%	87%	0%	62%	21
Makueni	77%	94%	4%	87%	69%	83%	94%	4%	73%	26
Mandera	72%	72%	12%	100%	60%	72%	100%	12%	70%	7
Marsabit	29%	86%	3%	97%	58%	93%	78%	3%	63%	16
Meru	89%	75%	8%	88%	94%	88%	77%	3%	74%	22
Migori	68%	68%	3%	82%	55%	52%	90%	3%	60%	43
Mombasa	77%	56%	10%	100%	39%	95%	89%	3%	67%	22
Murang'a	46%	53%	15%	100%	51%	100%	89%	8%	65%	24
Nairobi	74%	80%	14%	100%	53%	97%	62%	1%	69%	35
Nakuru	65%	89%	19%	89%	72%	74%	75%	10%	69%	40
Nandi	34%	58%	2%	90%	26%	55%	77%	1%	49%	38
Narok	70%	83%	0%	100%	64%	96%	74%	0%	70%	26
Nyamira	74%	79%	4%	85%	61%	68%	94%	4%	66%	52

County	System for diagnosis of TB among HIV+ clients	Intravenous solution with infusion set	IV treatment fungal infection	Co-trimoxazole cap/ tab	All first line TB medications	Palliative care pain management	Condoms	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Nyandarua	85%	93%	7%	100%	71%	86%	88%	2%	76%	16
Nyeri	55%	39%	15%	98%	40%	92%	74%	3%	59%	16
Samburu	84%	92%	0%	100%	72%	68%	96%	0%	73%	14
Siaya	93%	72%	4%	69%	39%	55%	95%	3%	61%	50
Taita taveta	66%	69%	5%	94%	49%	97%	88%	1%	67%	35
Tana river	33%	71%	0%	63%	85%	41%	78%	0%	53%	15
Tharaka-nithi	61%	51%	12%	95%	54%	75%	90%	0%	63%	22
Trans nzoia	35%	81%	19%	62%	66%	72%	77%	13%	59%	17
Turkana	88%	94%	9%	81%	56%	94%	57%	2%	68%	19
Uasin gishu	57%	71%	15%	89%	55%	82%	82%	0%	65%	20
Vihiga	65%	72%	5%	91%	75%	53%	81%	2%	63%	29
Wajir	60%	100%	12%	76%	36%	100%	72%	0%	65%	7
West pokot	63%	85%	0%	77%	63%	77%	43%	0%	58%	8
Facility type										
Secondary & tertiary hospitals	90%	95%	75%	100%	70%	100%	90%	40%	89%	20
Public primary hospitals	92%	92%	22%	96%	83%	94%	98%	17%	83%	289
Private/ngo/fbo primary hospitals	79%	100%	57%	88%	59%	99%	47%	12%	75%	50
Health centres	74%	83%	4%	93%	64%	81%	85%	1%	69%	284
Dispensaries	63%	65%	2%	85%	47%	74%	84%	1%	60%	562
Medical clinics	22%	58%	3%	78%	15%	90%	77%	0%	49%	133
Managing authority										
Government	72%	71%	4%	88%	59%	75%	92%	3%	66%	989
Ngo / fbo	69%	77%	13%	86%	47%	92%	45%	0%	61%	155
Private	27%	70%	13%	83%	21%	92%	79%	4%	55%	194
Urban/rural										
Urban	57%	78%	17%	86%	45%	92%	73%	7%	64%	333
Rural	64%	70%	4%	87%	51%	77%	86%	1%	63%	1005
Total	**62%**	**72%**	**7%**	**87%**	**50%**	**81%**	**82%**	**3%**	**63%**	**1338**

Annex Table 54: Percentage of facilities that offer HIV/AIDS antiretroviral prescription and client management services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Offers ARV prescription or ARV treatment follow-up services	ART prescription	Provide treatment follow-up services for persons on ART	Total number of facilities
Baringo	13%	13%	13%	63
Bomet	48%	48%	48%	56
Bungoma	62%	57%	60%	67
Busia	63%	63%	63%	56
Elgeyo-marakwet	33%	31%	31%	53
Embu	22%	22%	22%	63
Garissa	13%	13%	13%	59
Homa bay	70%	70%	70%	74
Isiolo	67%	67%	67%	36
Kajiado	26%	25%	25%	67
Kakamega	54%	54%	54%	73
Kericho	44%	43%	39%	63
Kiambu	12%	9%	10%	86
Kilifi	46%	32%	44%	69
Kirinyaga	34%	34%	34%	63
Kisii	77%	75%	75%	75
Kisumu	63%	63%	61%	73
Kitui	33%	33%	33%	75
Kwale	66%	63%	66%	54
Laikipia	38%	38%	38%	58
Lamu	39%	39%	39%	34
Machakos	18%	13%	13%	71
Makueni	34%	34%	33%	73
Mandera	7%	7%	7%	54
Marsabit	37%	35%	35%	48
Meru	14%	14%	14%	83
Migori	60%	60%	60%	69
Mombasa	27%	25%	27%	70
Murang'a	16%	16%	16%	67
Nairobi	33%	33%	33%	89
Nakuru	38%	37%	38%	87
Nandi	30%	30%	30%	62
Narok	44%	39%	44%	59
Nyamira	81%	81%	81%	61
Nyandarua	21%	21%	21%	57
Nyeri	15%	14%	14%	72
Samburu	40%	25%	32%	41

County	Offers ARV prescription or ARV treatment follow-up services	ART prescription	Provide treatment follow-up services for persons on ART	Total number of facilities
Siaya	67%	67%	67%	69
Taita taveta	63%	61%	63%	49
Tana river	30%	27%	30%	38
Tharaka-nithi	23%	23%	23%	55
Trans nzoia	28%	22%	26%	58
Turkana	30%	30%	30%	61
Uasin gishu	30%	27%	24%	62
Vihiga	66%	63%	65%	45
Wajir	6%	6%	6%	54
West pokot	13%	11%	13%	56
Facility type				
Secondary & tertiary hospitals	100%	100%	100%	20
Public primary hospitals	97%	96%	96%	307
Private/ngo/fbo primary hospitals	62%	59%	61%	84
Health centres	60%	58%	58%	465
Dispensaries	39%	37%	39%	1261
Medical clinics	9%	8%	8%	790
Managing authority				
Government	51%	49%	51%	1658
Ngo / fbo	45%	45%	45%	323
Private	12%	11%	11%	946
Urban/rural				
Urban	27%	25%	25%	873
Rural	40%	38%	39%	2054
Total	**35%**	**34%**	**34%**	**2927**

Annex Table 55: Percentage of facilities that have tracer items for HIV/AIDS antiretroviral prescription and client management services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=1239), Kenya 2018

County	Complete blood count (CBC)	CD4 or viral load	Renal function test	Liver function test	3 first line ARVs	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Baringo	29%	7%	7%	7%	87%	0%	27%	11
Bomet	16%	10%	14%	18%	92%	6%	30%	29
Bungoma	14%	3%	5%	5%	55%	1%	16%	43
Busia	8%	2%	8%	8%	94%	1%	24%	35
Elgeyo-marakwet	9%	2%	2%	2%	78%	0%	19%	19
Embu	13%	13%	14%	8%	92%	2%	28%	17
Garissa	43%	10%	5%	5%	81%	0%	29%	11
Homa bay	7%	12%	3%	1%	91%	1%	23%	55
Isiolo	9%	9%	7%	7%	57%	4%	18%	24
Kajiado	34%	17%	21%	21%	71%	7%	33%	20
Kakamega	7%	3%	2%	2%	83%	1%	19%	45
Kericho	2%	6%	6%	6%	45%	1%	13%	31
Kiambu	50%	6%	44%	44%	77%	3%	44%	17
Kilifi	6%	0%	1%	1%	81%	0%	18%	33
Kirinyaga	23%	0%	22%	22%	90%	0%	31%	22
Kisii	10%	5%	6%	6%	89%	4%	23%	60
Kisumu	21%	11%	13%	12%	90%	4%	29%	50
Kitui	8%	3%	2%	2%	100%	2%	23%	32
Kwale	6%	3%	7%	7%	91%	1%	23%	37
Laikipia	16%	4%	13%	13%	91%	2%	27%	24
Lamu	9%	0%	4%	4%	69%	0%	17%	14
Machakos	23%	5%	5%	5%	65%	3%	20%	16
Makueni	7%	6%	7%	7%	95%	1%	24%	31
Mandera	36%	12%	24%	24%	60%	12%	31%	7
Marsabit	15%	8%	3%	3%	74%	0%	20%	19
Meru	34%	13%	22%	25%	85%	8%	36%	22
Migori	12%	7%	7%	7%	95%	4%	25%	44
Mombasa	44%	11%	29%	29%	90%	5%	40%	22
Murang'a	38%	15%	27%	27%	100%	15%	41%	15
Nairobi	63%	25%	52%	52%	86%	21%	55%	37
Nakuru	35%	8%	19%	19%	91%	3%	35%	40
Nandi	0%	2%	2%	2%	51%	0%	11%	22
Narok	11%	3%	4%	4%	80%	0%	20%	27
Nyamira	7%	5%	1%	1%	96%	1%	22%	51
Nyandarua	19%	3%	8%	8%	82%	3%	24%	14
Nyeri	42%	15%	40%	30%	81%	13%	42%	14
Samburu	7%	7%	3%	7%	62%	3%	17%	17

County	Complete blood count (CBC)	CD4 or viral load	Renal function test	Liver function test	3 first line ARVs	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Siaya	8%	3%	8%	8%	78%	2%	21%	49
Taita taveta	6%	6%	5%	5%	86%	2%	22%	32
Tana river	19%	0%	14%	14%	55%	0%	20%	12
Tharaka-nithi	21%	33%	21%	21%	92%	18%	37%	14
Trans nzoia	21%	5%	8%	11%	84%	0%	26%	19
Turkana	5%	9%	5%	5%	71%	2%	19%	20
Uasin gishu	17%	3%	15%	15%	66%	2%	23%	21
Vihiga	2%	7%	2%	2%	85%	0%	19%	30
Wajir	27%	0%	0%	0%	41%	0%	14%	6
West pokot	12%	6%	12%	12%	52%	0%	18%	9
Facility type								
Secondary & tertiary hospitals	90%	80%	90%	90%	85%	65%	87%	20
Public primary hospitals	46%	33%	28%	28%	92%	12%	45%	297
Private/ngo/fbo primary hospitals	87%	29%	80%	80%	90%	25%	73%	52
Health centres	16%	5%	8%	7%	87%	1%	25%	289
Dispensaries	4%	1%	2%	1%	80%	0%	17%	509
Medical clinics	34%	11%	23%	23%	69%	7%	32%	72
Managing authority								
Government	8%	6%	5%	5%	83%	2%	21%	966
Ngo / fbo	38%	17%	28%	26%	89%	11%	40%	148
Private	50%	6%	35%	35%	73%	5%	40%	125
Urban/rural								
Urban	46%	17%	35%	35%	82%	9%	43%	301
Rural	9%	5%	5%	5%	83%	2%	21%	938
Total	**19%**	**8%**	**13%**	**12%**	**83%**	**4%**	**27%**	**1239**

Annex Table 56: Percentage of facilities that offer PMTCT services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Offers services for PMTCT	HIV counselling & testing to HIV+ pregnant women	HIV counselling & testing to infants born to HIV+ pregnant women	ARV prophylaxis to HIV+ women	ARV prophylaxis to newborns born to HIV+ pregnant women	Infant & young child feeding counselling	Nutritional counselling for HIV+ women & their infants	Family planning counselling to HIV+ women	Total number of facilities
Baringo	92%	92%	28%	71%	23%	78%	80%	85%	63
Bomet	69%	64%	48%	57%	50%	62%	62%	66%	56
Bungoma	90%	88%	82%	82%	74%	85%	83%	88%	67
Busia	79%	79%	68%	67%	67%	76%	77%	79%	56
Elgeyo-marakwet	76%	74%	47%	62%	49%	70%	72%	72%	53
Embu	62%	62%	22%	54%	40%	57%	56%	57%	63
Garissa	58%	58%	14%	54%	19%	48%	48%	50%	59
Homa bay	90%	90%	68%	88%	76%	85%	88%	87%	74
Isiolo	92%	92%	37%	86%	64%	89%	92%	81%	36
Kajiado	78%	76%	26%	62%	36%	67%	66%	69%	67
Kakamega	84%	82%	69%	77%	61%	72%	75%	77%	73
Kericho	89%	89%	44%	79%	63%	78%	84%	87%	63
Kiambu	73%	68%	11%	64%	16%	53%	57%	59%	86
Kilifi	73%	73%	45%	66%	51%	66%	69%	69%	69
Kirinyaga	49%	44%	32%	37%	34%	39%	39%	42%	63
Kisii	87%	85%	63%	85%	79%	85%	84%	85%	75
Kisumu	83%	83%	76%	71%	68%	81%	83%	78%	73
Kitui	66%	66%	43%	65%	39%	65%	66%	65%	75
Kwale	80%	80%	55%	75%	61%	68%	72%	67%	54
Laikipia	53%	52%	26%	52%	45%	52%	52%	51%	58
Lamu	84%	84%	39%	75%	48%	78%	78%	78%	34
Machakos	75%	71%	32%	61%	32%	67%	66%	69%	71
Makueni	80%	78%	63%	58%	36%	72%	75%	75%	73
Mandera	84%	76%	4%	60%	13%	32%	38%	35%	54
Marsabit	89%	89%	32%	80%	65%	87%	89%	87%	48
Meru	55%	50%	21%	47%	25%	41%	39%	45%	83
Migori	87%	80%	55%	73%	66%	77%	79%	82%	69
Mombasa	68%	66%	30%	65%	30%	62%	64%	63%	70
Murang'a	71%	71%	34%	66%	48%	66%	64%	66%	67
Nairobi	74%	74%	32%	71%	34%	68%	71%	69%	89
Nakuru	79%	79%	37%	71%	51%	77%	77%	76%	87
Nandi	87%	87%	28%	79%	36%	83%	83%	83%	62
Narok	88%	88%	54%	77%	56%	83%	84%	81%	59
Nyamira	98%	97%	82%	92%	86%	93%	93%	96%	61

County	Offers services for PMTCT	HIV counselling & testing to HIV+ pregnant women	HIV counselling & testing to infants born to HIV+ pregnant women	ARV prophylaxis to HIV+ women	ARV prophylaxis to newborns born to HIV+ pregnant women	Infant & young child feeding counselling	Nutritional counselling for HIV+ women & their infants	Family planning counselling to HIV+ women	Total number of facilities
Nyandarua	65%	63%	19%	58%	32%	52%	59%	61%	57
Nyeri	58%	56%	15%	50%	21%	54%	54%	53%	72
Samburu	85%	85%	57%	77%	57%	85%	80%	82%	41
Siaya	79%	77%	69%	72%	65%	74%	77%	77%	69
Taita taveta	87%	85%	59%	87%	63%	80%	85%	83%	49
Tana river	78%	75%	40%	59%	45%	62%	67%	59%	38
Tharaka-nithi	79%	77%	36%	70%	30%	77%	77%	72%	55
Trans nzoia	79%	79%	24%	71%	41%	63%	69%	69%	58
Turkana	75%	75%	44%	52%	39%	75%	73%	73%	61
Uasin gishu	85%	85%	34%	75%	52%	76%	81%	80%	62
Vihiga	91%	91%	73%	91%	73%	82%	89%	91%	45
Wajir	54%	50%	3%	35%	7%	34%	37%	33%	54
West pokot	83%	83%	11%	48%	16%	50%	55%	59%	56
Facility type									
Secondary & tertiary hospitals	95%	95%	95%	95%	95%	95%	95%	90%	20
Public primary hospitals	99%	98%	93%	95%	96%	98%	97%	98%	307
Private/ngo/fbo primary hospitals	85%	85%	63%	80%	67%	80%	80%	76%	84
Health centres	92%	90%	65%	86%	70%	84%	85%	86%	465
Dispensaries	87%	85%	45%	74%	52%	79%	80%	79%	1261
Medical clinics	50%	48%	10%	42%	11%	38%	42%	44%	790
Managing authority									
Government	90%	89%	56%	80%	63%	84%	85%	86%	1658
Ngo / fbo	80%	79%	47%	73%	51%	72%	72%	63%	323
Private	56%	54%	16%	48%	17%	44%	48%	50%	946
Urban/rural									
Urban	63%	62%	29%	56%	30%	54%	56%	58%	873
Rural	82%	80%	44%	71%	50%	74%	75%	75%	2054
Total	**76%**	**74%**	**39%**	**66%**	**43%**	**67%**	**69%**	**69%**	**2927**

Annex Table 57: Percentage of facilities that have tracer items for PMTCT services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2302), Kenya 2018

County	Room with visual and auditory privacy	HIV diagnostic capacity for adults	DBS for diagnosing newborn HIV	Zidovudine syrup	Nevirapine syrup	Maternal ARV prophylaxis	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Baringo	94%	95%	10%	10%	16%	21%	6%	41%	58
Bomet	62%	82%	43%	33%	54%	64%	7%	56%	41
Bungoma	67%	100%	52%	32%	37%	42%	17%	55%	60
Busia	83%	95%	59%	60%	71%	79%	29%	75%	43
Elgeyo-marakwet	100%	91%	37%	38%	41%	54%	30%	60%	41
Embu	94%	95%	32%	41%	49%	55%	26%	61%	40
Garissa	57%	97%	16%	16%	21%	26%	1%	39%	36
Homa bay	91%	93%	57%	64%	71%	74%	43%	75%	68
Isiolo	93%	94%	29%	26%	49%	54%	16%	57%	33
Kajiado	94%	92%	26%	23%	29%	32%	18%	49%	53
Kakamega	81%	94%	44%	46%	50%	56%	31%	62%	63
Kericho	52%	92%	24%	18%	41%	37%	2%	44%	57
Kiambu	89%	93%	15%	14%	19%	19%	11%	42%	65
Kilifi	92%	96%	49%	35%	55%	55%	20%	64%	51
Kirinyaga	100%	96%	31%	49%	52%	70%	24%	66%	31
Kisii	76%	91%	41%	74%	74%	81%	26%	73%	66
Kisumu	79%	96%	49%	66%	66%	68%	35%	71%	62
Kitui	71%	92%	23%	42%	49%	51%	16%	55%	54
Kwale	74%	88%	61%	46%	66%	75%	30%	68%	44
Laikipia	95%	93%	21%	57%	58%	64%	16%	65%	33
Lamu	75%	100%	35%	29%	35%	35%	18%	51%	29
Machakos	83%	94%	18%	19%	20%	22%	11%	42%	54
Makueni	94%	98%	31%	36%	36%	41%	25%	56%	60
Mandera	74%	93%	2%	1%	4%	7%	1%	30%	46
Marsabit	95%	80%	7%	3%	44%	57%	0%	48%	43
Meru	80%	97%	19%	24%	31%	36%	11%	48%	51
Migori	73%	100%	48%	54%	61%	68%	24%	67%	61
Mombasa	91%	91%	38%	29%	31%	35%	24%	52%	49
Murang'a	76%	95%	26%	34%	39%	36%	18%	51%	49
Nairobi	87%	91%	20%	31%	32%	36%	15%	49%	69
Nakuru	97%	91%	31%	39%	43%	46%	26%	58%	72
Nandi	77%	82%	24%	16%	23%	23%	7%	41%	55
Narok	88%	92%	42%	30%	49%	54%	19%	59%	52
Nyamira	80%	98%	66%	64%	71%	80%	36%	76%	60
Nyandarua	98%	97%	27%	16%	26%	26%	9%	48%	38
Nyeri	100%	77%	21%	21%	24%	21%	16%	44%	43

County	Room with visual and auditory privacy	HIV diagnostic capacity for adults	DBS for diagnosing newborn HIV	Zidovudine syrup	Nevirapine syrup	Maternal ARV prophylaxis	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Samburu	94%	82%	15%	18%	23%	35%	5%	45%	35
Siaya	83%	96%	61%	68%	68%	68%	40%	74%	56
Taita taveta	94%	93%	55%	40%	53%	60%	29%	66%	43
Tana river	79%	86%	41%	16%	44%	44%	9%	52%	30
Tharaka-nithi	88%	91%	21%	24%	23%	26%	15%	45%	44
Trans nzoia	88%	95%	26%	29%	34%	39%	11%	52%	47
Turkana	95%	89%	22%	29%	28%	29%	19%	49%	46
Uasin gishu	84%	92%	15%	34%	44%	36%	11%	51%	53
Vihiga	79%	89%	42%	54%	59%	64%	24%	64%	41
Wajir	21%	88%	6%	5%	5%	6%	3%	22%	31
West pokot	93%	98%	6%	10%	10%	10%	6%	38%	46
Facility type									
Secondary & tertiary hospitals	95%	95%	68%	89%	89%	89%	58%	88%	19
Public primary hospitals	85%	98%	85%	82%	89%	92%	61%	89%	303
Private/ngo/ fbo primary hospitals	88%	97%	53%	62%	63%	65%	42%	71%	75
Health centres	86%	94%	52%	51%	60%	63%	35%	68%	427
Dispensaries	84%	93%	27%	32%	40%	44%	14%	53%	1108
Medical clinics	84%	88%	8%	9%	9%	12%	2%	35%	370
Managing authority									
Government	83%	94%	38%	41%	51%	55%	22%	60%	1525
Ngo / fbo	92%	95%	40%	44%	48%	52%	32%	62%	264
Private	84%	89%	13%	14%	15%	18%	6%	39%	513
Urban/rural									
Urban	85%	92%	29%	30%	33%	36%	18%	51%	574
Rural	84%	93%	32%	35%	43%	46%	19%	56%	1728
Total	**84%**	**93%**	**31%**	**34%**	**40%**	**44%**	**19%**	**54%**	**2302**

Annex Table 58: Percentage of facilities that offer Pediatric HIV services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Offers any pediatric HIV services or referral of children to HIV care and treatment services elsewhere	HTC to children under 5	ART for paediatric HIV patients	HIV care and support for children	HTC for children 5-9 years of age	HTC to minor adolescents 10-19	Total number of facilities
Baringo	63%	61%	9%	11%	73%	50%	63
Bomet	58%	52%	46%	44%	55%	52%	56
Bungoma	91%	89%	62%	55%	93%	71%	67
Busia	75%	70%	63%	39%	89%	87%	56
Elgeyo-marakwet	60%	55%	29%	44%	65%	66%	53
Embu	75%	73%	22%	25%	75%	66%	63
Garissa	16%	16%	8%	4%	28%	37%	59
Homa bay	84%	81%	68%	65%	86%	89%	74
Isiolo	89%	87%	67%	73%	89%	57%	36
Kajiado	42%	37%	23%	23%	51%	61%	67
Kakamega	64%	56%	51%	53%	62%	50%	73
Kericho	67%	64%	26%	29%	72%	73%	63
Kiambu	51%	36%	10%	40%	58%	48%	86
Kilifi	66%	56%	46%	29%	68%	65%	69
Kirinyaga	49%	46%	27%	27%	59%	45%	63
Kisii	88%	82%	72%	72%	83%	42%	75
Kisumu	75%	74%	60%	51%	81%	70%	73
Kitui	56%	53%	31%	25%	57%	60%	75
Kwale	76%	69%	65%	53%	76%	72%	54
Laikipia	71%	69%	38%	35%	67%	71%	58
Lamu	51%	48%	30%	27%	60%	46%	34
Machakos	63%	60%	15%	19%	66%	76%	71
Makueni	72%	68%	33%	19%	79%	82%	73
Mandera	21%	20%	5%	7%	38%	63%	54
Marsabit	57%	43%	35%	24%	68%	68%	48
Meru	37%	35%	12%	7%	44%	36%	83
Migori	77%	75%	55%	46%	81%	72%	69
Mombasa	34%	31%	22%	19%	36%	49%	70
Murang'a	61%	58%	15%	27%	66%	64%	67
Nairobi	54%	53%	31%	30%	57%	54%	89
Nakuru	63%	57%	36%	28%	64%	70%	87
Nandi	75%	71%	27%	17%	77%	80%	62
Narok	62%	53%	41%	37%	62%	71%	59
Nyamira	95%	95%	78%	65%	97%	80%	61

County	Offers any pediatric HIV services or referral of children to HIV care and treatment services elsewhere	HTC to children under 5	ART for paediatric HIV patients	HIV care and support for children	HTC for children 5-9 years of age	HTC to minor adolescents 10-19	Total number of facilities
Nyandarua	45%	41%	17%	19%	49%	58%	57
Nyeri	48%	48%	11%	15%	48%	34%	72
Samburu	60%	54%	32%	24%	65%	73%	41
Siaya	77%	76%	64%	62%	76%	62%	69
Taita taveta	78%	73%	59%	60%	74%	76%	49
Tana river	62%	59%	28%	27%	75%	60%	38
Tharaka-nithi	53%	47%	23%	29%	79%	76%	55
Trans nzoia	63%	59%	24%	19%	69%	60%	58
Turkana	59%	53%	28%	28%	63%	54%	61
Uasin gishu	60%	56%	19%	22%	61%	78%	62
Vihiga	76%	72%	60%	60%	83%	78%	45
Wajir	25%	23%	4%	2%	32%	26%	54
West pokot	36%	29%	11%	8%	59%	61%	56
Facility type							
Secondary & tertiary hospitals	100%	90%	100%	75%	100%	90%	20
Public primary hospitals	97%	91%	95%	87%	96%	80%	307
Private/ngo/ fbo primary hospitals	75%	70%	58%	46%	76%	75%	84
Health centres	74%	69%	57%	51%	78%	73%	465
Dispensaries	68%	63%	36%	34%	72%	68%	1261
Medical clinics	37%	34%	7%	11%	42%	42%	790
Managing authority							
Government	74%	69%	48%	45%	77%	71%	1658
Ngo / fbo	68%	63%	41%	38%	74%	65%	323
Private	40%	36%	10%	13%	45%	47%	946
Urban/rural							
Urban	50%	45%	23%	23%	53%	53%	873
Rural	65%	61%	37%	35%	70%	65%	2054
Total	**60%**	**56%**	**32%**	**31%**	**64%**	**61%**	**2927**

Annex Table 59: Percentage of facilities that have tracer items for Pediatric HIV services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=1871), Kenya 2018

County	Nevirapine (NVP) syrup	Lamivudine (3TC) syrup	Efavirenz (EFV) syrup	Lopinivair (LPV) syrup	Cotrimoxazole syrup or dispersible tablets	Mean availability of items	Percent of facilities with all items	Total number of facilities
Baringo	23%	4%	0%	5%	79%	22%	0%	41
Bomet	68%	19%	13%	0%	91%	38%	0%	34
Bungoma	36%	16%	6%	13%	35%	21%	3%	61
Busia	75%	17%	11%	37%	46%	37%	5%	42
Elgeyo-marakwet	48%	1%	1%	1%	77%	26%	0%	33
Embu	41%	3%	0%	7%	92%	29%	0%	48
Garissa	46%	42%	42%	12%	66%	42%	0%	12
Homa bay	74%	6%	5%	45%	80%	42%	4%	64
Isiolo	50%	8%	2%	14%	87%	32%	2%	32
Kajiado	44%	9%	0%	9%	69%	26%	0%	30
Kakamega	63%	25%	16%	32%	74%	42%	6%	51
Kericho	45%	5%	3%	4%	80%	27%	3%	44
Kiambu	20%	0%	0%	2%	80%	20%	0%	48
Kilifi	59%	26%	22%	20%	69%	39%	7%	46
Kirinyaga	56%	14%	9%	29%	81%	38%	9%	31
Kisii	73%	33%	23%	37%	69%	47%	15%	67
Kisumu	72%	38%	32%	36%	83%	52%	15%	57
Kitui	55%	30%	21%	11%	87%	41%	6%	47
Kwale	69%	15%	15%	5%	95%	40%	0%	42
Laikipia	43%	31%	31%	7%	84%	39%	3%	42
Lamu	52%	6%	6%	0%	52%	23%	0%	18
Machakos	17%	7%	4%	11%	80%	24%	4%	46
Makueni	39%	5%	2%	3%	91%	28%	0%	55
Mandera	16%	4%	0%	8%	81%	22%	0%	14
Marsabit	46%	0%	0%	2%	93%	28%	0%	28
Meru	41%	13%	5%	5%	69%	27%	0%	38
Migori	67%	8%	5%	37%	71%	38%	1%	54
Mombasa	61%	7%	6%	15%	83%	34%	1%	27
Murang'a	45%	6%	0%	4%	90%	29%	0%	43
Nairobi	46%	1%	4%	0%	81%	26%	0%	53
Nakuru	50%	15%	9%	21%	86%	36%	4%	60
Nandi	27%	6%	5%	9%	85%	26%	1%	47
Narok	56%	1%	1%	9%	92%	32%	1%	37
Nyamira	73%	9%	8%	18%	75%	37%	4%	58
Nyandarua	34%	12%	4%	11%	92%	31%	0%	27

County	Nevirapine (NVP) syrup	Lamivudine (3TC) syrup	Efavirenz (EFV) syrup	Lopinivair (LPV) syrup	Cotrimoxazole syrup or dispersible tablets	Mean availability of items	Percent of facilities with all items	Total number of facilities
Nyeri	29%	3%	3%	0%	84%	24%	0%	36
Samburu	33%	15%	15%	15%	87%	33%	11%	25
Siaya	72%	7%	0%	11%	72%	32%	0%	55
Taita taveta	56%	0%	0%	3%	92%	30%	0%	39
Tana river	51%	7%	9%	0%	47%	23%	0%	24
Tharaka-nithi	34%	1%	0%	4%	76%	23%	0%	30
Trans nzoia	39%	0%	0%	1%	46%	17%	0%	38
Turkana	35%	32%	23%	12%	74%	35%	11%	37
Uasin gishu	51%	5%	7%	8%	64%	27%	2%	38
Vihiga	63%	15%	18%	24%	94%	43%	3%	34
Wajir	11%	0%	0%	0%	19%	6%	0%	16
West pokot	23%	7%	13%	7%	62%	23%	2%	22
Facility type								
Secondary & tertiary hospitals	85%	40%	10%	40%	95%	54%	10%	20
Public primary hospitals	90%	19%	11%	40%	90%	50%	7%	298
Private/ngo/fbo primary hospitals	72%	18%	18%	18%	94%	44%	10%	60
Health centres	70%	17%	11%	21%	81%	40%	4%	348
Dispensaries	47%	11%	9%	11%	75%	31%	2%	861
Medical clinics	13%	1%	1%	3%	73%	18%	1%	284
Managing authority								
Government	59%	14%	9%	16%	77%	35%	3%	1281
Ngo / fbo	55%	13%	11%	16%	85%	36%	6%	216
Private	20%	5%	3%	5%	75%	22%	2%	374
Urban/rural								
Urban	40%	10%	8%	11%	75%	29%	4%	479
Rural	51%	12%	8%	14%	78%	33%	3%	1392
Total	**48%**	**11%**	**8%**	**13%**	**77%**	**32%**	**3%**	**1871**

Annex Table 60: Percentage of facilities that offer sexually transmitted infection services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Offers services for STIs	Total number of facilities
Baringo	60%	63
Bomet	72%	56
Bungoma	92%	67
Busia	93%	56
Elgeyo-marakwet	94%	53
Embu	86%	63
Garissa	63%	59
Homa bay	96%	74
Isiolo	98%	36
Kajiado	81%	67
Kakamega	95%	73
Kericho	84%	63
Kiambu	95%	86
Kilifi	81%	69
Kirinyaga	89%	63
Kisii	92%	75
Kisumu	90%	73
Kitui	59%	75
Kwale	88%	54
Laikipia	90%	58
Lamu	94%	34
Machakos	83%	71
Makueni	86%	73
Mandera	82%	54
Marsabit	65%	48
Meru	69%	83
Migori	88%	69
Mombasa	83%	70
Murang'a	89%	67
Nairobi	87%	89
Nakuru	90%	87
Nandi	97%	62
Narok	95%	59
Nyamira	95%	61
Nyandarua	85%	57
Nyeri	93%	72
Samburu	80%	41
Siaya	93%	69
Taita taveta	96%	49
Tana river	84%	38

County	Offers services for STIs	Total number of facilities
Tharaka-nithi	79%	55
Trans nzoia	85%	58
Turkana	55%	61
Uasin gishu	91%	62
Vihiga	93%	45
Wajir	58%	54
West pokot	81%	56
Facility type		
Secondary & tertiary hospitals	100%	20
Public primary hospitals	99%	307
Private/ngo/fbo primary hospitals	99%	84
Health centres	92%	465
Dispensaries	81%	1261
Medical clinics	83%	790
Managing authority		
Government	83%	1658
Ngo / fbo	90%	323
Private	85%	946
Urban/rural		
Urban	88%	873
Rural	83%	2054
Total	**85%**	**2927**

Annex Table 61: Percentage of facilities that have tracer items for sexually transmitted infection services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2512), Kenya 2018

County	Syphilis rapid test	Condoms	Metronidazole	Ciprofloxacin	Ceftriaxone injectable	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Baringo	61%	77%	54%	72%	55%	23%	64%	39
Bomet	63%	90%	25%	82%	72%	10%	66%	42
Bungoma	84%	71%	60%	58%	33%	18%	61%	62
Busia	74%	75%	51%	77%	59%	16%	67%	52
Elgeyo-marakwet	31%	76%	35%	74%	17%	12%	46%	50
Embu	71%	84%	61%	88%	87%	26%	78%	55
Garissa	83%	68%	63%	65%	62%	20%	68%	39
Homa bay	82%	86%	53%	91%	67%	30%	76%	72
Isiolo	70%	78%	46%	80%	57%	13%	66%	35
Kajiado	76%	81%	65%	71%	59%	40%	70%	55
Kakamega	76%	83%	41%	57%	67%	18%	65%	70
Kericho	73%	75%	73%	53%	47%	22%	64%	54
Kiambu	72%	68%	81%	81%	85%	31%	77%	82
Kilifi	79%	88%	69%	86%	82%	56%	81%	56
Kirinyaga	67%	51%	70%	79%	67%	24%	67%	56
Kisii	60%	89%	42%	78%	62%	30%	66%	70
Kisumu	68%	83%	63%	90%	80%	30%	77%	66
Kitui	60%	82%	73%	89%	84%	36%	77%	49
Kwale	69%	84%	82%	84%	91%	45%	82%	48
Laikipia	75%	76%	78%	78%	53%	33%	72%	53
Lamu	71%	84%	71%	66%	75%	33%	73%	32
Machakos	63%	78%	91%	78%	77%	33%	77%	60
Makueni	65%	86%	82%	93%	50%	30%	75%	64
Mandera	90%	66%	60%	83%	71%	19%	74%	45
Marsabit	46%	72%	89%	100%	92%	24%	80%	32
Meru	58%	56%	65%	67%	55%	19%	60%	61
Migori	77%	82%	48%	62%	57%	23%	65%	62
Mombasa	82%	63%	84%	87%	86%	42%	80%	59
Murang'a	63%	76%	98%	82%	44%	18%	73%	60
Nairobi	88%	61%	85%	88%	88%	36%	82%	79
Nakuru	72%	82%	61%	66%	70%	34%	70%	79
Nandi	66%	75%	38%	89%	84%	16%	70%	60
Narok	70%	77%	93%	98%	96%	46%	87%	56
Nyamira	72%	94%	49%	61%	65%	28%	68%	58
Nyandarua	74%	79%	75%	98%	79%	33%	81%	49
Nyeri	43%	72%	73%	84%	71%	19%	69%	67

County	Syphilis rapid test	Condoms	Metronidazole	Ciprofloxacin	Ceftriaxone injectable	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Samburu	40%	89%	55%	86%	91%	26%	72%	33
Siaya	73%	85%	55%	58%	50%	26%	64%	65
Taita taveta	82%	86%	71%	95%	90%	54%	85%	47
Tana river	57%	77%	61%	48%	43%	0%	57%	32
Tharaka-nithi	69%	76%	52%	68%	64%	18%	66%	44
Trans nzoia	73%	71%	47%	60%	77%	20%	66%	50
Turkana	47%	66%	72%	71%	60%	12%	63%	35
Uasin gishu	64%	83%	70%	83%	63%	31%	73%	57
Vihiga	66%	77%	57%	84%	74%	26%	72%	42
Wajir	61%	55%	52%	60%	36%	0%	53%	33
West pokot	48%	69%	75%	62%	71%	19%	65%	46
Facility type								
Secondary & tertiary hospitals	100%	90%	80%	95%	95%	65%	92%	20
Public primary hospitals	92%	97%	68%	95%	87%	57%	88%	304
Private/ngo/ fbo primary hospitals	98%	45%	95%	95%	91%	41%	85%	83
Health centres	87%	79%	66%	81%	74%	35%	77%	429
Dispensaries	59%	83%	54%	73%	58%	15%	65%	1025
Medical clinics	67%	66%	81%	78%	76%	36%	74%	651
Managing authority								
Government	64%	91%	49%	73%	58%	18%	67%	1423
Ngo / fbo	82%	47%	86%	86%	80%	28%	76%	289
Private	72%	67%	84%	81%	79%	40%	76%	800
Urban/rural								
Urban	79%	65%	78%	79%	78%	38%	76%	776
Rural	64%	81%	61%	77%	64%	23%	70%	1736
Total	**69%**	**76%**	**67%**	**78%**	**69%**	**28%**	**72%**	**2512**

Annex Table 62: Percentage of facilities that offer neglected tropical disease services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Facility offers diagnosis and treatment for NTDs	Lymphedema diagnosis and treatment is available	Soil transmitted helminths diagnosis and treatment is available	Schistosomiasis diagnosis and treatment is available	Trachoma diagnosis and treatment is available	Onchocerciasis diagnosis and treatment is available	Lymphatic filariasis diagnosis and treatment is available	Dengue diagnosis and treatment is available	Guinea-worm disease diagnosis and treatment is available	Visceral leishmaniasis diagnosis and treatment is available	Support services outside facility related to NTDs & focal person identified	Specific community related services for NTDs: mass drug administration	Specific community related services for NTDs: active case findings	Specific community related services for NTDs: contact tracing activities	Specific community related services for NTDs: vector surveillance control activities	Specific community related services for NTDs: vetrinary public health interventions	Specific community related services for NTDs: community awareness for NTDs	Specific community related services for NTDs: school health programs	Specific community related services for NTDs: school health programs	Total number of facilities
Baringo	5%	1%	5%	1%	1%	1%	1%	0%	0%	2%	2%	2%	2%	2%	2%	0%	0%	0%	0%	63
Bomet	12%	1%	12%	1%	1%	1%	1%	1%	0%	0%	4%	2%	4%	4%	2%	2%	4%	2%	2%	56
Bungoma	19%	4%	16%	4%	4%	2%	4%	2%	2%	2%	3%	4%	2%	2%	2%	2%	2%	2%	2%	67
Busia	37%	12%	37%	21%	16%	5%	9%	0%	1%	4%	12%	5%	7%	7%	3%	1%	6%	6%	6%	56
Elgeyo-marakwet	70%	26%	70%	2%	3%	1%	2%	1%	1%	2%	26%	15%	5%	8%	1%	2%	21%	26%	26%	53
Embu	24%	3%	24%	4%	1%	1%	6%	3%	3%	3%	1%	0%	2%	1%	1%	0%	1%	1%	1%	63
Garissa	12%	4%	6%	12%	3%	1%	6%	1%	2%	3%	3%	0%	3%	3%	3%	2%	3%	3%	3%	59
Homa bay	56%	14%	56%	37%	6%	2%	5%	0%	2%	3%	40%	29%	28%	28%	6%	3%	21%	26%	26%	74
Isiolo	13%	2%	13%	7%	7%	2%	2%	0%	0%	13%	8%	6%	6%	6%	8%	6%	6%	6%	6%	36
Kajiado	17%	2%	7%	10%	17%	6%	6%	5%	6%	6%	1%	1%	1%	1%	0%	0%	0%	0%	0%	67
Kakamega	27%	6%	27%	15%	10%	6%	9%	4%	12%	7%	7%	1%	3%	2%	1%	0%	3%	3%	3%	73
Kericho	18%	11%	18%	13%	10%	10%	12%	11%	11%	11%	1%	1%	1%	1%	1%	1%	1%	1%	1%	63
Kiambu	56%	15%	56%	20%	17%	8%	15%	9%	9%	11%	3%	3%	6%	6%	2%	1%	4%	4%	4%	86
Kilifi	31%	9%	29%	30%	25%	23%	12%	19%	6%	5%	10%	9%	7%	10%	2%	2%	9%	7%	7%	69
Kirinyaga	44%	7%	44%	12%	1%	1%	4%	0%	0%	1%	4%	3%	4%	6%	0%	0%	3%	0%	0%	63
Kisii	43%	10%	31%	8%	9%	5%	7%	1%	1%	3%	16%	15%	18%	19%	9%	3%	12%	12%	12%	75
Kisumu	54%	22%	49%	46%	21%	18%	21%	18%	22%	21%	25%	10%	12%	7%	3%	2%	2%	5%	5%	73
Kitui	8%	2%	5%	4%	2%	0%	1%	0%	0%	0%	2%	2%	2%	2%	2%	2%	2%	2%	2%	75
Kwale	45%	3%	43%	45%	15%	5%	9%	5%	4%	2%	6%	5%	9%	8%	4%	2%	2%	12%	12%	54
Laikipia	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	58
Lamu	58%	2%	58%	29%	5%	2%	2%	2%	0%	0%	22%	3%	6%	9%	3%	0%	3%	16%	16%	34

County	Facility offers diagnosis and treatment for NTDs	Lymphedema diagnosis and treatment is available	Soil transmitted helminths diagnosis and treatment is available	Schistosomiasis diagnosis and treatment is available	Trachoma diagnosis and treatment is available	Onchocerciasis diagnosis and treatment is available	Lymphatic filariasis diagnosis and treatment is available	Dengue diagnosis and treatment is available	Guinea-worm disease diagnosis and treatment is available	Visceral leishmaniasis diagnosis and treatment is available	Support services outside facility related to NTDs & focal person identified	Specific community related services for NTDs: mass drug administration	Specific community related services for NTDs: active case findings	Specific community related services for NTDs: contact tracing activities	Specific community related services for NTDs: vector surveillance control activities	Specific community related services for NTDs: vetrinary public health interventions	Specific community related services for NTDs: community awareness for NTDs	Specific community related services for NTDs: school health programs	Total number of facilities
Machakos	18%	7%	15%	14%	9%	5%	7%	5%	6%	6%	0%	0%	0%	0%	0%	0%	0%	0%	71
Makueni	23%	6%	23%	13%	8%	4%	4%	0%	4%	2%	3%	4%	3%	3%	2%	0%	3%	3%	73
Mandera	41%	0%	40%	4%	2%	0%	2%	35%	4%	1%	3%	3%	3%	3%	2%	0%	3%	1%	54
Marsabit	7%	2%	5%	2%	4%	1%	2%	1%	1%	3%	1%	1%	1%	0%	1%	1%	1%	1%	48
Meru	8%	1%	8%	2%	3%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	83
Migori	40%	10%	37%	27%	17%	12%	4%	2%	8%	5%	10%	5%	4%	3%	4%	2%	6%	7%	69
Mombasa	48%	4%	45%	36%	5%	4%	5%	37%	2%	4%	2%	3%	5%	5%	0%	0%	3%	3%	70
Murang'a	53%	10%	53%	12%	9%	6%	8%	1%	1%	3%	30%	21%	25%	25%	25%	18%	20%	18%	67
Nairobi	60%	20%	60%	27%	16%	8%	20%	9%	21%	12%	3%	4%	6%	3%	3%	0%	2%	2%	89
Nakuru	15%	11%	14%	12%	9%	9%	9%	9%	6%	7%	3%	1%	1%	1%	2%	2%	2%	1%	87
Nandi	21%	5%	21%	6%	6%	6%	5%	5%	5%	5%	2%	2%	3%	3%	2%	2%	2%	2%	62
Narok	9%	5%	9%	5%	2%	1%	1%	0%	1%	1%	4%	2%	2%	4%	4%	4%	2%	4%	59
Nyamira	36%	7%	36%	5%	4%	1%	6%	0%	1%	4%	9%	9%	6%	4%	2%	6%	2%	10%	61
Nyandarua	4%	1%	2%	0%	1%	0%	0%	0%	0%	2%	1%	1%	1%	1%	1%	1%	1%	1%	57
Nyeri	41%	8%	40%	2%	4%	2%	7%	1%	2%	0%	12%	6%	8%	11%	6%	6%	8%	9%	72
Samburu	65%	5%	65%	13%	62%	8%	8%	1%	3%	3%	30%	15%	19%	24%	17%	9%	19%	24%	41
Siaya	43%	7%	42%	31%	18%	17%	9%	4%	6%	9%	18%	12%	13%	17%	8%	1%	14%	14%	69
Taita taveta	56%	20%	39%	46%	13%	6%	9%	12%	9%	3%	14%	0%	7%	2%	0%	5%	13%	4%	49
Tana river	54%	26%	51%	48%	35%	29%	32%	14%	19%	17%	14%	0%	5%	3%	0%	0%	3%	8%	38
Tharaka-nithi	47%	2%	38%	10%	2%	2%	5%	2%	0%	0%	12%	10%	10%	0%	4%	4%	0%	12%	55
Trans nzoia	9%	4%	9%	5%	4%	3%	4%	2%	1%	2%	3%	0%	0%	0%	0%	0%	0%	0%	58
Turkana	7%	4%	5%	1%	5%	2%	4%	1%	3%	3%	7%	4%	4%	4%	4%	2%	4%	4%	61
Uasin gishu	11%	6%	11%	8%	6%	5%	8%	4%	4%	4%	3%	2%	2%	2%	2%	0%	2%	2%	62
Vihiga	15%	8%	15%	3%	6%	1%	1%	0%	0%	1%	3%	2%	2%	2%	0%	0%	2%	2%	45
Wajir	5%	1%	5%	5%	2%	0%	1%	2%	0%	3%	1%	0%	0%	1%	0%	0%	1%	1%	54

County	Facility offers diagnosis and treatment for NTDs	Lymphedema diagnosis and treatment is available	Soil transmitted helminths diagnosis and treatment is available	Schistosomiasis diagnosis and treatment is available	Trachoma diagnosis and treatment is available	Onchocerciasis diagnosis and treatment is available	Lymphatic filariasis diagnosis and treatment is available	Dengue diagnosis and treatment is available	Guinea-worm disease diagnosis and treatment is available	Visceral leishmaniasis diagnosis and treatment is available	Support services outside facility related to NTDs & focal person identified	Specific community related services for NTDs: mass drug administration	Specific community related services for NTDs: active case findings	Specific community related services for NTDs: contact tracing activities	Specific community related services for NTDs: vector surveillance control activities	Specific community related services for NTDs: vetrinary public health interventions	Specific community related services for NTDs: community awareness for NTDs	Specific community related services for NTDs: school health programs	Total number of facilities
West pokot	4%	3%	4%	1%	4%	1%	3%	1%	1%	2%	3%	1%	2%	2%	1%	1%	2%	2%	56
Facility type																			
Secondary & tertiary hospitals	100%	90%	100%	75%	70%	55%	85%	70%	60%	70%	25%	15%	15%	10%	5%	10%	15%	20%	20
Public primary hospitals	62%	33%	60%	44%	35%	24%	29%	19%	20%	24%	36%	18%	23%	20%	17%	12%	19%	21%	307
Private/ngo/ fbo primary hospitals	71%	45%	70%	56%	42%	25%	51%	33%	32%	34%	9%	8%	12%	13%	5%	4%	10%	7%	84
Health centres	38%	8%	35%	19%	10%	5%	8%	6%	6%	6%	13%	7%	9%	8%	4%	3%	7%	9%	465
Dispensaries	24%	3%	23%	9%	5%	3%	3%	2%	2%	2%	8%	5%	6%	6%	4%	2%	5%	6%	1261
Medical clinics	28%	7%	27%	12%	8%	5%	6%	6%	5%	4%	1%	1%	1%	1%	0%	0%	0%	0%	790
Managing authority																			
Government	26%	6%	24%	11%	7%	4%	4%	3%	3%	3%	11%	7%	8%	8%	5%	3%	7%	8%	1658
Ngo / fbo	42%	11%	40%	22%	14%	7%	9%	7%	7%	6%	10%	7%	8%	9%	4%	2%	6%	6%	323
Private	32%	10%	31%	17%	10%	7%	10%	8%	7%	6%	1%	1%	1%	1%	0%	0%	1%	1%	946
Urban/rural																			
Urban	38%	14%	37%	21%	13%	9%	14%	11%	10%	9%	4%	3%	4%	3%	2%	1%	2%	2%	873
Rural	27%	5%	25%	11%	7%	3%	4%	2%	3%	3%	9%	6%	6%	6%	4%	3%	5%	6%	2054
Total	**31%**	**8%**	**29%**	**15%**	**9%**	**5%**	**7%**	**5%**	**5%**	**5%**	**7%**	**5%**	**5%**	**5%**	**3%**	**2%**	**4%**	**5%**	**2927**

Annex Table 63: Percentage of facilities that have tracer items for neglected tropical disease services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=939), Kenya 2018

County	Stool or urine microscopy	Urine filtration or centrifuge	Kato katz test (for helminth)	Rapid test for dengue or microscopy for dengue	LF Diagnostic capacity: Microscopy (microfilaria), filariasis test strip (FTS)	Visceral leishmaniasis Diagnostic capacity: VL RDT or VL DAT or Microscopy, or molecular test (PCR)	Praziquantel	Albendazole/ mebendazole	Ivermectin	Trachoma Treatment: Azithromycin, tetracycline eye ointment	Lymphatic filariasis (LF) Treatment: Diethylcarbamazine (DEC), Ivermectin, albendazole	Mean availability of items	Percent of facilities with all items	Total number of facilities
Baringo	50%	50%	0%	0%	0%	50%	40%	60%	0%	60%	60%	34%	0%	4
Bomet	57%	57%	0%	0%	6%	0%	22%	86%	22%	28%	86%	33%	0%	7
Bungoma	40%	58%	0%	0%	18%	18%	0%	66%	8%	28%	66%	27%	0%	12
Busia	32%	54%	6%	0%	12%	0%	8%	84%	0%	51%	84%	30%	0%	23
Elgeyo-marakwet	15%	32%	0%	0%	0%	1%	1%	57%	0%	7%	57%	16%	0%	38
Embu	56%	56%	0%	0%	28%	2%	2%	100%	6%	67%	100%	38%	0%	17
Garissa	79%	100%	33%	0%	43%	38%	16%	83%	0%	62%	83%	49%	0%	9
Homa bay	54%	61%	0%	0%	14%	3%	19%	79%	3%	45%	79%	33%	0%	44
Isiolo	53%	53%	0%	0%	26%	53%	13%	100%	0%	26%	100%	39%	0%	5
Kajiado	37%	54%	0%	8%	10%	0%	10%	91%	10%	65%	91%	34%	0%	12
Kakamega	20%	39%	0%	0%	8%	12%	14%	82%	0%	49%	82%	28%	0%	22
Kericho	53%	53%	0%	0%	9%	9%	0%	89%	9%	69%	100%	36%	0%	14
Kiambu	57%	64%	2%	0%	30%	4%	3%	90%	2%	86%	90%	39%	0%	50
Kilifi	34%	40%	7%	45%	24%	1%	67%	77%	35%	67%	77%	43%	0%	24
Kirinyaga	49%	53%	0%	0%	8%	9%	7%	89%	0%	46%	89%	32%	0%	29
Kisii	30%	51%	0%	0%	3%	5%	10%	86%	0%	45%	86%	29%	0%	36
Kisumu	52%	58%	3%	0%	23%	7%	34%	92%	10%	66%	92%	40%	0%	42
Kitui	4%	19%	0%	0%	4%	0%	23%	100%	0%	96%	100%	32%	0%	7
Kwale	25%	20%	2%	13%	6%	6%	96%	100%	4%	52%	100%	39%	0%	25
Laikipia	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0
Lamu	24%	27%	5%	19%	19%	0%	69%	84%	0%	50%	84%	35%	0%	20
Machakos	42%	51%	15%	0%	29%	15%	20%	85%	0%	60%	85%	37%	0%	17
Makueni	50%	50%	0%	0%	15%	0%	22%	100%	0%	57%	100%	36%	0%	22
Mandera	30%	32%	0%	55%	7%	8%	25%	100%	5%	74%	100%	40%	0%	23
Marsabit	57%	87%	30%	0%	43%	57%	57%	100%	0%	100%	100%	57%	0%	5
Meru	34%	42%	0%	0%	34%	14%	3%	65%	0%	39%	65%	27%	0%	11
Migori	15%	32%	0%	0%	3%	4%	20%	96%	4%	36%	100%	28%	0%	29
Mombasa	58%	62%	7%	62%	20%	16%	29%	94%	7%	81%	94%	48%	0%	36
Murang'a	51%	60%	0%	0%	9%	1%	6%	91%	3%	85%	91%	36%	0%	37
Nairobi	39%	65%	3%	1%	19%	3%	4%	91%	4%	80%	91%	36%	0%	54
Nakuru	70%	72%	9%	9%	40%	18%	13%	91%	24%	72%	91%	46%	0%	17
Nandi	42%	51%	0%	0%	18%	0%	10%	98%	0%	66%	98%	35%	0%	15
Narok	53%	53%	0%	0%	7%	0%	0%	79%	0%	27%	79%	27%	0%	7
Nyamira	28%	58%	6%	0%	24%	0%	6%	71%	6%	29%	71%	27%	0%	23
Nyandarua	100%	100%	0%	0%	15%	41%	0%	100%	0%	59%	100%	47%	0%	4

County	Stool or urine microscopy	Urine filtration or centrifuge	Kato katz test (for helminth)	Rapid test for dengue or microscopy for dengue	LF Diagnostic capacity: Microscopy (microfilaria), filariasis test strip (FTS)	Visceral leishmaniasis Diagnostic capacity: VL RDT or VL DAT or Microscopy, or molecular test (PCR)	Praziquantel	Albendazole/ mebendazole	Ivermectin	Trachoma Treatment: Azithromycin, tetracycline eye ointment	Lymphatic filariasis (LF) Treatment: Diethylcarbamazine (DEC), Ivermectin, albendazole	Mean availability of items	Percent of facilities with all items	Total number of facilities
Nyeri	34%	47%	4%	0%	12%	0%	12%	96%	11%	63%	96%	34%	0%	31
Samburu	18%	16%	0%	0%	0%	0%	10%	81%	4%	69%	81%	25%	0%	27
Siaya	42%	34%	0%	0%	33%	0%	21%	74%	0%	40%	78%	29%	0%	32
Taita taveta	23%	38%	0%	17%	11%	0%	53%	96%	4%	69%	96%	37%	0%	28
Tana river	16%	21%	0%	0%	3%	5%	75%	95%	5%	42%	95%	32%	0%	21
Tharaka-nithi	23%	20%	0%	0%	4%	14%	17%	100%	0%	38%	100%	29%	0%	26
Trans nzoia	75%	100%	0%	0%	48%	18%	0%	100%	0%	55%	100%	45%	0%	7
Turkana	51%	75%	6%	0%	26%	38%	19%	75%	6%	19%	75%	36%	0%	6
Uasin gishu	70%	70%	17%	4%	53%	4%	39%	100%	22%	55%	100%	49%	0%	7
Vihiga	38%	38%	0%	0%	0%	0%	23%	100%	15%	69%	100%	35%	0%	7
Wajir	56%	56%	0%	19%	19%	38%	19%	100%	0%	19%	100%	39%	0%	4
West pokot	19%	0%	19%	0%	19%	19%	19%	38%	0%	38%	38%	19%	0%	3
Facility type														
Secondary & tertiary hospitals	75%	95%	0%	25%	70%	25%	50%	95%	30%	85%	95%	59%	0%	20
Public primary hospitals	65%	82%	2%	8%	27%	14%	36%	97%	3%	69%	97%	45%	0%	191
Private/ngo/ fbo primary hospitals	80%	89%	10%	11%	32%	14%	34%	88%	20%	95%	88%	51%	0%	53
Health centres	47%	65%	1%	8%	18%	8%	19%	89%	5%	58%	90%	37%	0%	169
Dispensaries	31%	35%	1%	1%	11%	1%	14%	89%	1%	46%	89%	29%	0%	302
Medical clinics	34%	46%	4%	7%	17%	6%	11%	85%	6%	72%	85%	34%	0%	204
Managing authority														
Government	35%	43%	1%	2%	11%	4%	19%	89%	1%	40%	89%	30%	0%	535
Ngo / fbo	51%	66%	3%	5%	24%	7%	13%	92%	2%	77%	92%	39%	0%	120
Private	44%	56%	5%	11%	21%	7%	17%	86%	10%	78%	87%	38%	0%	284
Urban/rural														
Urban	51%	67%	4%	12%	24%	9%	17%	89%	10%	78%	89%	41%	0%	344
Rural	35%	42%	2%	2%	12%	4%	18%	88%	2%	50%	88%	31%	0%	595
Total	**41%**	**52%**	**3%**	**6%**	**17%**	**6%**	**17%**	**88%**	**5%**	**62%**	**88%**	**35%**	**0%**	**939**

Annex Table 64: Percentage of facilities that offer diabetes services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Diabetes diagnosis and/or management	Total number of facilities
Baringo	36%	63
Bomet	58%	56
Bungoma	22%	67
Busia	57%	56
Elgeyo-marakwet	37%	53
Embu	77%	63
Garissa	51%	59
Homa bay	46%	74
Isiolo	38%	36
Kajiado	78%	67
Kakamega	53%	73
Kericho	41%	63
Kiambu	83%	86
Kilifi	53%	69
Kirinyaga	82%	63
Kisii	55%	75
Kisumu	61%	73
Kitui	54%	75
Kwale	61%	54
Laikipia	20%	58
Lamu	75%	34
Machakos	62%	71
Makueni	64%	73
Mandera	84%	54
Marsabit	31%	48
Meru	58%	83
Migori	39%	69
Mombasa	62%	70
Murang'a	87%	67
Nairobi	75%	89
Nakuru	70%	87
Nandi	50%	62
Narok	32%	59
Nyamira	70%	61
Nyandarua	69%	57
Nyeri	78%	72
Samburu	32%	41
Siaya	59%	69
Taita taveta	74%	49
Tana river	62%	38

County	Diabetes diagnosis and/or management	Total number of facilities
Tharaka-nithi	75%	55
Trans nzoia	40%	58
Turkana	6%	61
Uasin gishu	44%	62
Vihiga	61%	45
Wajir	31%	54
West pokot	13%	56
Facility type		
Secondary & tertiary hospitals	100%	20
Public primary hospitals	96%	307
Private/ngo/fbo primary hospitals	100%	84
Health centres	77%	465
Dispensaries	42%	1261
Medical clinics	63%	790
Managing authority		
Government	47%	1658
Ngo / fbo	68%	323
Private	69%	946
Urban/rural		
Urban	70%	873
Rural	52%	2054
Total	**58%**	**2927**

Annex Table 65: Percentage of facilities that have tracer items for diabetes services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=1722, Kenya 2018

County	Blood pressure apparatus	Adult scale	Measuring tape	Blood glucose	Urine dipstick-protein	Urine dipstick-ketones	Metformin	Glibenclamide	Insulin regular injectable	Glucose 50% injectable	Gliclazide tablet or glipizide tablet	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Baringo	95%	100%	74%	63%	46%	46%	58%	48%	44%	77%	12%	7%	60%	25
Bomet	89%	84%	61%	56%	56%	56%	83%	64%	42%	51%	8%	5%	59%	33
Bungoma	90%	98%	58%	90%	100%	100%	46%	46%	32%	79%	13%	11%	68%	19
Busia	97%	91%	52%	93%	63%	63%	60%	48%	31%	63%	17%	1%	62%	33
Elgeyo-marakwet	95%	87%	60%	72%	74%	74%	64%	49%	27%	59%	8%	6%	61%	21
Embu	93%	90%	36%	69%	16%	16%	66%	50%	17%	51%	19%	0%	48%	50
Garissa	100%	92%	68%	73%	71%	71%	74%	52%	45%	75%	11%	4%	67%	32
Homa bay	96%	89%	68%	72%	45%	45%	61%	59%	43%	71%	2%	0%	59%	38
Isiolo	100%	100%	77%	68%	64%	64%	56%	51%	40%	77%	5%	0%	64%	14
Kajiado	98%	92%	61%	85%	57%	57%	63%	64%	39%	61%	11%	4%	63%	53
Kakamega	97%	85%	59%	73%	46%	46%	65%	59%	41%	80%	12%	0%	60%	43
Kericho	100%	95%	75%	78%	74%	74%	55%	54%	32%	79%	14%	10%	66%	29
Kiambu	100%	92%	49%	84%	64%	64%	81%	72%	44%	56%	10%	3%	65%	73
Kilifi	100%	88%	73%	71%	47%	47%	79%	68%	41%	77%	16%	5%	64%	38
Kirinyaga	98%	74%	34%	80%	54%	54%	54%	49%	28%	49%	16%	4%	54%	52
Kisii	92%	89%	34%	69%	71%	71%	47%	44%	50%	97%	9%	6%	61%	47
Kisumu	99%	97%	83%	73%	62%	62%	65%	74%	47%	77%	15%	3%	68%	47
Kitui	91%	84%	63%	68%	40%	40%	86%	72%	38%	74%	5%	1%	60%	46
Kwale	100%	97%	77%	84%	52%	52%	100%	81%	33%	84%	8%	4%	70%	34
Laikipia	100%	97%	58%	81%	40%	40%	71%	71%	52%	71%	29%	9%	64%	13
Lamu	100%	100%	73%	63%	47%	47%	67%	79%	17%	67%	15%	0%	61%	26
Machakos	92%	91%	60%	65%	55%	55%	74%	77%	45%	66%	13%	10%	63%	46
Makueni	90%	82%	58%	68%	56%	56%	78%	73%	27%	68%	6%	2%	60%	50
Mandera	94%	93%	65%	74%	52%	52%	74%	62%	58%	90%	9%	3%	66%	46
Marsabit	100%	100%	76%	71%	34%	34%	78%	93%	50%	93%	10%	0%	67%	16
Meru	93%	76%	41%	70%	50%	50%	77%	67%	27%	52%	3%	2%	55%	54
Migori	92%	81%	41%	70%	58%	58%	78%	76%	54%	77%	3%	0%	63%	33
Mombasa	100%	94%	66%	88%	88%	88%	73%	63%	49%	80%	14%	6%	73%	45
Murang'a	98%	96%	57%	65%	57%	57%	91%	81%	20%	57%	7%	0%	63%	59
Nairobi	100%	98%	83%	89%	86%	86%	79%	77%	56%	81%	27%	13%	78%	68
Nakuru	100%	88%	58%	67%	69%	69%	66%	61%	43%	68%	15%	5%	64%	65
Nandi	100%	76%	50%	65%	70%	70%	74%	68%	33%	73%	15%	0%	63%	32
Narok	100%	87%	69%	77%	81%	81%	61%	45%	40%	83%	5%	0%	66%	21
Nyamira	94%	94%	59%	64%	42%	42%	64%	56%	15%	61%	8%	3%	54%	44

County	Blood pressure apparatus	Adult scale	Measuring tape	Blood glucose	Urine dipstick-protein	Urine dipstick-ketones	Metformin	Glibenclamide	Insulin regular injectable	Glucose 50% injectable	Gliclazide tablet or glipizide tablet	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Nyandarua	97%	83%	31%	73%	60%	60%	100%	97%	34%	63%	6%	6%	64%	40
Nyeri	98%	89%	36%	49%	40%	40%	85%	82%	29%	36%	22%	3%	55%	57
Samburu	100%	92%	64%	69%	48%	48%	69%	77%	68%	92%	36%	12%	69%	14
Siaya	98%	100%	75%	75%	33%	33%	56%	58%	27%	74%	3%	0%	57%	45
Taita taveta	96%	100%	69%	68%	62%	62%	62%	71%	27%	72%	14%	6%	64%	37
Tana river	91%	84%	71%	51%	27%	27%	36%	45%	31%	53%	9%	0%	48%	24
Tharaka-nithi	97%	98%	38%	70%	45%	45%	73%	63%	22%	36%	0%	0%	53%	42
Trans nzoia	94%	79%	20%	86%	88%	88%	65%	62%	31%	83%	6%	0%	64%	26
Turkana	70%	70%	70%	100%	62%	62%	100%	70%	100%	100%	46%	16%	77%	6
Uasin gishu	100%	92%	56%	81%	71%	71%	77%	68%	38%	73%	26%	8%	68%	29
Vihiga	91%	82%	46%	63%	30%	30%	65%	54%	43%	76%	9%	2%	53%	28
Wajir	84%	77%	53%	67%	46%	46%	71%	64%	64%	74%	0%	0%	59%	19
West pokot	95%	74%	57%	100%	88%	88%	86%	63%	51%	74%	34%	5%	74%	10
Facility type														
Secondary & tertiary hospitals	95%	100%	75%	95%	90%	90%	95%	90%	100%	100%	70%	30%	91%	20
Public primary hospitals	95%	87%	67%	95%	72%	72%	90%	90%	83%	92%	16%	7%	78%	295
Private/ngo/fbo primary hospitals	96%	93%	70%	95%	86%	86%	96%	96%	92%	97%	42%	20%	86%	83
Health centres	97%	93%	66%	82%	68%	68%	79%	72%	51%	82%	11%	3%	70%	354
Dispensaries	96%	89%	69%	59%	47%	47%	65%	58%	19%	54%	3%	0%	55%	486
Medical clinics	98%	88%	40%	75%	57%	57%	70%	64%	32%	61%	16%	5%	60%	484
Managing authority														
Government	95%	88%	71%	61%	47%	47%	68%	62%	26%	61%	5%	1%	57%	873
Ngo / fbo	98%	93%	64%	89%	73%	73%	83%	78%	52%	75%	12%	4%	72%	208
Private	98%	90%	45%	79%	64%	64%	74%	68%	45%	70%	19%	7%	65%	641
Urban/rural														
Urban	97%	91%	60%	84%	71%	71%	75%	71%	53%	77%	22%	9%	70%	631
Rural	97%	89%	57%	66%	50%	50%	72%	64%	29%	61%	6%	1%	58%	1091
Total	**97%**	**90%**	**58%**	**74%**	**59%**	**59%**	**73%**	**67%**	**38%**	**67%**	**12%**	**4%**	**63%**	**1722**

Annex Table 66: Percentage of facilities that offer cardiovascular disease services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Offers cardiovascular disease diagnosis and/or management	Diagnose and treat hypertension	Diagnose and treat acute myocardial infarction	Diagnose and treat congestive heart failure	Diagnose and treat cerebral vascular event (stroke)	Total number of facilities
Baringo	35%	29%	1%	1%	2%	63
Bomet	56%	52%	1%	4%	3%	56
Bungoma	18%	18%	6%	6%	5%	67
Busia	61%	59%	2%	10%	8%	56
Elgeyo-marakwet	61%	53%	0%	3%	1%	53
Embu	92%	76%	7%	8%	7%	63
Garissa	52%	47%	5%	5%	4%	59
Homa bay	69%	69%	4%	9%	6%	74
Isiolo	43%	43%	2%	2%	2%	36
Kajiado	79%	74%	5%	5%	4%	67
Kakamega	60%	58%	10%	15%	14%	73
Kericho	43%	38%	6%	8%	7%	63
Kiambu	83%	74%	6%	10%	5%	86
Kilifi	50%	45%	3%	6%	5%	69
Kirinyaga	82%	76%	7%	9%	8%	63
Kisii	50%	50%	5%	7%	6%	75
Kisumu	71%	62%	15%	22%	18%	73
Kitui	52%	41%	6%	7%	6%	75
Kwale	61%	57%	1%	3%	3%	54
Laikipia	20%	18%	5%	10%	11%	58
Lamu	66%	66%	2%	3%	3%	34
Machakos	69%	61%	9%	10%	7%	71
Makueni	83%	67%	3%	4%	7%	73
Mandera	82%	78%	1%	3%	1%	54
Marsabit	33%	31%	4%	7%	9%	48
Meru	63%	55%	4%	6%	3%	83
Migori	42%	40%	8%	9%	6%	69
Mombasa	59%	45%	7%	7%	11%	70
Murang'a	87%	76%	4%	10%	6%	67
Nairobi	77%	71%	8%	11%	10%	89
Nakuru	73%	67%	11%	10%	8%	87
Nandi	53%	51%	0%	3%	2%	62
Narok	32%	32%	1%	9%	5%	59
Nyamira	71%	55%	5%	5%	3%	61
Nyandarua	73%	69%	2%	2%	2%	57
Nyeri	75%	65%	7%	7%	7%	72

County	Offers cardiovascular disease diagnosis and/or management	Diagnose and treat hypertension	Diagnose and treat acute myocardial infarction	Diagnose and treat congestive heart failure	Diagnose and treat cerebral vascular event (stroke)	Total number of facilities
Samburu	50%	50%	1%	3%	1%	41
Siaya	59%	54%	2%	9%	7%	69
Taita taveta	85%	76%	1%	4%	7%	49
Tana river	81%	81%	6%	6%	3%	38
Tharaka-nithi	89%	89%	3%	3%	3%	55
Trans nzoia	55%	49%	7%	9%	7%	58
Turkana	5%	4%	1%	1%	1%	61
Uasin gishu	42%	39%	13%	12%	12%	62
Vihiga	75%	68%	6%	9%	12%	45
Wajir	27%	27%	3%	13%	12%	54
West pokot	10%	10%	1%	3%	2%	56
Facility type						
Secondary & tertiary hospitals	100%	100%	80%	85%	85%	20
Public primary hospitals	95%	94%	29%	47%	39%	307
Private/ngo/fbo primary hospitals	98%	96%	58%	69%	71%	84
Health centres	78%	74%	6%	8%	8%	465
Dispensaries	48%	41%	1%	1%	0%	1261
Medical clinics	65%	58%	4%	7%	4%	790
Managing authority						
Government	53%	46%	2%	4%	3%	1658
Ngo / fbo	70%	66%	9%	11%	10%	323
Private	71%	64%	8%	12%	9%	946
Urban/rural						
Urban	71%	66%	11%	15%	13%	873
Rural	57%	51%	2%	4%	3%	2054
Total	**62%**	**56%**	**5%**	**8%**	**7%**	**2927**

Annex Table 67: Percentage of facilities that have tracer items for cardiovascular disease services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=1821), Kenya 2018

Regions	Stethoscope	Blood pressure apparatus	Adult scale	Oxygen	Tape measure	ECG	Simvastatin tablet or other statin	ACE inhibitors	Hydrochlorothiazide tablet	Beta blockers	Calcium channel blockers	Aspirin	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Baringo	100%	95%	100%	13%	73%	6%	24%	71%	56%	24%	30%	56%	1%	54%	24
Bomet	97%	89%	83%	17%	66%	5%	5%	83%	83%	14%	21%	78%	0%	53%	32
Bungoma	95%	97%	97%	49%	58%	13%	23%	46%	50%	34%	46%	33%	13%	54%	17
Busia	94%	94%	89%	25%	49%	0%	1%	69%	57%	20%	29%	30%	0%	46%	35
Elgeyo-marakwet	99%	97%	92%	4%	63%	0%	4%	32%	49%	15%	15%	55%	0%	44%	33
Embu	94%	92%	91%	7%	38%	3%	17%	50%	85%	26%	30%	56%	0%	49%	58
Garissa	100%	100%	92%	9%	69%	5%	8%	79%	31%	16%	16%	64%	0%	49%	33
Homa bay	86%	86%	88%	8%	61%	1%	5%	47%	31%	24%	14%	56%	0%	42%	54
Isiolo	100%	100%	100%	8%	80%	11%	8%	41%	37%	15%	15%	71%	0%	49%	16
Kajiado	94%	98%	92%	21%	64%	6%	19%	58%	70%	44%	49%	50%	2%	55%	54
Kakamega	95%	95%	84%	12%	56%	3%	13%	55%	63%	20%	36%	43%	3%	48%	47
Kericho	100%	100%	96%	27%	80%	17%	6%	40%	32%	19%	26%	67%	0%	51%	30
Kiambu	100%	100%	92%	23%	49%	6%	33%	73%	83%	46%	69%	72%	4%	62%	73
Kilifi	94%	100%	90%	15%	71%	5%	12%	60%	69%	35%	37%	64%	2%	54%	36
Kirinyaga	98%	98%	74%	17%	34%	2%	11%	57%	52%	27%	44%	37%	0%	46%	52
Kisii	98%	95%	92%	22%	34%	7%	27%	47%	47%	40%	50%	62%	1%	52%	43
Kisumu	97%	99%	98%	17%	78%	3%	19%	71%	46%	32%	36%	77%	0%	56%	54
Kitui	90%	91%	84%	11%	65%	4%	22%	68%	74%	56%	48%	58%	0%	56%	45
Kwale	100%	100%	97%	9%	77%	0%	23%	81%	94%	36%	46%	57%	0%	60%	34
Laikipia	100%	100%	97%	54%	67%	36%	46%	71%	56%	62%	62%	71%	9%	68%	13
Lamu	95%	100%	100%	12%	74%	3%	7%	58%	31%	17%	28%	58%	0%	49%	23
Machakos	100%	91%	87%	17%	64%	4%	21%	57%	67%	35%	35%	55%	2%	53%	51
Makueni	91%	90%	82%	3%	58%	0%	12%	47%	77%	32%	62%	47%	0%	50%	62
Mandera	98%	94%	95%	12%	69%	2%	5%	52%	59%	18%	27%	32%	2%	47%	45

Regions	Stethoscope	Blood pressure apparatus	Adult scale	Oxygen	Tape measure	ECG	Simvastatin tablet or other statin	ACE inhibitors	Hydrochlorothiazide tablet	Beta blockers	Calcium channel blockers	Aspirin	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Marsabit	97%	100%	100%	10%	77%	9%	16%	94%	66%	38%	35%	94%	0%	61%	17
Meru	89%	94%	70%	13%	38%	8%	15%	59%	67%	33%	34%	47%	3%	47%	57
Migori	99%	93%	88%	7%	43%	4%	7%	67%	48%	32%	35%	49%	0%	48%	34
Mombasa	97%	100%	94%	27%	65%	15%	17%	62%	49%	30%	45%	46%	6%	54%	43
Murang'a	98%	100%	96%	7%	55%	6%	11%	65%	83%	35%	37%	54%	5%	54%	59
Nairobi	100%	100%	98%	27%	84%	22%	57%	72%	88%	56%	87%	80%	9%	73%	70
Nakuru	100%	100%	89%	19%	56%	7%	20%	70%	63%	37%	39%	61%	5%	55%	67
Nandi	92%	100%	74%	28%	44%	0%	24%	80%	89%	20%	41%	65%	0%	55%	34
Narok	100%	100%	87%	24%	69%	5%	2%	55%	83%	40%	52%	67%	0%	57%	21
Nyamira	98%	94%	94%	6%	62%	0%	7%	57%	51%	15%	26%	55%	0%	47%	45
Nyandarua	97%	97%	84%	13%	30%	2%	8%	82%	90%	32%	48%	72%	2%	55%	42
Nyeri	96%	98%	88%	14%	37%	3%	39%	82%	87%	63%	67%	78%	3%	63%	55
Samburu	100%	100%	90%	41%	77%	3%	10%	49%	18%	41%	39%	64%	3%	53%	21
Siaya	91%	98%	100%	16%	77%	7%	26%	64%	66%	33%	25%	61%	4%	55%	45
Taita taveta	97%	96%	100%	11%	68%	5%	22%	72%	72%	31%	46%	87%	3%	59%	42
Tana river	97%	87%	85%	2%	78%	0%	7%	66%	68%	16%	19%	44%	0%	47%	31
Tharaka-nithi	94%	94%	92%	8%	37%	2%	5%	68%	78%	19%	21%	53%	0%	48%	49
Trans nzoia	100%	95%	81%	23%	21%	5%	12%	57%	39%	36%	35%	57%	0%	47%	34
Turkana	67%	67%	67%	26%	67%	17%	17%	67%	50%	59%	59%	17%	0%	48%	5
Uasin gishu	96%	100%	91%	28%	50%	19%	28%	59%	62%	33%	57%	88%	9%	59%	28
Vihiga	99%	87%	82%	6%	41%	1%	9%	56%	59%	14%	41%	71%	0%	47%	34
Wajir	100%	84%	81%	0%	65%	0%	6%	33%	63%	20%	20%	71%	0%	45%	16
West pokot	75%	93%	82%	14%	75%	0%	14%	67%	52%	36%	78%	43%	0%	52%	8
Facility type															
Secondary & tertiary hospitals	95%	95%	100%	90%	75%	75%	75%	100%	100%	95%	85%	90%	35%	90%	20

Regions	Stethoscope	Blood pressure apparatus	Adult scale	Oxygen	Tape measure	ECG	Simvastatin tablet or other statin	ACE inhibitors	Hydrochlorothiazide tablet	Beta blockers	Calcium channel blockers	Aspirin	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Public primary hospitals	93%	95%	87%	44%	67%	5%	43%	90%	85%	62%	73%	89%	1%	70%	293
Private/ngo/ fbo primary hospitals	95%	96%	94%	82%	70%	57%	65%	91%	88%	89%	93%	93%	28%	84%	81
Health centres	98%	96%	93%	22%	66%	3%	18%	67%	69%	37%	44%	66%	1%	57%	356
Dispensaries	94%	95%	88%	4%	67%	2%	8%	52%	61%	17%	26%	56%	1%	47%	577
Medical clinics	98%	98%	87%	10%	40%	5%	24%	66%	68%	39%	53%	53%	2%	53%	494
Managing authority															
Government	94%	94%	88%	10%	69%	2%	9%	53%	61%	20%	25%	61%	1%	49%	957
Ngo / fbo	97%	98%	92%	22%	63%	11%	30%	77%	81%	43%	61%	65%	5%	62%	216
Private	98%	98%	90%	20%	46%	10%	28%	70%	70%	46%	58%	59%	4%	58%	648
Urban/rural															
Urban	97%	97%	91%	27%	59%	15%	35%	70%	71%	51%	64%	65%	6%	62%	634
Rural	96%	96%	88%	9%	57%	1%	11%	60%	66%	25%	33%	58%	1%	50%	1187
Total	**96%**	**96%**	**89%**	**16%**	**58%**	**7%**	**21%**	**64%**	**68%**	**35%**	**45%**	**61%**	**3%**	**55%**	**1821**

Annex Table 68: Percentage of facilities that offer chronic respiratory disease services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Offers chronic respiratory disease diagnosis and/or management	Total number of facilities
Baringo	43%	63
Bomet	54%	56
Bungoma	22%	67
Busia	56%	56
Elgeyo-marakwet	90%	53
Embu	83%	63
Garissa	43%	59
Homa bay	69%	74
Isiolo	43%	36
Kajiado	57%	67
Kakamega	67%	73
Kericho	38%	63
Kiambu	82%	86
Kilifi	47%	69
Kirinyaga	72%	63
Kisii	62%	75
Kisumu	69%	73
Kitui	42%	75
Kwale	55%	54
Laikipia	22%	58
Lamu	57%	34
Machakos	57%	71
Makueni	67%	73
Mandera	76%	54
Marsabit	31%	48
Meru	66%	83
Migori	55%	69
Mombasa	55%	70
Murang'a	87%	67
Nairobi	72%	89
Nakuru	71%	87
Nandi	56%	62
Narok	36%	59
Nyamira	66%	61
Nyandarua	66%	57
Nyeri	81%	72
Samburu	52%	41
Siaya	62%	69
Taita taveta	89%	49

County	Offers chronic respiratory disease diagnosis and/or management	Total number of facilities
Tana river	81%	38
Tharaka-nithi	91%	55
Trans nzoia	68%	58
Turkana	8%	61
Uasin gishu	51%	62
Vihiga	80%	45
Wajir	14%	54
West pokot	18%	56
Facility type		
Secondary & tertiary hospitals	100%	20
Public primary hospitals	94%	307
Private/ngo/fbo primary hospitals	98%	84
Health centres	75%	465
Dispensaries	48%	1261
Medical clinics	64%	790
Managing authority		
Government	53%	1658
Ngo / fbo	67%	323
Private	68%	946
Urban/rural		
Urban	68%	873
Rural	57%	2054
Total	**61%**	**2927**

Annex Table 69: Percentage of facilities that have tracer items for chronic respiratory disease services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=1802), Kenya 2018

County	Stethoscope	Peak flow meter	Spacers for inhalers	Oxygen	Nebulizer	Masks for babies	Salbutamol inhaler	Beclomethasone inhaler	Prednisolone	Hydrocortisone	Epinephrine injectable	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Baringo	100%	14%	22%	10%	40%	23%	63%	19%	72%	69%	92%	1%	48%	29
Bomet	97%	13%	29%	18%	41%	20%	53%	19%	63%	74%	82%	1%	46%	31
Bungoma	96%	4%	22%	40%	31%	31%	21%	17%	46%	69%	65%	0%	40%	19
Busia	92%	14%	18%	23%	33%	45%	44%	7%	61%	85%	80%	0%	46%	32
Elgeyo-marakwet	95%	1%	3%	3%	9%	9%	11%	7%	69%	59%	85%	0%	32%	48
Embu	95%	6%	9%	7%	21%	18%	56%	11%	90%	88%	92%	2%	45%	53
Garissa	100%	13%	22%	11%	33%	38%	54%	11%	73%	87%	78%	0%	47%	28
Homa bay	88%	2%	6%	8%	14%	22%	36%	17%	66%	90%	82%	0%	39%	54
Isiolo	100%	0%	12%	8%	39%	39%	64%	15%	79%	67%	83%	0%	46%	16
Kajiado	91%	37%	30%	27%	64%	59%	48%	14%	72%	75%	72%	3%	53%	40
Kakamega	95%	13%	32%	10%	34%	39%	27%	10%	62%	67%	85%	0%	43%	52
Kericho	100%	6%	38%	30%	45%	35%	59%	23%	66%	81%	75%	0%	50%	27
Kiambu	100%	12%	22%	22%	68%	60%	67%	18%	92%	89%	82%	0%	58%	72
Kilifi	94%	17%	17%	12%	63%	71%	69%	21%	65%	78%	88%	3%	54%	35
Kirinyaga	98%	0%	14%	20%	51%	34%	58%	11%	71%	82%	71%	0%	46%	46
Kisii	98%	5%	15%	18%	27%	31%	42%	10%	75%	83%	83%	0%	44%	50
Kisumu	97%	16%	37%	17%	45%	57%	62%	24%	87%	84%	83%	2%	55%	53
Kitui	87%	8%	12%	10%	24%	39%	69%	15%	81%	92%	87%	0%	47%	38
Kwale	100%	1%	12%	10%	36%	24%	79%	28%	93%	93%	96%	1%	52%	31
Laikipia	100%	42%	65%	49%	91%	56%	65%	24%	74%	73%	73%	11%	65%	14
Lamu	95%	0%	3%	14%	36%	33%	20%	6%	67%	54%	84%	0%	37%	20
Machakos	100%	13%	27%	21%	35%	40%	27%	21%	61%	82%	87%	0%	47%	43
Makueni	93%	0%	22%	4%	18%	29%	74%	18%	46%	89%	88%	0%	43%	52
Mandera	97%	1%	26%	13%	32%	43%	68%	16%	66%	74%	84%	1%	47%	42
Marsabit	97%	16%	51%	10%	61%	71%	78%	31%	75%	97%	93%	0%	61%	16
Meru	91%	4%	15%	12%	30%	27%	36%	22%	61%	70%	71%	0%	40%	58
Migori	99%	3%	14%	5%	12%	31%	36%	7%	54%	79%	74%	0%	38%	42
Mombasa	97%	9%	30%	31%	68%	57%	65%	23%	87%	92%	89%	1%	59%	40
Murang'a	98%	5%	17%	7%	30%	33%	80%	9%	80%	80%	74%	0%	47%	59
Nairobi	100%	22%	32%	26%	86%	84%	72%	28%	91%	90%	85%	1%	65%	66
Nakuru	100%	26%	36%	20%	59%	46%	57%	12%	69%	77%	85%	3%	53%	66
Nandi	90%	30%	8%	23%	37%	42%	77%	26%	64%	72%	86%	1%	50%	36
Narok	100%	2%	20%	22%	53%	40%	48%	12%	93%	100%	93%	0%	52%	23
Nyamira	97%	0%	14%	7%	16%	37%	33%	11%	44%	67%	70%	0%	36%	42
Nyandarua	97%	3%	11%	12%	22%	19%	78%	28%	67%	86%	83%	0%	46%	38
Nyeri	96%	6%	21%	13%	44%	44%	42%	19%	87%	87%	90%	0%	50%	58
Samburu	100%	5%	10%	39%	42%	86%	71%	29%	76%	69%	81%	3%	55%	22
Siaya	91%	7%	15%	15%	26%	60%	46%	22%	61%	72%	70%	0%	44%	47
Taita taveta	98%	12%	14%	10%	39%	34%	67%	12%	73%	93%	98%	2%	50%	44
Tana river	97%	3%	7%	2%	16%	10%	37%	10%	54%	63%	90%	0%	35%	31
Tharaka-nithi	94%	2%	7%	8%	16%	4%	46%	15%	64%	87%	85%	2%	39%	50

County	Stethoscope	Peak flow meter	Spacers for inhalers	Oxygen	Nebulizer	Masks for babies	Salbutamol inhaler	Beclomethasone inhaler	Prednisolone	Hydrocortisone	Epinephrine injectable	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Trans nzoia	100%	8%	21%	19%	25%	37%	24%	9%	37%	70%	59%	5%	37%	41
Turkana	77%	24%	65%	24%	18%	47%	71%	59%	77%	77%	53%	6%	54%	7
Uasin gishu	97%	22%	40%	26%	47%	47%	39%	20%	77%	92%	90%	8%	54%	33
Vihiga	99%	0%	36%	6%	24%	27%	62%	10%	62%	82%	90%	0%	45%	36
Wajir	100%	13%	25%	6%	35%	13%	23%	6%	39%	94%	94%	0%	41%	10
West pokot	72%	17%	22%	17%	43%	43%	61%	31%	72%	63%	91%	0%	48%	12
Facility type														
Secondary & tertiary hospitals	95%	55%	55%	90%	95%	85%	85%	50%	95%	95%	100%	25%	81%	20
Public primary hospitals	93%	18%	32%	44%	69%	68%	70%	38%	80%	84%	94%	2%	63%	290
Private/ngo/fbo primary hospitals	96%	47%	57%	83%	95%	85%	94%	37%	98%	93%	94%	7%	79%	82
Health centres	98%	11%	29%	22%	51%	52%	57%	18%	72%	83%	87%	1%	53%	344
Dispensaries	94%	4%	10%	3%	19%	27%	45%	10%	62%	77%	81%	0%	39%	581
Medical clinics	98%	10%	22%	10%	49%	43%	54%	19%	78%	83%	78%	0%	49%	485
Managing authority														
Government	94%	5%	12%	9%	23%	32%	44%	11%	59%	75%	84%	0%	41%	965
Ngo / fbo	98%	15%	31%	22%	53%	50%	70%	27%	85%	86%	83%	2%	56%	206
Private	98%	15%	28%	21%	58%	51%	59%	21%	81%	86%	81%	1%	54%	631
Urban/rural														
Urban	97%	22%	34%	28%	66%	61%	65%	27%	82%	84%	81%	2%	59%	616
Rural	96%	5%	15%	9%	28%	32%	48%	12%	67%	80%	84%	0%	43%	1186
Total	**96%**	**11%**	**22%**	**16%**	**42%**	**43%**	**54%**	**17%**	**73%**	**81%**	**83%**	**1%**	**49%**	**1802**

Annex Table 70: Percentage of facilities that offer cervical cancer services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Offers cervical cancer diagnosis	Collects PAP smear specimen	Read PAP smear results	Read results for HPV test	Colposcopy and biopsy	Perform digital Cervicography	Treatment of pre-invasive cervical cancer lesions (e.g., cryotherapy, thermal/ cold coagulation, LEEP)	Total number of facilities
Baringo	9%	2%	2%	2%	0%	0%	0%	63
Bomet	1%	0%	0%	0%	0%	0%	0%	56
Bungoma	13%	5%	5%	6%	0%	2%	0%	67
Busia	22%	7%	0%	2%	1%	0%	1%	56
Elgeyo-marakwet	15%	2%	1%	0%	0%	0%	1%	53
Embu	21%	5%	2%	1%	2%	4%	2%	63
Garissa	1%	1%	1%	1%	0%	0%	0%	59
Homa bay	35%	10%	8%	2%	0%	0%	5%	74
Isiolo	10%	3%	0%	0%	0%	0%	2%	36
Kajiado	18%	7%	2%	3%	2%	0%	0%	67
Kakamega	28%	5%	2%	4%	0%	0%	3%	73
Kericho	15%	9%	5%	2%	3%	0%	3%	63
Kiambu	29%	10%	7%	6%	0%	1%	4%	86
Kilifi	15%	7%	0%	0%	0%	0%	0%	69
Kirinyaga	23%	12%	0%	0%	2%	0%	2%	63
Kisii	34%	7%	6%	2%	0%	0%	0%	75
Kisumu	38%	19%	11%	12%	4%	4%	7%	73
Kitui	7%	3%	1%	1%	0%	0%	0%	75
Kwale	30%	3%	3%	1%	0%	0%	1%	54
Laikipia	28%	18%	13%	6%	0%	2%	3%	58
Lamu	13%	2%	2%	2%	0%	0%	2%	34
Machakos	22%	8%	7%	5%	1%	0%	1%	71
Makueni	36%	3%	3%	1%	0%	0%	0%	73
Mandera	0%	0%	0%	0%	0%	0%	0%	54
Marsabit	0%	0%	0%	0%	0%	0%	0%	48
Meru	15%	7%	5%	5%	4%	1%	3%	83
Migori	35%	0%	1%	2%	0%	0%	1%	69
Mombasa	34%	15%	7%	4%	5%	2%	4%	70
Murang'a	43%	20%	10%	9%	4%	1%	1%	67
Nairobi	24%	14%	12%	12%	6%	1%	4%	89
Nakuru	15%	7%	5%	6%	0%	0%	0%	87
Nandi	8%	2%	2%	1%	0%	0%	1%	62
Narok	8%	6%	5%	4%	2%	0%	2%	59

County	Offers cervical cancer diagnosis	Collects PAP smear specimen	Read PAP smear results	Read results for HPV test	Colposcopy and biopsy	Perform digital Cervicography	Treatment of pre-invasive cervical cancer lesions (e.g., cryotherapy, thermal/ cold coagulation, LEEP)	Total number of facilities
Nyamira	48%	3%	1%	1%	0%	0%	1%	61
Nyandarua	31%	4%	2%	1%	1%	1%	2%	57
Nyeri	22%	7%	7%	5%	0%	1%	2%	72
Samburu	18%	10%	8%	8%	0%	0%	1%	41
Siaya	61%	10%	8%	7%	2%	0%	3%	69
Taita taveta	18%	7%	3%	1%	3%	2%	1%	49
Tana river	12%	0%	0%	0%	0%	0%	0%	38
Tharaka-nithi	14%	4%	2%	2%	2%	2%	2%	55
Trans nzoia	19%	10%	8%	5%	1%	0%	3%	58
Turkana	3%	3%	3%	3%	1%	1%	1%	61
Uasin gishu	20%	8%	6%	8%	6%	8%	6%	62
Vihiga	37%	2%	3%	5%	1%	0%	1%	45
Wajir	0%	0%	0%	0%	0%	0%	0%	54
West pokot	1%	1%	1%	1%	0%	0%	0%	56
Facility type								
Secondary & tertiary hospitals	90%	80%	80%	75%	60%	35%	45%	20
Public primary hospitals	52%	19%	15%	12%	4%	3%	11%	307
Private/ngo/fbo primary hospitals	59%	44%	28%	25%	17%	9%	12%	84
Health centres	29%	8%	5%	5%	2%	1%	2%	465
Dispensaries	15%	2%	2%	1%	0%	0%	0%	1261
Medical clinics	20%	8%	5%	4%	1%	0%	2%	790
Managing authority								
Government	22%	4%	3%	2%	1%	1%	1%	1658
Ngo / fbo	21%	12%	6%	4%	4%	1%	5%	323
Private	22%	10%	7%	6%	2%	1%	2%	946
Urban/rural								
Urban	26%	14%	9%	9%	4%	2%	3%	873
Rural	20%	4%	3%	2%	0%	0%	1%	2054
Total	**22%**	**7%**	**5%**	**4%**	**2%**	**1%**	**2%**	**2927**

Annex Table 71: Percentage of facilities that have tracer items for cervical cancer services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=693), Kenya 2018

County	Speculum	Examination light	LEEP machine for treatment of precancerous lesions	Cryotherapy	Urinary catheter	Colposcopy equipment	Acetic acid or Lugol's iodine	Histopathology services	Molecular testing platforms for HPV testing	Ultrasound	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Baringo	80%	61%	20%	0%	100%	0%	61%	0%	0%	0%	0%	32%	5
Bomet	0%	0%	0%	0%	100%	0%	0%	0%	100%	100%	0%	30%	1
Bungoma	81%	56%	0%	7%	71%	15%	88%	0%	7%	33%	0%	36%	12
Busia	71%	16%	3%	0%	69%	3%	69%	0%	0%	19%	0%	25%	13
Elgeyo-marakwet	100%	67%	0%	5%	70%	0%	74%	0%	0%	11%	0%	33%	10
Embu	86%	26%	2%	0%	69%	2%	69%	2%	2%	21%	0%	28%	16
Garissa	100%	0%	0%	0%	100%	0%	0%	0%	0%	100%	0%	30%	1
Homa bay	99%	36%	0%	13%	57%	0%	91%	0%	0%	13%	0%	31%	28
Isiolo	100%	43%	0%	18%	72%	0%	100%	0%	0%	0%	0%	33%	4
Kajiado	100%	82%	0%	0%	82%	10%	80%	0%	0%	31%	0%	38%	13
Kakamega	76%	47%	0%	4%	77%	0%	74%	7%	0%	12%	0%	30%	25
Kericho	87%	74%	22%	14%	65%	0%	76%	0%	0%	47%	0%	39%	13
Kiambu	99%	23%	1%	6%	50%	1%	89%	0%	0%	28%	0%	30%	29
Kilifi	90%	48%	0%	0%	100%	14%	80%	0%	0%	16%	0%	35%	12
Kirinyaga	34%	63%	0%	9%	86%	0%	92%	0%	0%	15%	0%	30%	14
Kisii	85%	39%	0%	0%	73%	0%	76%	0%	0%	16%	0%	29%	30
Kisumu	95%	62%	11%	18%	77%	8%	89%	1%	4%	19%	0%	38%	31
Kitui	95%	67%	0%	0%	100%	0%	67%	5%	0%	48%	0%	38%	10
Kwale	100%	80%	0%	0%	100%	0%	100%	0%	0%	13%	0%	39%	16
Laikipia	100%	26%	0%	12%	86%	0%	86%	0%	0%	23%	0%	33%	16
Lamu	100%	86%	0%	0%	76%	0%	100%	0%	0%	14%	0%	38%	5
Machakos	93%	27%	0%	0%	52%	0%	58%	0%	1%	4%	0%	24%	18
Makueni	91%	30%	1%	0%	82%	0%	73%	0%	0%	3%	0%	28%	31
Mandera	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0
Marsabit	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0
Meru	89%	50%	9%	19%	91%	14%	91%	1%	0%	31%	0%	40%	18
Migori	95%	25%	0%	3%	85%	0%	95%	0%	0%	3%	0%	31%	25
Mombasa	100%	51%	0%	7%	83%	6%	86%	5%	9%	34%	0%	38%	26
Murang'a	96%	20%	1%	2%	43%	5%	73%	1%	0%	19%	0%	26%	31
Nairobi	79%	48%	16%	8%	64%	10%	54%	2%	6%	74%	0%	36%	24
Nakuru	100%	41%	1%	1%	73%	1%	77%	10%	27%	40%	0%	37%	13
Nandi	76%	7%	0%	0%	72%	0%	76%	0%	0%	14%	0%	24%	6

County	Speculum	Examination light	LEEP machine for treatment of precancerous lesions	Cryotherapy	Urinary catheter	Colposcopy equipment	Acetic acid or Lugol's iodine	Histopathology services	Molecular testing platforms for HPV testing	Ultrasound	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Narok	78%	100%	0%	0%	100%	0%	30%	0%	0%	55%	0%	36%	6
Nyamira	99%	41%	1%	0%	49%	0%	91%	0%	0%	13%	0%	29%	31
Nyandarua	100%	58%	4%	0%	65%	4%	94%	0%	0%	8%	0%	33%	19
Nyeri	100%	9%	0%	14%	80%	0%	80%	1%	0%	34%	0%	32%	18
Samburu	100%	72%	0%	0%	86%	0%	100%	0%	0%	8%	0%	37%	8
Siaya	84%	56%	2%	6%	75%	0%	80%	0%	7%	8%	0%	32%	45
Taita taveta	100%	64%	0%	5%	100%	0%	76%	0%	0%	29%	0%	38%	9
Tana river	100%	78%	0%	22%	100%	0%	100%	0%	0%	12%	0%	41%	5
Tharaka-nithi	100%	59%	15%	0%	59%	15%	72%	0%	0%	20%	0%	34%	9
Trans nzoia	90%	14%	14%	14%	72%	3%	66%	0%	0%	17%	0%	29%	12
Turkana	100%	30%	0%	44%	100%	30%	44%	0%	0%	44%	0%	39%	3
Uasin gishu	90%	66%	2%	10%	92%	21%	63%	10%	19%	48%	2%	42%	13
Vihiga	85%	21%	0%	0%	70%	0%	79%	0%	6%	12%	0%	27%	18
Wajir	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0
West pokot	100%	0%	0%	0%	100%	0%	100%	0%	0%	100%	0%	40%	1
Facility type													
Secondary & tertiary hospitals	94%	83%	44%	44%	94%	44%	89%	50%	28%	100%	6%	67%	18
Public primary hospitals	93%	63%	4%	13%	91%	5%	84%	2%	1%	45%	0%	40%	161
Private/ngo/fbo primary hospitals	93%	83%	16%	8%	100%	17%	74%	2%	4%	92%	0%	49%	47
Health centres	90%	61%	0%	8%	75%	1%	84%	1%	2%	16%	0%	34%	134
Dispensaries	90%	31%	0%	1%	67%	1%	77%	0%	1%	3%	0%	27%	187
Medical clinics	91%	22%	3%	6%	61%	3%	78%	2%	6%	23%	0%	29%	146
Managing authority													
Government	90%	44%	1%	5%	72%	2%	81%	1%	1%	8%	0%	30%	429
Ngo / fbo	94%	45%	10%	15%	81%	9%	78%	0%	8%	49%	0%	39%	64
Private	91%	39%	4%	4%	69%	4%	77%	2%	4%	36%	0%	33%	200
Urban/rural													
Urban	91%	44%	6%	9%	72%	6%	72%	3%	5%	46%	0%	35%	261
Rural	91%	41%	1%	3%	71%	2%	84%	0%	2%	9%	0%	31%	432
Total	**91%**	**42%**	**3%**	**6%**	**72%**	**4%**	**79%**	**1%**	**3%**	**24%**	**0%**	**32%**	**693**

Annex Table 72: Percentage of facilities that offer breast cancer services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Screen for or diagnose breast cancer	Manual breast examination	Mammography	Fine needle aspiration	Core needle biopsy of lump specimen	Chemotherapy	Radiation therapy	Lumpectomy	Mastectomy	Outpatient maintenance treatment for breast cancer	Breast ultrasound for young girls	Total number of facilities
Baringo	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	63
Bomet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	56
Bungoma	9%	9%	1%	2%	1%	0%	0%	1%	1%	4%	2%	67
Busia	22%	22%	1%	6%	3%	1%	0%	1%	2%	0%	1%	56
Elgeyo-marakwet	14%	14%	1%	0%	0%	0%	0%	1%	1%	3%	2%	53
Embu	27%	27%	1%	3%	3%	0%	0%	2%	2%	3%	3%	63
Garissa	1%	1%	1%	0%	0%	0%	0%	0%	1%	1%	1%	59
Homa bay	28%	28%	0%	0%	0%	0%	0%	0%	0%	2%	0%	74
Isiolo	10%	10%	2%	2%	2%	0%	0%	2%	2%	2%	2%	36
Kajiado	17%	15%	0%	3%	2%	0%	0%	0%	0%	2%	0%	67
Kakamega	21%	21%	0%	2%	2%	0%	0%	2%	2%	1%	2%	73
Kericho	16%	16%	1%	4%	3%	2%	0%	4%	5%	7%	4%	63
Kiambu	35%	35%	0%	2%	1%	0%	2%	2%	2%	7%	5%	86
Kilifi	12%	12%	1%	0%	0%	0%	0%	1%	1%	2%	1%	69
Kirinyaga	28%	28%	1%	0%	2%	0%	0%	5%	5%	0%	3%	63
Kisii	26%	25%	1%	4%	2%	0%	0%	0%	2%	5%	1%	75
Kisumu	28%	27%	0%	3%	5%	2%	0%	4%	4%	9%	3%	73
Kitui	5%	5%	1%	0%	0%	0%	0%	3%	3%	3%	1%	75
Kwale	20%	20%	1%	0%	0%	1%	0%	2%	1%	3%	3%	54
Laikipia	38%	38%	2%	3%	3%	2%	0%	3%	1%	3%	5%	58
Lamu	11%	9%	0%	0%	0%	0%	0%	2%	0%	0%	2%	34
Machakos	23%	23%	0%	4%	4%	0%	0%	0%	1%	3%	0%	71
Makueni	42%	42%	1%	0%	0%	0%	0%	1%	1%	1%	3%	73
Mandera	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	54
Marsabit	3%	3%	0%	0%	0%	0%	0%	0%	0%	0%	3%	48
Meru	21%	21%	0%	1%	0%	0%	0%	1%	1%	1%	2%	83
Migori	27%	23%	0%	0%	0%	0%	0%	1%	0%	1%	1%	69
Mombasa	31%	30%	2%	8%	7%	1%	0%	4%	5%	10%	9%	70
Murang'a	46%	46%	0%	4%	4%	0%	0%	3%	3%	12%	4%	67
Nairobi	11%	11%	1%	3%	3%	1%	0%	2%	2%	4%	5%	89
Nakuru	14%	14%	0%	0%	0%	0%	0%	2%	2%	2%	4%	87
Nandi	9%	9%	0%	1%	1%	0%	0%	1%	1%	0%	0%	62
Narok	5%	5%	0%	0%	0%	0%	0%	1%	1%	1%	5%	59
Nyamira	31%	31%	1%	0%	0%	0%	0%	0%	0%	19%	3%	61

County	Screen for or diagnose breast cancer	Manual breast examination	Mammography	Fine needle aspiration	Core needle biopsy of lump specimen	Chemotherapy	Radiation therapy	Lumpectomy	Mastectomy	Outpatient maintenance treatment for breast cancer	Breast ultrasound for young girls	Total number of facilities
Nyandarua	20%	20%	1%	2%	2%	1%	0%	2%	2%	2%	8%	57
Nyeri	32%	29%	0%	2%	3%	0%	2%	4%	4%	6%	8%	72
Samburu	20%	20%	1%	1%	0%	0%	0%	0%	1%	5%	3%	41
Siaya	49%	49%	1%	0%	2%	1%	0%	2%	2%	6%	2%	69
Taita taveta	18%	18%	1%	3%	3%	0%	0%	3%	3%	0%	5%	49
Tana river	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38
Tharaka-nithi	16%	16%	0%	2%	0%	0%	0%	0%	2%	1%	2%	55
Trans nzoia	13%	13%	1%	3%	1%	0%	0%	0%	1%	1%	3%	58
Turkana	1%	1%	1%	1%	1%	0%	0%	1%	1%	1%	1%	61
Uasin gishu	19%	19%	4%	8%	8%	6%	2%	6%	4%	8%	9%	62
Vihiga	39%	36%	1%	3%	1%	1%	0%	0%	1%	1%	2%	45
Wajir	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	54
West pokot	3%	3%	0%	1%	1%	0%	0%	0%	0%	2%	1%	56
Facility type												
Secondary & tertiary hospitals	85%	85%	70%	60%	60%	50%	15%	70%	80%	70%	75%	20
Public primary hospitals	48%	47%	8%	7%	6%	2%	0%	9%	9%	14%	15%	307
Private/ngo/fbo primary hospitals	52%	52%	3%	23%	23%	5%	6%	28%	31%	31%	31%	84
Health centres	26%	26%	0%	2%	2%	0%	0%	1%	1%	4%	3%	465
Dispensaries	15%	14%	0%	0%	0%	0%	0%	0%	0%	1%	0%	1261
Medical clinics	18%	18%	0%	1%	1%	0%	0%	0%	0%	2%	2%	790
Managing authority												
Government	21%	20%	1%	1%	1%	0%	0%	1%	1%	3%	1%	1658
Ngo / fbo	19%	19%	0%	3%	3%	0%	1%	4%	5%	4%	6%	323
Private	19%	19%	0%	3%	3%	1%	0%	2%	2%	4%	4%	946
Urban/rural												
Urban	22%	22%	2%	4%	4%	1%	1%	4%	4%	6%	7%	873
Rural	19%	19%	0%	1%	1%	0%	0%	1%	1%	2%	1%	2054
Total	**20%**	**20%**	**1%**	**2%**	**2%**	**0%**	**0%**	**2%**	**2%**	**3%**	**3%**	**2927**

Annex Table 73: Percentage of facilities that have tracer items for breast cancer services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=635), Kenya 2018

County	Tamoxifen	Cyclophosphamide	Morphine (oral or injectable)	Histopathologist and breast biopsy	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Baringo	0%	0%	0%	0%	0%	0%	1
Bomet	0%	0%	100%	0%	0%	25%	1
Bungoma	11%	11%	32%	0%	0%	14%	9
Busia	3%	0%	22%	0%	0%	6%	13
Elgeyo-marakwet	6%	0%	17%	0%	0%	6%	9
Embu	5%	0%	9%	2%	0%	4%	19
Garissa	0%	0%	100%	0%	0%	25%	1
Homa bay	0%	0%	25%	0%	0%	6%	22
Isiolo	0%	0%	18%	0%	0%	5%	4
Kajiado	11%	11%	15%	0%	0%	9%	12
Kakamega	7%	0%	20%	0%	0%	7%	19
Kericho	11%	0%	6%	0%	0%	4%	12
Kiambu	1%	0%	10%	0%	0%	3%	34
Kilifi	0%	3%	3%	0%	0%	1%	10
Kirinyaga	2%	0%	10%	0%	0%	3%	17
Kisii	5%	5%	29%	0%	0%	10%	23
Kisumu	19%	13%	34%	2%	2%	17%	25
Kitui	18%	6%	35%	0%	0%	15%	9
Kwale	10%	0%	3%	0%	0%	3%	11
Laikipia	0%	0%	3%	0%	0%	1%	22
Lamu	0%	16%	16%	0%	0%	8%	4
Machakos	0%	0%	5%	0%	0%	1%	20
Makueni	2%	0%	5%	0%	0%	2%	35
Mandera	0%	0%	0%	0%	0%	0%	0
Marsabit	0%	0%	0%	0%	0%	0%	1
Meru	5%	0%	6%	1%	0%	3%	21
Migori	0%	0%	5%	0%	0%	1%	19
Mombasa	6%	1%	24%	0%	0%	8%	24
Murang'a	4%	0%	15%	0%	0%	5%	33
Nairobi	5%	21%	23%	3%	3%	13%	14
Nakuru	2%	2%	23%	2%	2%	7%	12
Nandi	0%	0%	19%	0%	0%	5%	7
Narok	52%	0%	65%	0%	0%	29%	4
Nyamira	7%	0%	6%	0%	0%	3%	21

County	Tamoxifen	Cyclophosphamide	Morphine (oral or injectable)	Histopathologist and breast biopsy	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Nyandarua	3%	3%	12%	0%	0%	4%	13
Nyeri	11%	7%	13%	1%	0%	8%	25
Samburu	0%	0%	7%	0%	0%	2%	9
Siaya	0%	0%	7%	0%	0%	2%	37
Taita taveta	0%	0%	17%	0%	0%	4%	9
Tana river	0%	0%	0%	0%	0%	0%	0
Tharaka-nithi	13%	0%	26%	0%	0%	10%	10
Trans nzoia	5%	0%	35%	0%	0%	10%	9
Turkana	0%	33%	100%	0%	0%	33%	2
Uasin gishu	32%	32%	41%	3%	3%	27%	12
Vihiga	6%	6%	12%	0%	0%	6%	18
Wajir	0%	0%	0%	0%	0%	0%	0
West pokot	0%	0%	76%	0%	0%	19%	3
Facility type							
Secondary & tertiary hospitals	53%	47%	94%	41%	29%	59%	17
Public primary hospitals	10%	3%	57%	1%	0%	18%	146
Private/ngo/fbo primary hospitals	27%	25%	67%	0%	0%	30%	46
Health centres	3%	1%	10%	0%	0%	3%	121
Dispensaries	1%	0%	3%	0%	0%	1%	174
Medical clinics	2%	0%	3%	0%	0%	1%	131
Managing authority							
Government	3%	1%	11%	1%	0%	4%	399
Ngo / fbo	9%	9%	31%	0%	0%	12%	58
Private	7%	4%	16%	0%	0%	7%	178
Urban/rural							
Urban	9%	6%	27%	1%	1%	11%	228
Rural	3%	1%	8%	0%	0%	3%	407
Total	**5%**	**3%**	**15%**	**0%**	**0%**	**6%**	**635**

Annex Table 74: Percentage of facilities that offer prostate cancer services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Screen for, diagnose, or treat prostate cancer	Total number of facilities
Baringo	2%	63
Bomet	1%	56
Bungoma	3%	67
Busia	7%	56
Elgeyo-marakwet	2%	53
Embu	11%	63
Garissa	1%	59
Homa bay	5%	74
Isiolo	2%	36
Kajiado	10%	67
Kakamega	3%	73
Kericho	8%	63
Kiambu	15%	86
Kilifi	2%	69
Kirinyaga	5%	63
Kisii	12%	75
Kisumu	9%	73
Kitui	3%	75
Kwale	4%	54
Laikipia	3%	58
Lamu	2%	34
Machakos	4%	71
Makueni	5%	73
Mandera	0%	54
Marsabit	3%	48
Meru	10%	83
Migori	3%	69
Mombasa	9%	70
Murang'a	20%	67
Nairobi	10%	89
Nakuru	1%	87
Nandi	4%	62
Narok	2%	59
Nyamira	8%	61
Nyandarua	14%	57
Nyeri	14%	72
Samburu	3%	41
Siaya	16%	69
Taita taveta	12%	49
Tana river	0%	38

County	Screen for, diagnose, or treat prostate cancer	Total number of facilities
Tharaka-nithi	10%	55
Trans nzoia	6%	58
Turkana	1%	61
Uasin gishu	8%	62
Vihiga	14%	45
Wajir	0%	54
West pokot	2%	56
Facility type		
Secondary & tertiary hospitals	80%	20
Public primary hospitals	27%	307
Private/ngo/fbo primary hospitals	48%	84
Health centres	9%	465
Dispensaries	1%	1261
Medical clinics	7%	790
Managing authority		
Government	4%	1658
Ngo / fbo	11%	323
Private	10%	946
Urban/rural		
Urban	12%	873
Rural	5%	2054
Total	**7%**	**2927**

Annex Table 75: Percentage of facilities that have tracer items for prostate cancer services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=248), Kenya 2018

County	Digital Rectal Examination	Prostate Specific Antigen (PSA)	Surgical intervention	Mean availability of tracer items	Percent of facilities with all items	Total number of facilities
Baringo	100%	0%	0%	33%	0%	1
Bomet	100%	0%	0%	33%	0%	1
Bungoma	84%	84%	32%	67%	32%	4
Busia	100%	44%	43%	62%	10%	5
Elgeyo-marakwet	100%	33%	33%	56%	33%	3
Embu	100%	71%	17%	63%	17%	9
Garissa	0%	100%	100%	67%	0%	1
Homa bay	65%	0%	60%	42%	0%	4
Isiolo	100%	100%	100%	100%	100%	1
Kajiado	64%	82%	21%	56%	4%	8
Kakamega	90%	45%	45%	60%	45%	3
Kericho	59%	46%	71%	59%	40%	7
Kiambu	64%	100%	12%	59%	12%	14
Kilifi	100%	19%	0%	40%	0%	2
Kirinyaga	100%	56%	100%	85%	56%	3
Kisii	58%	22%	18%	32%	18%	13
Kisumu	95%	91%	45%	77%	45%	10
Kitui	100%	82%	73%	85%	73%	6
Kwale	66%	100%	17%	61%	17%	3
Laikipia	62%	62%	0%	41%	0%	2
Lamu	0%	0%	100%	33%	0%	1
Machakos	54%	100%	8%	54%	8%	5
Makueni	32%	100%	13%	48%	13%	8
Mandera	0%	0%	0%	0%	0%	0
Marsabit	100%	0%	100%	67%	0%	1
Meru	98%	63%	24%	62%	24%	12
Migori	36%	50%	50%	45%	0%	3
Mombasa	100%	82%	79%	87%	65%	9
Murang'a	76%	40%	14%	43%	14%	15
Nairobi	35%	82%	24%	47%	24%	13
Nakuru	100%	19%	19%	46%	19%	2
Nandi	13%	100%	20%	44%	0%	4
Narok	100%	25%	0%	42%	0%	2
Nyamira	78%	45%	8%	43%	0%	5
Nyandarua	77%	100%	8%	62%	8%	10
Nyeri	69%	55%	29%	51%	24%	11
Samburu	100%	100%	100%	100%	100%	2
Siaya	100%	19%	13%	44%	3%	14

County	Digital Rectal Examination	Prostate Specific Antigen (PSA)	Surgical intervention	Mean availability of tracer items	Percent of facilities with all items	Total number of facilities
Taita taveta	63%	82%	27%	57%	27%	6
Tana river	0%	0%	0%	0%	0%	0
Tharaka-nithi	74%	47%	28%	49%	28%	7
Trans nzoia	58%	69%	37%	55%	27%	4
Turkana	100%	100%	100%	100%	100%	1
Uasin gishu	100%	100%	100%	100%	100%	5
Vihiga	50%	58%	8%	39%	0%	7
Wajir	0%	0%	0%	0%	0%	0
West pokot	100%	0%	0%	33%	0%	1
Facility type						
Secondary & tertiary hospitals	88%	94%	94%	92%	81%	16
Public primary hospitals	77%	60%	38%	58%	26%	82
Private/ngo/fbo primary hospitals	78%	76%	70%	75%	58%	40
Health centres	85%	55%	19%	53%	9%	43
Dispensaries	65%	34%	4%	34%	4%	16
Medical clinics	60%	76%	4%	47%	4%	51
Managing authority						
Government	77%	49%	21%	49%	15%	125
Ngo / fbo	75%	71%	53%	66%	44%	32
Private	69%	74%	24%	56%	18%	91
Urban/rural						
Urban	75%	77%	38%	63%	31%	133
Rural	69%	54%	18%	47%	12%	115
Total	**72%**	**66%**	**29%**	**56%**	**22%**	**248**

Annex Table 76: Percentage of facilities that offer colorectal cancer services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Screen for, diagnose, or treat colorectal cancer	Stool guaiac test	Colonoscopy	Biopsy of colon polyp	Surgical interventions	Chemotherapy	Radiation therapy	Total number of facilities
Baringo	0%	0%	0%	0%	0%	0%	0%	63
Bomet	0%	0%	0%	0%	0%	0%	0%	56
Bungoma	1%	1%	0%	0%	1%	0%	0%	67
Busia	0%	0%	0%	0%	0%	0%	0%	56
Elgeyo-marakwet	2%	0%	0%	1%	1%	0%	0%	53
Embu	6%	4%	2%	2%	2%	1%	0%	63
Garissa	0%	0%	0%	0%	0%	0%	0%	59
Homa bay	2%	0%	0%	0%	0%	0%	0%	74
Isiolo	2%	0%	0%	0%	0%	0%	0%	36
Kajiado	0%	0%	0%	0%	0%	0%	0%	67
Kakamega	2%	2%	0%	0%	2%	0%	0%	73
Kericho	4%	4%	2%	3%	4%	2%	0%	63
Kiambu	5%	2%	0%	2%	2%	0%	0%	86
Kilifi	0%	0%	0%	0%	0%	0%	0%	69
Kirinyaga	2%	0%	0%	0%	2%	0%	0%	63
Kisii	0%	0%	0%	0%	0%	0%	0%	75
Kisumu	3%	0%	0%	0%	0%	0%	0%	73
Kitui	1%	0%	0%	0%	0%	0%	0%	75
Kwale	1%	1%	0%	0%	0%	1%	0%	54
Laikipia	2%	0%	2%	2%	2%	2%	0%	58
Lamu	0%	0%	0%	0%	0%	0%	0%	34
Machakos	2%	0%	0%	1%	0%	0%	0%	71
Makueni	0%	0%	0%	0%	0%	0%	0%	73
Mandera	0%	0%	0%	0%	0%	0%	0%	54
Marsabit	3%	3%	0%	0%	3%	0%	0%	48
Meru	3%	2%	3%	2%	2%	0%	0%	83
Migori	0%	0%	0%	0%	0%	0%	0%	69
Mombasa	6%	2%	1%	2%	4%	1%	0%	70
Murang'a	2%	2%	0%	0%	2%	0%	0%	67
Nairobi	3%	3%	3%	3%	3%	1%	0%	89
Nakuru	0%	0%	0%	0%	0%	0%	0%	87
Nandi	0%	0%	0%	0%	0%	0%	0%	62
Narok	2%	2%	0%	0%	1%	0%	1%	59
Nyamira	2%	0%	0%	0%	0%	0%	0%	61
Nyandarua	0%	0%	0%	0%	0%	0%	0%	57
Nyeri	6%	0%	0%	0%	2%	2%	0%	72

County	Screen for, diagnose, or treat colorectal cancer	Stool guaiac test	Colonoscopy	Biopsy of colon polyp	Surgical interventions	Chemotherapy	Radiation therapy	Total number of facilities
Samburu	0%	0%	0%	0%	0%	0%	0%	41
Siaya	9%	0%	0%	0%	1%	1%	0%	69
Taita taveta	2%	2%	2%	2%	2%	0%	0%	49
Tana river	0%	0%	0%	0%	0%	0%	0%	38
Tharaka-nithi	4%	0%	2%	2%	2%	0%	0%	55
Trans nzoia	0%	0%	0%	0%	0%	0%	0%	58
Turkana	0%	0%	0%	0%	0%	0%	0%	61
Uasin gishu	8%	1%	2%	8%	8%	6%	0%	62
Vihiga	1%	1%	0%	1%	1%	1%	1%	45
Wajir	0%	0%	0%	0%	0%	0%	0%	54
West pokot	0%	0%	0%	0%	0%	0%	0%	56
Facility type								
Secondary & tertiary hospitals	55%	45%	50%	50%	50%	50%	15%	20
Public primary hospitals	8%	3%	0%	1%	4%	1%	1%	307
Private/ngo/fbo primary hospitals	25%	14%	9%	15%	21%	6%	0%	84
Health centres	2%	1%	0%	0%	1%	0%	0%	465
Dispensaries	0%	0%	0%	0%	0%	0%	0%	1261
Medical clinics	1%	0%	0%	1%	0%	0%	0%	790
Managing authority								
Government	1%	0%	0%	0%	0%	0%	0%	1658
Ngo / fbo	5%	3%	2%	3%	4%	1%	0%	323
Private	2%	1%	1%	1%	1%	1%	0%	946
Urban/rural								
Urban	4%	2%	1%	2%	3%	1%	0%	873
Rural	1%	0%	0%	0%	1%	0%	0%	2054
Total	**2%**	**1%**	**1%**	**1%**	**1%**	**0%**	**0%**	**2927**

Annex Table 77: Percentage of facilities that have tracer items for colorectal cancer services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=77), Kenya 2018

County	Stool guaiac testing capacity	Histopathology services	5-Fluorouracil injection	Alkylating agents (cisplatin, carboplatin) intravenous	Colonoscopy	Mean availability of items	All items	Total number of facilities
Baringo	0%	0%	0%	0%	0%	0%	0%	2
Bomet	0%	0%	0%	0%	0%	0%	0%	0
Bungoma	0%	0%	0%	0%	0%	0%	0%	0
Busia	0%	0%	0%	0%	0%	0%	0%	0
Elgeyo-Marakwet	50%	0%	0%	0%	0%	10%	0%	2
Embu	77%	9%	0%	0%	32%	17%	0%	5
Garissa	0%	0%	0%	0%	0%	0%	0%	0
Homa Bay	0%	0%	0%	0%	0%	0%	0%	1
Isiolo	0%	0%	0%	0%	0%	0%	0%	1
Kajiado	100%	0%	0%	0%	0%	20%	0%	1
Kakamega	0%	0%	0%	0%	0%	0%	0%	2
Kericho	50%	0%	0%	0%	38%	10%	0%	4
Kiambu	0%	0%	0%	0%	0%	0%	0%	3
Kilifi	0%	0%	0%	0%	0%	0%	0%	1
Kirinyaga	0%	0%	0%	0%	0%	0%	0%	1
Kisii	0%	0%	0%	0%	0%	0%	0%	0
Kisumu	0%	15%	0%	15%	15%	9%	0%	4
Kitui	0%	0%	0%	0%	0%	0%	0%	3
Kwale	100%	0%	0%	0%	0%	20%	0%	1
Laikipia	0%	0%	0%	0%	100%	0%	0%	1
Lamu	0%	0%	0%	0%	0%	0%	0%	0
Machakos	17%	0%	0%	0%	0%	3%	0%	2
Makueni	100%	0%	0%	0%	0%	20%	0%	1
Mandera	0%	0%	0%	0%	0%	0%	0%	0
Marsabit	0%	0%	0%	0%	0%	0%	0%	1
Meru	26%	0%	0%	0%	100%	10%	0%	3
Migori	0%	0%	0%	0%	0%	0%	0%	0
Mombasa	100%	0%	6%	12%	12%	26%	0%	6
Murang'a	0%	0%	0%	0%	0%	0%	0%	1
Nairobi	16%	11%	22%	95%	100%	48%	11%	6
Nakuru	100%	0%	0%	0%	100%	100%	100%	1
Nandi	0%	0%	0%	0%	0%	0%	0%	0
Narok	0%	0%	0%	0%	0%	0%	0%	2
Nyamira	0%	0%	0%	0%	0%	0%	0%	1

County	Stool guaiac testing capacity	Histopathology services	5-Fluorouracil injection	Alkylating agents (cisplatin, carboplatin) intravenous	Colonoscopy	Mean availability of items	All items	Total number of facilities
Nyandarua	0%	0%	0%	0%	0%	0%	0%	0
Nyeri	32%	0%	32%	32%	0%	26%	0%	4
Samburu	0%	0%	0%	0%	0%	0%	0%	0
Siaya	5%	0%	0%	0%	0%	1%	0%	8
Taita Taveta	100%	0%	0%	0%	100%	20%	0%	1
Tana River	0%	0%	0%	0%	0%	0%	0%	0
Tharaka-Nithi	50%	0%	0%	0%	50%	10%	0%	2
Trans Nzoia	0%	0%	0%	0%	0%	0%	0%	0
Turkana	0%	0%	0%	0%	0%	0%	0%	0
Uasin Gishu	30%	6%	46%	54%	30%	38%	0%	5
Vihiga	0%	0%	0%	0%	0%	0%	0%	1
Wajir	0%	0%	0%	0%	0%	0%	0%	0
West Pokot	0%	0%	0%	0%	0%	0%	0%	0
Facility type								
Secondary & tertiary hospitals	82%	55%	55%	82%	91%	71%	27%	11
Public primary hospitals	29%	0%	0%	0%	4%	6%	0%	24
Private/ngo/ fbo primary hospitals	33%	0%	12%	32%	35%	22%	0%	17
Health centres	19%	0%	0%	0%	6%	4%	0%	13
Dispensaries	22%	0%	0%	0%	22%	4%	0%	3
Medical clinics	10%	0%	8%	0%	22%	4%	0%	9
Managing authority								
Government	25%	10%	4%	10%	13%	12%	4%	38
Ngo / fbo	28%	0%	12%	31%	43%	20%	0%	14
Private	28%	1%	11%	11%	21%	13%	1%	25
Urban/rural								
Urban	28%	4%	10%	22%	33%	18%	2%	50
Rural	26%	0%	9%	9%	14%	11%	0%	27
Total	**27%**	**3%**	**9%**	**17%**	**26%**	**15%**	**1%**	**77**

Annex Table 78: Percentage of facilities that offer mental and neurological care services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Offers any services for mental or neurological health	Mental disorders (depression, psychosis and bipolar disorder)	Psychological disorders (epilepsy and dementia)	Mental health inpatient ward is available	Neurological inpatient ward is available	Treatment for depression (mental health)	Treatment for psychosis (mental health)	Treatment for bipolar disorder (mental health)	Treatment for epilepsy (neurological health)	Treatment dementia (neurological health)	Linkages to provide supportive services for mental/ neurological health services	Total number of facilities
Baringo	5%	5%	1%	1%	1%	5%	5%	4%	3%	3%	2%	63
Bomet	9%	9%	6%	1%	0%	9%	9%	7%	7%	7%	3%	56
Bungoma	8%	8%	4%	4%	3%	8%	6%	6%	6%	6%	1%	67
Busia	5%	5%	5%	2%	2%	5%	5%	3%	5%	2%	0%	56
Elgeyo-marakwet	31%	13%	27%	3%	2%	23%	25%	15%	31%	24%	6%	53
Embu	14%	11%	6%	2%	1%	13%	10%	9%	14%	7%	3%	63
Garissa	4%	4%	4%	2%	2%	4%	4%	4%	4%	4%	2%	59
Homa bay	4%	4%	4%	0%	0%	2%	2%	2%	4%	4%	2%	74
Isiolo	2%	2%	2%	2%	0%	2%	2%	2%	2%	0%	0%	36
Kajiado	15%	15%	10%	3%	2%	12%	12%	9%	13%	7%	0%	67
Kakamega	15%	12%	8%	5%	2%	12%	12%	9%	15%	10%	7%	73
Kericho	8%	7%	5%	0%	0%	8%	8%	6%	8%	6%	1%	63
Kiambu	19%	19%	11%	1%	1%	11%	14%	8%	15%	9%	2%	86
Kilifi	7%	6%	4%	2%	0%	4%	3%	3%	4%	3%	0%	69
Kirinyaga	23%	23%	8%	2%	0%	23%	20%	22%	23%	15%	3%	63
Kisii	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	75
Kisumu	8%	8%	8%	4%	3%	5%	6%	5%	8%	5%	5%	73
Kitui	4%	4%	3%	0%	0%	3%	4%	2%	4%	2%	0%	75
Kwale	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	54
Laikipia	3%	3%	1%	1%	1%	3%	3%	3%	3%	3%	2%	58
Lamu	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34
Machakos	3%	3%	3%	0%	0%	3%	2%	2%	2%	1%	1%	71
Makueni	42%	36%	15%	0%	2%	20%	25%	14%	41%	14%	4%	73
Mandera	6%	6%	4%	0%	0%	5%	4%	3%	6%	1%	0%	54
Marsabit	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	0%	48
Meru	25%	25%	6%	2%	1%	18%	25%	14%	22%	11%	0%	83
Migori	4%	3%	3%	0%	0%	3%	4%	1%	4%	0%	0%	69
Mombasa	7%	2%	7%	3%	3%	7%	7%	6%	7%	6%	0%	70
Murang'a	23%	21%	17%	5%	2%	21%	21%	15%	23%	12%	15%	67
Nairobi	16%	16%	9%	5%	3%	16%	15%	13%	13%	12%	2%	89
Nakuru	10%	10%	9%	8%	6%	10%	10%	10%	10%	10%	2%	87
Nandi	3%	2%	2%	0%	0%	3%	3%	2%	3%	2%	2%	62

County	Offers any services for mental or neurological health	Mental disorders (depression, psychosis and bipolar disorder)	Psychological disorders (epilepsy and dementia)	Mental health inpatient ward is available	Neurological inpatient ward is available	Treatment for depression (mental health)	Treatment for psychosis (mental health)	Treatment for bipolar disorder (mental health)	Treatment for epilepsy (neurological health)	Treatment dementia (neurological health)	Linkages to provide supportive services for mental/ neurological health services	Total number of facilities
Narok	9%	7%	5%	5%	4%	9%	9%	7%	9%	7%	5%	59
Nyamira	7%	7%	5%	0%	0%	7%	7%	7%	7%	5%	1%	61
Nyandarua	17%	17%	10%	0%	0%	15%	10%	10%	16%	5%	6%	57
Nyeri	47%	45%	39%	0%	0%	44%	39%	33%	41%	39%	21%	72
Samburu	8%	5%	8%	3%	3%	5%	5%	5%	8%	5%	3%	41
Siaya	21%	19%	17%	1%	1%	19%	19%	19%	19%	19%	9%	69
Taita taveta	36%	34%	5%	1%	1%	32%	32%	19%	30%	23%	4%	49
Tana river	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38
Tharaka-nithi	11%	11%	8%	2%	0%	11%	7%	5%	11%	5%	2%	55
Trans nzoia	9%	7%	6%	2%	0%	7%	6%	5%	9%	3%	2%	58
Turkana	2%	2%	2%	2%	1%	2%	2%	2%	2%	2%	2%	61
Uasin gishu	13%	13%	11%	8%	8%	11%	11%	11%	10%	8%	0%	62
Vihiga	17%	15%	10%	1%	1%	10%	12%	9%	15%	10%	5%	45
Wajir	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	54
West pokot	3%	3%	2%	0%	0%	3%	2%	2%	2%	2%	3%	56
Facility type												
Secondary & tertiary hospitals	90%	85%	85%	75%	65%	90%	90%	90%	90%	90%	35%	20
Public primary hospitals	43%	42%	35%	15%	8%	40%	41%	36%	43%	36%	18%	307
Private/ngo/fbo primary hospitals	39%	37%	33%	20%	21%	33%	33%	33%	36%	33%	7%	84
Health centres	16%	15%	9%	3%	1%	14%	14%	11%	14%	9%	3%	465
Dispensaries	9%	7%	4%	1%	0%	6%	6%	4%	8%	3%	3%	1261
Medical clinics	12%	12%	7%	1%	0%	11%	10%	8%	10%	8%	1%	790
Managing authority												
Government	13%	11%	7%	1%	1%	9%	10%	7%	12%	7%	4%	1658
Ngo / fbo	10%	10%	8%	4%	3%	9%	9%	7%	9%	6%	3%	323
Private	15%	14%	10%	3%	2%	13%	13%	11%	13%	11%	1%	946
Urban/rural												
Urban	16%	15%	12%	4%	3%	15%	14%	13%	14%	12%	3%	873
Rural	12%	11%	6%	1%	1%	9%	9%	6%	11%	6%	3%	2054
Total	**13%**	**12%**	**8%**	**2%**	**2%**	**11%**	**11%**	**8%**	**12%**	**8%**	**3%**	**2927**

Annex Table 79: Percentage of facilities that have tracer items for mental and neurological care services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=429), Kenya 2018

County	Medicines used in depression: (Amitriptyline, Fluoxetine)	Medicines used in psychosis: (Chlorpromazine, Clozapine, Fluphenazine, Haloperidol, Risperidone)	Medicines used in bipolar disorders: (Carbamazepine, Lithium, Sodium valproate)	Medicines used as Antiepileptics: (Carbamazepine, Diazepam, Lamotrigine, Lorazepam, Midazolam, Phenobarbital, Phenytoin, Sodium valproate)	Mean availability of tracer items	Percent of facilities with all items	Total number of facilities
Baringo	100%	65%	90%	100%	89%	55%	5
Bomet	8%	45%	82%	100%	59%	8%	6
Bungoma	47%	34%	47%	100%	57%	29%	9
Busia	85%	85%	69%	100%	85%	69%	4
Elgeyo-marakwet	36%	36%	33%	68%	43%	20%	17
Embu	78%	54%	87%	100%	80%	45%	12
Garissa	58%	14%	58%	100%	57%	14%	3
Homa bay	18%	18%	0%	55%	23%	0%	4
Isiolo	100%	100%	100%	100%	100%	100%	1
Kajiado	37%	46%	36%	79%	50%	26%	11
Kakamega	46%	49%	32%	89%	54%	32%	16
Kericho	67%	73%	67%	100%	77%	46%	9
Kiambu	79%	80%	86%	100%	86%	65%	22
Kilifi	59%	38%	59%	79%	59%	38%	6
Kirinyaga	72%	58%	79%	93%	76%	58%	16
Kisii	100%	100%	100%	100%	100%	100%	2
Kisumu	50%	60%	60%	80%	63%	50%	8
Kitui	70%	100%	100%	100%	93%	70%	6
Kwale	0%	0%	0%	0%	0%	0%	0
Laikipia	100%	100%	73%	100%	93%	73%	3
Lamu	0%	0%	0%	0%	0%	0%	0
Machakos	100%	100%	31%	100%	83%	31%	6
Makueni	35%	44%	39%	96%	53%	28%	35
Mandera	65%	65%	65%	65%	65%	30%	4
Marsabit	100%	100%	100%	100%	100%	100%	1
Meru	50%	45%	54%	83%	58%	27%	24
Migori	100%	62%	100%	100%	91%	62%	3
Mombasa	79%	79%	62%	79%	75%	62%	8
Murang'a	93%	71%	70%	100%	84%	56%	19
Nairobi	77%	33%	64%	100%	68%	33%	19
Nakuru	92%	77%	100%	100%	92%	77%	12

County	Medicines used in depression: (Amitriptyline, Fluoxetine)	Medicines used in psychosis: (Chlorpromazine, Clozapine, Fluphenazine, Haloperidol, Risperidone)	Medicines used in bipolar disorders: (Carbamazepine, Lithium, Sodium valproate)	Medicines used as Antiepileptics: (Carbamazepine, Diazepam, Lamotrigine, Lorazepam, Midazolam, Phenobarbital, Phenytoin, Sodium valproate)	Mean availability of tracer items	Percent of facilities with all items	Total number of facilities
Nandi	49%	100%	49%	100%	75%	49%	4
Narok	100%	100%	100%	100%	100%	100%	7
Nyamira	72%	72%	100%	100%	86%	72%	4
Nyandarua	89%	69%	100%	100%	90%	58%	11
Nyeri	84%	76%	52%	97%	77%	47%	35
Samburu	67%	100%	67%	100%	84%	67%	4
Siaya	61%	52%	57%	92%	66%	50%	17
Taita taveta	46%	28%	52%	88%	54%	28%	19
Tana river	0%	0%	0%	100%	25%	0%	1
Tharaka-nithi	82%	82%	64%	100%	82%	64%	6
Trans nzoia	80%	59%	80%	80%	75%	59%	7
Turkana	100%	100%	100%	100%	100%	100%	4
Uasin gishu	87%	87%	87%	87%	87%	87%	8
Vihiga	60%	73%	46%	87%	67%	46%	9
Wajir	0%	0%	0%	0%	0%	0%	0
West pokot	0%	50%	50%	100%	50%	0%	2
Facility type							
Secondary & tertiary hospitals	100%	100%	89%	100%	97%	89%	18
Public primary hospitals	92%	96%	86%	99%	93%	80%	132
Private/ngo/fbo primary hospitals	100%	100%	98%	100%	99%	98%	30
Health centres	66%	63%	75%	99%	76%	48%	65
Dispensaries	42%	38%	37%	88%	51%	18%	95
Medical clinics	69%	49%	57%	89%	66%	38%	89
Managing authority							
Government	56%	55%	56%	94%	65%	34%	270
Ngo / fbo	78%	68%	78%	92%	79%	67%	33
Private	75%	61%	65%	92%	73%	51%	126
Urban/rural							
Urban	76%	63%	69%	92%	75%	54%	183
Rural	60%	57%	57%	94%	67%	39%	246
Total	**66%**	**59%**	**62%**	**93%**	**70%**	**45%**	**429**

Annex Table 80: Percentage of facilities that offer services for victims of violence and sexual abuse by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Services for victims of intimate partner/ sexual violence	Services for victims of child maltreatment	Systematic screening in multiple services for victims of child maltreatment	Services for victims of youth violence	Forensic assessment and examinations	Rapid HIV test	Emergency contraception	Counseling services	Total number of facilities
Baringo	31%	15%	4%	12%	4%	26%	28%	26%	63
Bomet	9%	1%	1%	3%	7%	9%	4%	9%	56
Bungoma	44%	36%	29%	36%	5%	44%	40%	44%	67
Busia	68%	46%	26%	45%	25%	63%	57%	66%	56
Elgeyo-marakwet	52%	34%	12%	29%	20%	44%	47%	52%	53
Embu	27%	11%	4%	11%	3%	24%	25%	25%	63
Garissa	7%	3%	1%	4%	1%	5%	4%	4%	59
Homa bay	34%	19%	9%	22%	15%	31%	29%	31%	74
Isiolo	66%	17%	9%	52%	3%	64%	61%	64%	36
Kajiado	10%	7%	2%	7%	7%	9%	9%	9%	67
Kakamega	50%	32%	21%	31%	14%	50%	45%	50%	73
Kericho	55%	48%	41%	44%	12%	53%	29%	54%	63
Kiambu	37%	19%	11%	20%	6%	35%	29%	35%	86
Kilifi	32%	20%	12%	19%	14%	26%	26%	29%	69
Kirinyaga	8%	8%	1%	8%	1%	8%	8%	8%	63
Kisii	41%	28%	16%	19%	20%	35%	34%	39%	75
Kisumu	40%	36%	12%	35%	14%	35%	32%	39%	73
Kitui	25%	12%	3%	11%	3%	20%	22%	19%	75
Kwale	37%	7%	3%	5%	4%	35%	24%	35%	54
Laikipia	33%	9%	3%	11%	9%	31%	31%	33%	58
Lamu	17%	8%	5%	0%	11%	17%	17%	17%	34
Machakos	19%	14%	7%	10%	7%	19%	16%	16%	71
Makueni	24%	16%	7%	9%	10%	20%	21%	20%	73
Mandera	25%	9%	1%	10%	1%	25%	19%	20%	54
Marsabit	9%	5%	0%	5%	6%	9%	6%	9%	48
Meru	31%	8%	2%	13%	1%	28%	20%	29%	83
Migori	40%	24%	13%	25%	3%	39%	21%	40%	69
Mombasa	19%	12%	7%	10%	2%	19%	19%	14%	70
Murang'a	32%	17%	11%	19%	9%	31%	24%	27%	67
Nairobi	41%	15%	10%	10%	6%	28%	20%	30%	89
Nakuru	17%	14%	12%	13%	8%	16%	13%	17%	87
Nandi	19%	6%	4%	2%	2%	17%	14%	19%	62
Narok	17%	13%	11%	13%	7%	17%	13%	17%	59
Nyamira	71%	42%	31%	43%	23%	71%	66%	71%	61
Nyandarua	18%	14%	7%	14%	3%	18%	18%	18%	57

County	Services for victims of intimate partner/ sexual violence	Services for victims of child maltreatment	Systematic screening in multiple services for victims of child maltreatment	Services for victims of youth violence	Forensic assessment and examinations	Rapid HIV test	Emergency contraception	Counseling services	Total number of facilities
Nyeri	13%	7%	5%	12%	3%	12%	11%	13%	72
Samburu	19%	17%	12%	17%	7%	19%	17%	19%	41
Siaya	64%	52%	41%	50%	36%	62%	56%	64%	69
Taita taveta	46%	27%	15%	30%	10%	42%	31%	46%	49
Tana river	26%	14%	8%	10%	5%	22%	10%	22%	38
Tharaka-nithi	39%	14%	5%	20%	9%	36%	32%	39%	55
Trans nzoia	16%	4%	4%	2%	7%	16%	8%	14%	58
Turkana	33%	11%	8%	7%	14%	30%	28%	31%	61
Uasin gishu	39%	23%	12%	27%	4%	39%	32%	39%	62
Vihiga	53%	25%	13%	24%	23%	42%	36%	49%	45
Wajir	15%	3%	0%	0%	1%	13%	9%	15%	54
West pokot	18%	5%	5%	3%	5%	16%	12%	18%	56
Facility type									
Secondary & tertiary hospitals	95%	90%	50%	80%	55%	80%	90%	80%	20
Public primary hospitals	87%	67%	43%	59%	43%	83%	76%	83%	307
Private/ngo/fbo primary hospitals	67%	45%	29%	47%	25%	62%	44%	66%	84
Health centres	47%	27%	14%	24%	14%	43%	38%	44%	465
Dispensaries	30%	15%	9%	16%	6%	27%	22%	28%	1261
Medical clinics	16%	7%	4%	7%	4%	13%	12%	14%	790
Managing authority									
Government	40%	23%	14%	22%	11%	37%	32%	37%	1658
Ngo / fbo	31%	19%	11%	18%	10%	28%	18%	29%	323
Private	21%	10%	6%	10%	5%	18%	16%	18%	946
Urban/rural									
Urban	30%	17%	11%	16%	8%	26%	23%	27%	873
Rural	32%	18%	10%	17%	8%	29%	25%	30%	2054
Total	**31%**	**17%**	**10%**	**17%**	**8%**	**28%**	**24%**	**29%**	**2927**

Annex Table 81: Percentage of facilities that offer palliative care services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Offers palliative care	Inpatient palliative care	Outpatient palliative care	Home-based care	Facility linkages with home-based services	Total number of facilities
Baringo	0%	0%	0%	0%	0%	63
Bomet	1%	0%	1%	1%	1%	56
Bungoma	3%	1%	2%	1%	3%	67
Busia	6%	6%	6%	0%	0%	56
Elgeyo-marakwet	9%	5%	9%	0%	3%	53
Embu	1%	1%	1%	1%	0%	63
Garissa	1%	0%	1%	0%	0%	59
Homa bay	3%	0%	2%	2%	2%	74
Isiolo	0%	0%	0%	0%	0%	36
Kajiado	0%	0%	0%	0%	0%	67
Kakamega	7%	3%	6%	3%	3%	73
Kericho	11%	6%	11%	4%	2%	63
Kiambu	9%	4%	9%	3%	2%	86
Kilifi	2%	1%	2%	0%	0%	69
Kirinyaga	2%	2%	0%	0%	0%	63
Kisii	12%	8%	12%	1%	2%	75
Kisumu	12%	11%	6%	5%	6%	73
Kitui	1%	1%	1%	0%	0%	75
Kwale	0%	0%	0%	0%	0%	54
Laikipia	1%	1%	0%	1%	0%	58
Lamu	0%	0%	0%	0%	0%	34
Machakos	3%	0%	3%	2%	1%	71
Makueni	1%	1%	0%	0%	0%	73
Mandera	0%	0%	0%	0%	0%	54
Marsabit	3%	3%	3%	3%	3%	48
Meru	3%	3%	1%	1%	1%	83
Migori	2%	0%	2%	0%	0%	69
Mombasa	6%	1%	5%	3%	4%	70
Murang'a	4%	0%	4%	2%	1%	67
Nairobi	1%	0%	0%	0%	0%	89
Nakuru	0%	0%	0%	0%	0%	87
Nandi	1%	1%	0%	0%	0%	62
Narok	3%	2%	1%	0%	2%	59
Nyamira	7%	1%	6%	3%	3%	61
Nyandarua	2%	2%	1%	1%	2%	57
Nyeri	4%	2%	4%	0%	3%	72
Samburu	3%	0%	3%	3%	3%	41
Siaya	6%	6%	6%	3%	2%	69

County	Offers palliative care	Inpatient palliative care	Outpatient palliative care	Home-based care	Facility linkages with home-based services	Total number of facilities
Taita taveta	1%	0%	1%	1%	1%	49
Tana river	2%	2%	0%	0%	0%	38
Tharaka-nithi	2%	2%	2%	2%	2%	55
Trans nzoia	2%	2%	1%	1%	1%	58
Turkana	0%	0%	0%	0%	0%	61
Uasin gishu	4%	4%	4%	2%	4%	62
Vihiga	6%	1%	5%	0%	2%	45
Wajir	0%	0%	0%	0%	0%	54
West pokot	2%	1%	2%	2%	1%	56
Facility type						
Secondary & tertiary hospitals	85%	60%	80%	25%	55%	20
Public primary hospitals	19%	14%	15%	6%	9%	307
Private/ngo/fbo primary hospitals	25%	23%	21%	10%	12%	84
Health centres	4%	2%	2%	1%	1%	465
Dispensaries	1%	0%	1%	0%	0%	1261
Medical clinics	2%	0%	2%	1%	1%	790
Managing authority						
Government	3%	1%	2%	1%	1%	1658
Ngo / fbo	6%	5%	5%	2%	3%	323
Private	3%	1%	3%	1%	1%	946
Urban/rural						
Urban	5%	3%	4%	1%	2%	873
Rural	3%	1%	2%	1%	1%	2054
Total	**3%**	**2%**	**3%**	**1%**	**1%**	**2927**

Annex Table 82: Percentage of facilities that have tracer items for palliative care services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=140), Kenya 2018

County	Buprenorphine or naloxone (Opioid antagonist)	Intravenous for rehydration (normal saline or ringers lactate) with infusion set	Intravenous nutritional supplement	Food supplement to be provided orally (RUTF, F75, F100, or Micronutrient powder	Methadone or Morphine (oral or injection) or meperidine or Nalbuphine	Acetaminophen or Ibuprofen tablets/capsules	Vitamin A	Iron or iron with folic acid	Mean availability of items	Percent of facilities with all items	Total number of facilities
Baringo	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0
Bomet	0%	100%	0%	100%	100%	100%	0%	100%	63%	0%	1
Bungoma	16%	100%	16%	32%	49%	100%	32%	100%	56%	0%	4
Busia	13%	87%	0%	59%	100%	100%	100%	100%	70%	0%	3
Elgeyo-marakwet	0%	100%	0%	100%	27%	100%	66%	100%	62%	0%	6
Embu	100%	100%	0%	100%	100%	100%	0%	100%	75%	0%	1
Garissa	100%	100%	0%	0%	100%	100%	100%	100%	75%	0%	1
Homa bay	0%	100%	49%	51%	51%	100%	100%	100%	69%	0%	2
Isiolo	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1
Kajiado	0%	100%	0%	100%	100%	100%	100%	100%	75%	0%	8
Kakamega	11%	74%	0%	22%	22%	74%	74%	74%	44%	0%	0
Kericho	24%	96%	0%	24%	35%	100%	55%	100%	54%	0%	10
Kiambu	4%	85%	0%	22%	41%	85%	82%	100%	52%	0%	10
Kilifi	16%	32%	16%	32%	16%	32%	32%	32%	26%	0%	3
Kirinyaga	100%	100%	100%	0%	100%	100%	100%	100%	88%	0%	1
Kisii	0%	84%	9%	27%	45%	88%	48%	88%	49%	0%	13
Kisumu	46%	86%	36%	46%	64%	86%	57%	86%	63%	14%	10
Kitui	50%	100%	0%	100%	100%	100%	100%	100%	81%	0%	2
Kwale	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0
Laikipia	100%	100%	0%	0%	100%	100%	0%	100%	63%	0%	1
Lamu	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0
Machakos	24%	100%	12%	24%	24%	100%	88%	100%	59%	0%	3
Makueni	25%	100%	0%	100%	50%	100%	100%	100%	72%	0%	4
Mandera	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0
Marsabit	0%	100%	0%	0%	100%	100%	100%	100%	63%	0%	1
Meru	27%	100%	7%	34%	100%	100%	66%	100%	67%	0%	3
Migori	0%	100%	0%	100%	0%	100%	100%	100%	63%	0%	1
Mombasa	12%	78%	12%	47%	78%	100%	94%	74%	62%	6%	7
Murang'a	0%	100%	9%	0%	17%	100%	17%	59%	38%	0%	4
Nairobi	100%	100%	100%	75%	100%	100%	100%	100%	97%	75%	4
Nakuru	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Nandi	100%	100%	0%	0%	0%	100%	100%	100%	63%	0%	1

County	Buprenorphine or naloxone (Opioid antagonist)	Intravenous for rehydration (normal saline or ringers lactate) with infusion set	Intravenous nutritional supplement	Food supplement to be provided orally (RUTF, F75, F100, or Micronutrient powder	Methadone or Morphine (oral or injection) or meperidine or Nalbuphine	Acetaminophen or Ibuprofen tablets/capsules	Vitamin A	Iron or iron with folic acid	Mean availability of items	Percent of facilities with all items	Total number of facilities
Narok	0%	100%	0%	20%	100%	100%	100%	100%	65%	0%	3
Nyamira	10%	81%	10%	35%	10%	74%	100%	100%	52%	0%	5
Nyandarua	33%	100%	100%	100%	100%	100%	100%	100%	92%	33%	2
Nyeri	93%	93%	57%	57%	100%	100%	57%	65%	78%	50%	4
Samburu	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1
Siaya	0%	75%	0%	34%	35%	44%	100%	84%	46%	0%	6
Taita taveta	100%	100%	0%	100%	100%	100%	100%	100%	88%	0%	1
Tana river	100%	100%	0%	100%	0%	0%	100%	100%	63%	0%	1
Tharaka-nithi	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	1
Trans nzoia	0%	100%	0%	0%	100%	100%	100%	100%	63%	0%	2
Turkana	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0
Uasin gishu	53%	100%	100%	53%	100%	100%	100%	100%	88%	53%	3
Vihiga	0%	100%	0%	0%	60%	100%	100%	100%	58%	0%	3
Wajir	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0
West pokot	32%	100%	0%	32%	100%	100%	32%	100%	62%	0%	2
Facility type											
Secondary & tertiary hospitals	94%	100%	71%	77%	100%	100%	77%	100%	90%	35%	17
Public primary hospitals	24%	90%	14%	67%	69%	98%	93%	97%	69%	2%	58
Private/ngo/fbo primary hospitals	36%	100%	26%	45%	95%	100%	57%	100%	70%	15%	23
Health centres	6%	89%	6%	32%	41%	90%	83%	92%	55%	0%	16
Dispensaries	0%	71%	9%	18%	0%	62%	88%	88%	42%	0%	11
Medical clinics	14%	81%	6%	6%	25%	81%	56%	66%	42%	6%	15
Managing authority											
Government	21%	85%	13%	57%	46%	83%	88%	97%	61%	4%	85
Ngo / fbo	21%	91%	22%	52%	69%	95%	73%	95%	65%	13%	20
Private	24%	91%	17%	10%	54%	91%	59%	80%	53%	6%	35
Urban/rural											
Urban	30%	90%	20%	42%	79%	95%	62%	88%	63%	7%	74
Rural	15%	87%	13%	33%	33%	84%	83%	91%	55%	8%	66
Total	**22%**	**89%**	**17%**	**37%**	**55%**	**89%**	**73%**	**90%**	**59%**	**7%**	**140**

Annex Table 83: Percentage of facilities that offer rehabilitation care services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Facility offers rehabilitation care	Total number of facilities
Baringo	1%	63
Bomet	5%	56
Bungoma	3%	67
Busia	8%	56
Elgeyo-marakwet	2%	53
Embu	2%	63
Garissa	3%	59
Homa bay	1%	74
Isiolo	0%	36
Kajiado	7%	67
Kakamega	5%	73
Kericho	5%	63
Kiambu	13%	86
Kilifi	8%	69
Kirinyaga	6%	63
Kisii	7%	75
Kisumu	13%	73
Kitui	3%	75
Kwale	6%	54
Laikipia	1%	58
Lamu	3%	34
Machakos	2%	71
Makueni	1%	73
Mandera	2%	54
Marsabit	5%	48
Meru	1%	83
Migori	2%	69
Mombasa	3%	70
Murang'a	1%	67
Nairobi	4%	89
Nakuru	5%	87
Nandi	2%	62
Narok	3%	59
Nyamira	1%	61
Nyandarua	3%	57
Nyeri	4%	72
Samburu	0%	41
Siaya	3%	69
Taita taveta	5%	49
Tana river	2%	38

County	Facility offers rehabilitation care	Total number of facilities
Tharaka-nithi	2%	55
Trans nzoia	3%	58
Turkana	0%	61
Uasin gishu	5%	62
Vihiga	1%	45
Wajir	0%	54
West pokot	1%	56
Facility type		
Secondary & tertiary hospitals	90%	20
Public primary hospitals	33%	307
Private/ngo/fbo primary hospitals	36%	84
Health centres	3%	465
Dispensaries	1%	1261
Medical clinics	2%	790
Managing authority		
Government	3%	1658
Ngo / fbo	8%	323
Private	4%	946
Urban/rural		
Urban	8%	873
Rural	2%	2054
Total	4%	2927

Annex Table 84: Percentage of facilities that have tracer items for rehabilitation care services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=181), Kenya 2018

County	Dedicated therapy treatment space	Parallel Bars	Height adjustable treatment bed/ plinth	Upper limb exercise equipment (weights/ pulleys/ TheraBand)	Measuring tape / Goniometer	Walking frames/ crutches/ walking sticks	Compression bandages / tubigrip	Casting and splinting kit	Audiometric equipment and booth	Equipment for pediatric rehabilitation (mats/ toys/ walking frames/ standing frames)	Patient education materials	Mean availability of items	Percent of facilities with all items	Total number of facilities
Baringo	50%	0%	0%	0%	50%	0%	50%	0%	0%	50%	0%	18%	0%	2
Bomet	61%	61%	61%	61%	61%	61%	61%	61%	61%	61%	61%	61%	61%	3
Bungoma	100%	32%	32%	49%	100%	100%	100%	49%	16%	49%	100%	66%	16%	4
Busia	100%	28%	28%	38%	91%	91%	100%	19%	52%	61%	91%	63%	19%	6
Elgeyo-marakwet	100%	67%	0%	33%	33%	33%	67%	33%	0%	33%	0%	36%	0%	3
Embu	100%	67%	33%	67%	67%	33%	67%	33%	0%	100%	67%	58%	0%	3
Garissa	38%	19%	38%	19%	19%	19%	19%	19%	0%	19%	19%	21%	0%	3
Homa bay	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2
Isiolo	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0
Kajiado	49%	26%	44%	28%	44%	26%	49%	28%	0%	26%	21%	31%	0%	6
Kakamega	68%	7%	32%	15%	61%	61%	32%	39%	7%	7%	46%	34%	0%	7
Kericho	100%	0%	45%	55%	66%	100%	90%	0%	0%	10%	0%	42%	0%	5
Kiambu	79%	13%	37%	38%	64%	61%	40%	16%	1%	26%	50%	39%	0%	14
Kilifi	50%	9%	19%	19%	24%	24%	24%	19%	0%	9%	19%	20%	0%	8
Kirinyaga	44%	0%	0%	8%	0%	8%	8%	0%	0%	16%	0%	8%	0%	5
Kisii	92%	54%	31%	54%	92%	85%	54%	39%	31%	8%	31%	52%	0%	7
Kisumu	63%	35%	31%	28%	50%	50%	47%	19%	0%	35%	22%	35%	0%	11
Kitui	80%	20%	10%	20%	20%	30%	20%	20%	0%	10%	10%	22%	0%	7
Kwale	23%	0%	0%	23%	23%	23%	0%	11%	0%	11%	23%	12%	0%	5
Laikipia	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1
Lamu	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	9%	0%	1
Machakos	100%	86%	72%	86%	86%	86%	86%	100%	14%	100%	0%	74%	0%	3
Makueni	100%	25%	25%	0%	50%	50%	50%	25%	0%	100%	25%	41%	0%	4
Mandera	50%	50%	0%	50%	0%	0%	50%	0%	0%	0%	0%	18%	0%	2
Marsabit	100%	80%	80%	80%	80%	80%	80%	80%	0%	20%	20%	64%	0%	3
Meru	85%	15%	56%	70%	70%	56%	56%	56%	0%	70%	85%	56%	0%	4
Migori	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2
Mombasa	53%	21%	21%	32%	53%	43%	32%	43%	0%	32%	53%	35%	0%	6
Murang'a	100%	50%	50%	100%	100%	100%	100%	100%	50%	100%	50%	82%	50%	2
Nairobi	19%	15%	15%	15%	15%	19%	15%	19%	7%	11%	15%	15%	7%	7
Nakuru	100%	17%	88%	21%	92%	92%	88%	96%	0%	21%	21%	58%	0%	9
Nandi	67%	0%	0%	0%	0%	33%	33%	0%	0%	0%	0%	12%	0%	3
Narok	20%	0%	0%	0%	20%	0%	20%	0%	0%	20%	0%	7%	0%	3
Nyamira	50%	50%	0%	0%	0%	0%	0%	0%	50%	0%	0%	14%	0%	2
Nyandarua	52%	52%	35%	52%	52%	52%	35%	35%	35%	35%	52%	44%	35%	3
Nyeri	66%	13%	0%	59%	59%	66%	0%	7%	59%	13%	7%	32%	0%	5

County	Dedicated therapy treatment space	Parallel Bars	Height adjustable treatment bed/ plinth	Upper limb exercise equipment (weights/ pulleys/ TheraBand)	Measuring tape / Goniometer	Walking frames/ crutches/ walking sticks	Compression bandages / tubigrip	Casting and splinting kit	Audiometric equipment and booth	Equipment for pediatric rehabilitation (mats/ toys/ walking frames/ standing frames)	Patient education materials	Mean availability of items	Percent of facilities with all items	Total number of facilities
Samburu	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0
Siaya	36%	36%	36%	36%	36%	18%	36%	18%	0%	18%	36%	28%	0%	3
Taita taveta	60%	60%	20%	20%	40%	0%	40%	20%	0%	40%	20%	29%	0%	4
Tana river	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1
Tharaka-nithi	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Trans nzoia	50%	0%	25%	25%	25%	25%	25%	0%	0%	25%	25%	21%	0%	4
Turkana	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0
Uasin gishu	100%	43%	91%	10%	81%	91%	81%	81%	10%	19%	53%	60%	9%	5
Vihiga	100%	100%	0%	0%	100%	100%	0%	0%	0%	100%	100%	55%	0%	1
Wajir	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0
West pokot	100%	100%	0%	100%	100%	100%	0%	0%	0%	0%	0%	46%	0%	1
Facility type														
Secondary & tertiary hospitals	100%	94%	61%	83%	83%	78%	72%	89%	39%	83%	72%	78%	17%	18
Public primary hospitals	80%	35%	24%	39%	52%	51%	42%	30%	8%	45%	38%	40%	5%	100
Private/ngo/fbo primary hospitals	80%	16%	48%	44%	75%	70%	55%	35%	17%	22%	31%	45%	6%	29
Health centres	64%	18%	25%	11%	37%	37%	37%	8%	0%	18%	31%	26%	0%	14
Dispensaries	22%	22%	22%	22%	22%	22%	22%	22%	0%	22%	9%	19%	0%	7
Medical clinics	40%	6%	23%	7%	29%	34%	29%	23%	0%	0%	23%	19%	0%	13
Managing authority														
Government	75%	34%	22%	36%	45%	43%	36%	30%	10%	40%	34%	37%	5%	121
Ngo / fbo	75%	27%	50%	46%	75%	75%	57%	37%	18%	37%	38%	49%	8%	22
Private	55%	12%	32%	20%	43%	41%	39%	23%	3%	8%	25%	27%	1%	38
Urban/rural														
Urban	63%	23%	36%	32%	50%	52%	44%	32%	5%	26%	34%	36%	3%	109
Rural	74%	24%	28%	32%	56%	49%	41%	25%	15%	28%	26%	36%	5%	72
Total	**67%**	**23%**	**33%**	**32%**	**52%**	**51%**	**43%**	**29%**	**9%**	**26%**	**31%**	**36%**	**4%**	**181**

Annex Table 85: Percentage of facilities that offer basic surgery services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Offers basic surgical services	Incision and drainage of abscesses	Wound debridement	Acute burn management	Suturing	Closed repair of fracture	Cricothyroidotomy	Male circumcision	Hydrocele reduction	Chest tube insertion	Closed repair of dislocated joint	Biopsy of lymph node or mass or other	Removal of foreign body	Total number of facilities
Baringo	87%	75%	53%	29%	87%	6%	3%	13%	4%	3%	6%	4%	20%	63
Bomet	30%	28%	6%	4%	25%	6%	3%	11%	6%	6%	6%	6%	18%	56
Bungoma	81%	80%	34%	39%	81%	3%	4%	72%	5%	4%	6%	4%	61%	67
Busia	89%	87%	50%	67%	85%	9%	6%	44%	10%	6%	11%	7%	51%	56
Elgeyo-marakwet	94%	84%	32%	78%	90%	2%	1%	10%	5%	3%	7%	5%	70%	53
Embu	88%	83%	41%	72%	86%	8%	3%	36%	5%	5%	10%	11%	54%	63
Garissa	51%	49%	25%	16%	48%	2%	1%	29%	2%	2%	2%	2%	12%	59
Homa bay	86%	81%	54%	43%	86%	7%	5%	31%	8%	5%	8%	7%	49%	74
Isiolo	85%	80%	58%	56%	85%	4%	2%	63%	2%	2%	6%	2%	37%	36
Kajiado	83%	81%	33%	28%	81%	6%	2%	45%	4%	6%	9%	4%	42%	67
Kakamega	83%	73%	64%	62%	83%	11%	2%	53%	8%	1%	15%	8%	56%	73
Kericho	53%	46%	20%	27%	53%	6%	5%	15%	7%	7%	8%	7%	35%	63
Kiambu	94%	94%	70%	78%	94%	17%	8%	57%	12%	7%	25%	9%	83%	86
Kilifi	85%	85%	58%	63%	85%	14%	3%	65%	11%	7%	18%	6%	52%	69
Kirinyaga	78%	78%	33%	58%	78%	11%	0%	43%	7%	7%	10%	9%	54%	63
Kisii	90%	89%	54%	52%	90%	7%	5%	56%	8%	8%	11%	11%	58%	75
Kisumu	66%	47%	26%	28%	51%	10%	8%	28%	8%	9%	11%	9%	35%	73
Kitui	78%	70%	43%	37%	76%	4%	2%	41%	7%	4%	8%	3%	26%	75
Kwale	94%	94%	34%	41%	94%	1%	1%	63%	2%	2%	8%	2%	46%	54
Laikipia	70%	57%	17%	34%	68%	8%	1%	48%	4%	6%	8%	9%	12%	58
Lamu	91%	88%	23%	51%	91%	5%	2%	16%	5%	2%	11%	6%	27%	34
Machakos	83%	82%	47%	44%	80%	9%	2%	64%	7%	4%	16%	9%	53%	71
Makueni	92%	78%	31%	53%	91%	6%	4%	64%	2%	2%	3%	5%	64%	73
Mandera	96%	92%	47%	55%	96%	5%	0%	57%	4%	5%	6%	2%	78%	54
Marsabit	76%	72%	37%	74%	74%	3%	0%	36%	6%	6%	4%	3%	30%	48
Meru	65%	62%	36%	48%	58%	10%	3%	33%	3%	3%	10%	5%	39%	83
Migori	92%	92%	33%	38%	92%	10%	0%	30%	3%	4%	5%	2%	48%	69
Mombasa	79%	77%	49%	53%	74%	10%	9%	62%	14%	9%	9%	9%	30%	70
Murang'a	100%	79%	65%	87%	95%	10%	4%	54%	8%	5%	8%	7%	88%	67
Nairobi	88%	86%	61%	75%	87%	17%	8%	63%	14%	11%	12%	16%	58%	89
Nakuru	73%	69%	46%	55%	73%	10%	2%	49%	8%	7%	13%	11%	65%	87
Nandi	90%	90%	28%	86%	90%	4%	1%	23%	3%	3%	5%	3%	33%	62
Narok	75%	72%	41%	36%	75%	6%	1%	20%	4%	1%	9%	3%	68%	59
Nyamira	96%	95%	42%	62%	96%	4%	2%	48%	5%	2%	9%	1%	76%	61
Nyandarua	82%	76%	22%	34%	82%	2%	1%	46%	2%	2%	4%	2%	35%	57

County	Offers basic surgical services	Incision and drainage of abscesses	Wound debridement	Acute burn management	Suturing	Closed repair of fracture	Cricothyroidotomy	Male circumcision	Hydrocele reduction	Chest tube insertion	Closed repair of dislocated joint	Biopsy of lymph node or mass or other	Removal of foreign body	Total number of facilities
Nyeri	82%	70%	29%	42%	79%	9%	2%	42%	7%	4%	10%	6%	45%	72
Samburu	70%	70%	37%	5%	70%	5%	3%	35%	5%	3%	13%	3%	47%	41
Siaya	93%	88%	59%	71%	93%	12%	2%	34%	7%	4%	22%	4%	64%	69
Taita taveta	98%	98%	80%	93%	98%	12%	1%	74%	6%	5%	19%	6%	78%	49
Tana river	86%	86%	51%	56%	86%	8%	4%	43%	11%	4%	11%	4%	55%	38
Tharaka-nithi	66%	62%	39%	39%	64%	7%	3%	18%	3%	3%	7%	5%	37%	55
Trans nzoia	69%	60%	30%	45%	67%	10%	7%	34%	8%	7%	5%	7%	46%	58
Turkana	59%	59%	16%	30%	58%	2%	1%	11%	2%	1%	4%	1%	42%	61
Uasin gishu	74%	69%	44%	50%	74%	14%	10%	25%	8%	8%	10%	10%	46%	62
Vihiga	84%	82%	50%	56%	84%	10%	2%	41%	6%	3%	11%	4%	50%	45
Wajir	65%	63%	32%	19%	61%	5%	4%	40%	3%	3%	5%	3%	29%	54
West pokot	95%	84%	37%	32%	90%	3%	1%	12%	2%	1%	6%	1%	13%	56
Facility type														
Secondary & tertiary hospitals	100%	100%	95%	95%	100%	95%	70%	90%	90%	90%	95%	95%	95%	20
Public primary hospitals	95%	93%	77%	87%	94%	38%	17%	83%	30%	34%	46%	36%	82%	307
Private/ngo/fbo primary hospitals	94%	94%	91%	84%	94%	70%	42%	89%	72%	69%	71%	70%	88%	84
Health centres	89%	86%	54%	59%	88%	12%	4%	58%	8%	6%	13%	9%	60%	465
Dispensaries	76%	70%	30%	43%	74%	2%	1%	25%	1%	0%	3%	0%	40%	1261
Medical clinics	80%	76%	48%	52%	78%	7%	1%	52%	4%	2%	9%	4%	51%	790
Managing authority														
Government	78%	72%	35%	46%	76%	4%	2%	32%	3%	3%	6%	3%	44%	1658
Ngo / fbo	83%	80%	48%	60%	81%	12%	4%	37%	11%	9%	13%	11%	51%	323
Private	83%	79%	52%	56%	82%	13%	6%	59%	10%	7%	16%	10%	57%	946
Urban/rural														
Urban	81%	79%	54%	58%	80%	18%	8%	57%	14%	11%	19%	15%	55%	873
Rural	81%	75%	38%	49%	79%	4%	2%	36%	3%	2%	6%	2%	47%	2054
Total	**81%**	**76%**	**43%**	**52%**	**79%**	**9%**	**4%**	**43%**	**7%**	**5%**	**10%**	**7%**	**50%**	**2927**

Annex Table 86: Percentage of facilities that have tracer items for basic surgery services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2393), Kenya 2018

County	Needle holder	Scalpel handle with blade	Retractor	Surgical scissors	Nasogastric tubes	Tourniquet	Adult and paediatric resuscitators	Suction apparatus	Oxygen	Skin disinfectant	Sutures	Ketamine (injectable)	Lidocaine (1% or 2% injectable)	Splints for extremities	Material for cast	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Baringo	3%	3%	3%	3%	1%	1%	1%	3%	5%	51%	94%	3%	92%	0%	30%	1%	23%	55
Bomet	18%	18%	9%	18%	18%	18%	18%	18%	21%	73%	94%	21%	100%	10%	38%	7%	35%	17
Bungoma	8%	8%	8%	8%	8%	7%	8%	8%	11%	56%	100%	7%	92%	3%	4%	2%	23%	55
Busia	8%	8%	8%	8%	8%	7%	7%	8%	17%	71%	98%	8%	98%	0%	9%	5%	26%	50
Elgeyo-marakwet	4%	4%	4%	4%	5%	5%	1%	4%	3%	34%	92%	6%	96%	2%	3%	1%	19%	50
Embu	5%	5%	5%	5%	3%	4%	4%	7%	7%	29%	94%	5%	96%	4%	6%	2%	20%	56
Garissa	7%	7%	6%	7%	7%	4%	5%	7%	10%	70%	96%	17%	89%	15%	9%	1%	25%	31
Homa bay	8%	8%	6%	8%	5%	8%	3%	6%	9%	69%	91%	8%	91%	2%	0%	0%	21%	65
Isiolo	7%	7%	7%	7%	7%	7%	2%	7%	10%	80%	100%	14%	100%	0%	10%	2%	26%	31
Kajiado	5%	5%	5%	5%	5%	4%	3%	5%	18%	56%	100%	11%	89%	4%	12%	2%	23%	56
Kakamega	5%	5%	5%	5%	5%	5%	5%	5%	8%	67%	96%	12%	90%	3%	9%	0%	23%	62
Kericho	13%	12%	13%	13%	13%	12%	7%	13%	22%	61%	97%	14%	100%	13%	6%	0%	27%	36
Kiambu	11%	11%	11%	11%	11%	7%	8%	11%	23%	40%	99%	9%	99%	5%	20%	2%	27%	81
Kilifi	6%	6%	6%	6%	6%	6%	6%	6%	11%	79%	98%	7%	93%	4%	21%	2%	26%	59
Kirinyaga	7%	7%	3%	7%	10%	7%	9%	10%	18%	43%	96%	10%	94%	3%	20%	0%	24%	49
Kisii	12%	12%	10%	10%	10%	11%	6%	10%	12%	72%	87%	12%	92%	9%	8%	2%	26%	69
Kisumu	15%	13%	13%	13%	15%	12%	11%	15%	13%	64%	97%	13%	77%	4%	15%	1%	27%	50
Kitui	5%	5%	5%	5%	5%	4%	3%	5%	9%	68%	94%	6%	91%	7%	4%	3%	22%	61
Kwale	4%	4%	4%	3%	3%	4%	1%	4%	6%	75%	100%	4%	100%	3%	6%	0%	23%	51
Laikipia	13%	13%	13%	13%	10%	13%	3%	13%	26%	68%	92%	11%	85%	2%	5%	3%	25%	42
Lamu	6%	6%	6%	6%	4%	6%	2%	6%	9%	64%	100%	7%	93%	2%	9%	0%	22%	31
Machakos	6%	5%	3%	6%	3%	0%	1%	5%	14%	60%	100%	17%	87%	3%	6%	0%	22%	60
Makueni	4%	4%	4%	4%	4%	4%	1%	4%	3%	82%	100%	8%	97%	5%	13%	0%	26%	68
Mandera	5%	5%	4%	5%	5%	4%	1%	5%	10%	81%	98%	16%	94%	17%	7%	1%	23%	52

County	Needle holder	Scalpel handle with blade	Retractor	Surgical scissors	Nasogastric tubes	Tourniquet	Adult and paediatric resuscitators	Suction apparatus	Oxygen	Skin disinfectant	Sutures	Ketamine (injectable)	Lidocaine (1% or 2% injectable)	Splints for extremities	Material for cast	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Marsabit	7%	7%	7%	7%	7%	7%	1%	6%	4%	100%	100%	9%	100%	2%	12%	1%	28%	37
Meru	9%	9%	9%	9%	9%	7%	1%	9%	11%	42%	91%	9%	93%	12%	14%	1%	23%	58
Migori	5%	5%	4%	5%	5%	2%	1%	4%	3%	52%	98%	15%	96%	2%	6%	0%	22%	64
Mombasa	15%	15%	11%	15%	15%	17%	9%	17%	22%	42%	96%	17%	92%	12%	13%	2%	28%	56
Murang'a	5%	5%	5%	5%	5%	4%	3%	5%	6%	43%	98%	9%	98%	4%	4%	2%	20%	67
Nairobi	8%	8%	8%	8%	14%	12%	10%	16%	20%	53%	97%	30%	94%	2%	23%	0%	27%	79
Nakuru	12%	12%	11%	12%	9%	12%	5%	12%	19%	62%	96%	19%	96%	6%	22%	2%	28%	65
Nandi	3%	2%	3%	3%	3%	1%	2%	3%	16%	43%	93%	8%	98%	1%	10%	1%	22%	56
Narok	6%	6%	4%	6%	2%	2%	3%	3%	10%	77%	95%	11%	98%	3%	10%	0%	24%	45
Nyamira	7%	0%	1%	1%	2%	0%	0%	5%	5%	74%	96%	3%	95%	3%	3%	0%	20%	59
Nyandarua	2%	2%	2%	2%	2%	2%	2%	2%	12%	53%	98%	3%	98%	0%	3%	2%	19%	47
Nyeri	11%	11%	9%	11%	9%	7%	0%	9%	12%	43%	91%	12%	89%	7%	18%	0%	24%	58
Samburu	8%	8%	4%	8%	4%	8%	4%	8%	37%	82%	96%	6%	89%	4%	24%	2%	29%	29
Siaya	4%	5%	4%	4%	4%	3%	4%	4%	10%	52%	93%	3%	89%	3%	8%	1%	20%	65
Taita taveta	6%	6%	6%	6%	6%	6%	3%	6%	9%	78%	100%	9%	100%	9%	6%	2%	24%	48
Tana river	7%	7%	3%	3%	3%	2%	2%	3%	2%	75%	94%	2%	100%	5%	12%	0%	22%	33
Tharaka-nithi	8%	8%	8%	8%	5%	8%	4%	11%	11%	60%	91%	8%	97%	3%	8%	4%	25%	37
Trans nzoia	7%	7%	7%	7%	7%	7%	2%	5%	18%	48%	84%	10%	92%	0%	20%	0%	24%	42
Turkana	3%	3%	3%	3%	3%	2%	3%	3%	9%	74%	100%	3%	100%	1%	8%	1%	22%	37
Uasin gishu	11%	11%	11%	11%	11%	11%	11%	11%	16%	65%	93%	18%	93%	6%	14%	8%	27%	47
Vihiga	4%	4%	4%	4%	4%	3%	4%	4%	5%	77%	100%	8%	96%	0%	9%	0%	24%	38
Wajir	3%	6%	5%	5%	1%	1%	1%	3%	1%	46%	97%	8%	84%	12%	8%	0%	18%	36
West pokot	1%	1%	1%	1%	1%	1%	1%	1%	3%	68%	98%	3%	98%	0%	4%	1%	19%	53
Facility type																		
Secondary & tertiary hospitals	85%	85%	90%	90%	95%	85%	85%	95%	90%	95%	100%	95%	100%	55%	95%	65%	91%	20
Public primary hospitals	41%	39%	37%	40%	39%	30%	20%	41%	45%	91%	98%	52%	99%	20%	46%	6%	51%	293

County	Needle holder	Scalpel handle with blade	Retractor	Surgical scissors	Nasogastric tubes	Tourniquet	Adult and paediatric resuscitators	Suction apparatus	Oxygen	Skin disinfectant	Sutures	Ketamine (injectable)	Lidocaine (1% or 2% injectable)	Splints for extremities	Material for cast	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Private/ngo/fbo primary hospitals	72%	70%	68%	70%	73%	63%	62%	83%	82%	91%	99%	85%	98%	39%	67%	20%	75%	81
Health centres	11%	11%	10%	11%	10%	10%	4%	11%	20%	81%	99%	16%	96%	7%	13%	1%	28%	415
Dispensaries	1%	1%	0%	1%	0%	0%	0%	0%	3%	61%	95%	1%	95%	1%	4%	0%	19%	967
Medical clinics	2%	2%	1%	2%	2%	2%	0%	2%	9%	35%	95%	7%	90%	1%	11%	0%	19%	617
Managing authority																		
Government	4%	4%	3%	4%	4%	3%	2%	4%	7%	71%	96%	5%	95%	2%	8%	1%	22%	1353
Ngo / fbo	14%	13%	12%	13%	12%	10%	9%	15%	18%	54%	96%	15%	95%	8%	14%	2%	27%	263
Private	9%	9%	9%	9%	10%	9%	6%	11%	18%	45%	96%	17%	92%	6%	17%	2%	25%	777
Urban/rural																		
Urban	15%	15%	14%	15%	15%	14%	10%	17%	24%	53%	96%	24%	92%	8%	21%	3%	30%	719
Rural	4%	3%	3%	3%	3%	3%	2%	3%	7%	61%	96%	5%	95%	3%	8%	0%	21%	1674
Total	**7%**	**7%**	**7%**	**7%**	**7%**	**6%**	**4%**	**8%**	**13%**	**58%**	**96%**	**11%**	**94%**	**5%**	**12%**	**1%**	**24%**	**2393**

Annex Table 87: Percentage of hospitals that offer comprehensive surgery services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Offers comprehensive surgical services	Tracheostomy	Tubal ligation	Vasectomy	Dilatation and Curettage	Obstetric fistula repair	Episiotomy	Appendectomy	Hernia repair (strangulated)	Hernia repair (elective)	Cystostomy	Urethral stricture dilatation	Laparotomy	Congenital hernia repair	Cleft palate	Skin grafting and Contracture release	Open reduction and fixation for fracture	Amputation	Cataract surgery	Club foot repair	Drainage of osteomyelitis-septic arthritis	Total number of facilities
Baringo	40%	0%	40%	40%	40%	20%	40%	40%	40%	40%	20%	20%	20%	40%	40%	20%	20%	20%	0%	40%	0%	5
Bomet	67%	67%	67%	50%	67%	0%	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	17%	67%	67%	4
Bungoma	64%	7%	50%	43%	50%	14%	64%	43%	57%	57%	43%	21%	64%	64%	64%	21%	29%	43%	14%	64%	36%	12
Busia	61%	25%	29%	14%	46%	0%	61%	39%	46%	46%	21%	39%	39%	61%	61%	14%	7%	46%	14%	61%	46%	9
Elgeyo-marakwet	50%	17%	33%	17%	50%	0%	50%	17%	17%	17%	33%	17%	17%	50%	50%	33%	17%	17%	33%	50%	33%	6
Embu	80%	20%	80%	60%	80%	20%	80%	20%	60%	60%	60%	40%	40%	80%	80%	20%	20%	20%	20%	80%	40%	5
Garissa	29%	10%	10%	10%	19%	10%	19%	10%	10%	10%	10%	10%	10%	29%	29%	10%	10%	10%	10%	29%	10%	8
Homa bay	63%	24%	58%	42%	58%	24%	58%	58%	53%	53%	58%	47%	58%	63%	63%	42%	29%	47%	11%	63%	29%	14
Isiolo	67%	33%	33%	33%	67%	33%	67%	33%	33%	33%	67%	33%	33%	67%	67%	33%	33%	33%	33%	67%	33%	3
Kajiado	58%	35%	58%	42%	58%	42%	58%	42%	50%	50%	58%	50%	58%	58%	58%	42%	50%	42%	8%	58%	42%	6
Kakamega	25%	17%	25%	17%	25%	17%	25%	17%	25%	25%	17%	17%	17%	25%	25%	17%	25%	25%	8%	25%	17%	12
Kericho	82%	76%	82%	51%	82%	18%	82%	76%	82%	82%	57%	76%	76%	82%	82%	76%	57%	76%	12%	82%	76%	10
Kiambu	94%	68%	54%	52%	92%	88%	94%	88%	88%	88%	85%	85%	92%	94%	94%	66%	88%	88%	46%	94%	88%	14
Kilifi	83%	67%	83%	29%	83%	8%	83%	83%	83%	83%	83%	83%	83%	83%	83%	75%	83%	83%	67%	83%	83%	7
Kirinyaga	100%	70%	100%	10%	80%	60%	100%	80%	80%	80%	70%	70%	80%	100%	100%	80%	80%	80%	70%	100%	90%	5
Kisii	76%	24%	44%	12%	59%	29%	76%	41%	44%	44%	24%	29%	44%	76%	76%	38%	29%	38%	12%	76%	32%	24
Kisumu	53%	37%	29%	19%	40%	51%	53%	53%	51%	51%	51%	53%	48%	53%	53%	48%	51%	53%	24%	53%	48%	22
Kitui	47%	42%	47%	11%	47%	5%	47%	42%	42%	42%	47%	37%	42%	47%	47%	42%	42%	42%	11%	47%	42%	14
Kwale	83%	17%	83%	50%	83%	17%	83%	83%	83%	83%	50%	33%	83%	83%	83%	83%	67%	33%	0%	83%	67%	5
Laikipia	66%	34%	50%	18%	50%	25%	66%	34%	34%	34%	34%	34%	34%	66%	66%	34%	34%	34%	9%	66%	34%	8
Lamu	100%	0%	67%	0%	100%	0%	100%	100%	100%	67%	33%	33%	100%	100%	100%	33%	33%	33%	0%	100%	33%	3
Machakos	13%	6%	13%	6%	13%	6%	13%	13%	13%	13%	6%	6%	13%	13%	13%	13%	13%	13%	6%	13%	13%	8
Makueni	64%	45%	55%	55%	36%	18%	55%	45%	27%	27%	55%	36%	45%	64%	64%	27%	18%	45%	9%	64%	18%	11
Mandera	60%	0%	30%	20%	60%	0%	60%	40%	20%	50%	30%	10%	30%	60%	60%	20%	20%	30%	40%	60%	40%	8
Marsabit	86%	0%	29%	14%	86%	14%	86%	71%	57%	57%	29%	29%	29%	86%	86%	14%	0%	57%	29%	86%	71%	5
Meru	51%	28%	7%	0%	35%	28%	48%	32%	28%	28%	28%	32%	35%	51%	51%	28%	16%	32%	0%	51%	32%	19
Migori	31%	0%	20%	16%	20%	0%	31%	20%	31%	31%	4%	20%	16%	31%	31%	4%	4%	4%	9%	31%	16%	15
Mombasa	80%	27%	31%	24%	60%	27%	60%	60%	60%	60%	56%	60%	60%	80%	80%	44%	44%	60%	24%	80%	44%	10
Murang'a	84%	32%	79%	42%	74%	37%	84%	74%	74%	74%	53%	68%	42%	84%	84%	42%	74%	42%	5%	84%	74%	9
Nairobi	95%	75%	59%	57%	76%	73%	77%	77%	77%	76%	76%	59%	76%	95%	95%	76%	75%	59%	42%	95%	75%	18
Nakuru	84%	13%	84%	42%	48%	72%	84%	78%	78%	78%	45%	48%	48%	84%	84%	45%	75%	78%	36%	84%	52%	13
Nandi	67%	44%	67%	22%	56%	28%	67%	56%	56%	56%	39%	44%	56%	67%	67%	44%	44%	56%	11%	67%	56%	8
Narok	80%	40%	50%	10%	80%	10%	80%	40%	70%	70%	40%	40%	40%	80%	80%	40%	40%	70%	50%	80%	70%	6

County	Offers comprehensive surgical services	Tracheostomy	Tubal ligation	Vasectomy	Dilatation and Curettage	Obstetric fistula repair	Episiotomy	Appendectomy	Hernia repair (strangulated)	Hernia repair (elective)	Cystostomy	Urethral stricture dilatation	Laparotomy	Congenital hernia repair	Cleft palate	Skin grafting and Contracture release	Open reduction and fixation for fracture	Amputation	Cataract surgery	Club foot repair	Drainage of osteomyelitis-septic arthritis	Total number of facilities
Nyamira	56%	11%	11%	0%	11%	11%	56%	11%	11%	11%	11%	11%	11%	56%	56%	11%	11%	11%	11%	56%	11%	9
Nyandarua	75%	50%	25%	0%	75%	50%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	50%	75%	75%	3
Nyeri	92%	83%	33%	0%	92%	75%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	83%	92%	8%	92%	92%	6
Samburu	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	33%	67%	67%	33%	67%	67%	3
Siaya	57%	12%	45%	18%	51%	12%	51%	45%	45%	45%	45%	37%	45%	57%	57%	45%	45%	45%	25%	57%	31%	13
Taita taveta	71%	14%	71%	14%	57%	0%	71%	57%	57%	57%	14%	0%	57%	71%	71%	29%	57%	29%	0%	71%	29%	6
Tana river	67%	0%	33%	0%	67%	33%	67%	33%	33%	33%	33%	33%	33%	67%	67%	0%	33%	33%	33%	67%	0%	3
Tharaka-nithi	80%	40%	80%	40%	80%	70%	80%	50%	80%	80%	50%	40%	80%	80%	80%	70%	70%	80%	10%	80%	80%	6
Trans nzoia	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7
Turkana	80%	40%	60%	40%	60%	20%	80%	80%	80%	80%	80%	80%	80%	80%	80%	20%	60%	60%	80%	80%	80%	4
Uasin gishu	63%	56%	56%	56%	56%	56%	63%	56%	56%	56%	56%	56%	56%	63%	63%	63%	63%	63%	56%	63%	63%	7
Vihiga	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	0%	17%	0%	4
Wajir	20%	10%	10%	0%	10%	10%	10%	10%	10%	10%	10%	10%	10%	20%	20%	10%	0%	10%	10%	20%	10%	10
West pokot	25%	0%	25%	25%	25%	0%	25%	25%	25%	25%	0%	25%	25%	25%	25%	0%	25%	25%	25%	25%	25%	4
Facility type																						
Secondary & tertiary hospitals	95%	85%	85%	70%	90%	80%	90%	95%	95%	95%	85%	90%	95%	95%	95%	90%	90%	95%	85%	95%	95%	411
Public primary hospitals	46%	14%	36%	19%	36%	13%	44%	28%	28%	28%	27%	23%	29%	46%	46%	20%	21%	25%	14%	46%	25%	307
Private/ngo/fbo primary hospitals	85%	53%	55%	36%	72%	54%	80%	74%	76%	77%	63%	63%	70%	85%	85%	62%	67%	68%	29%	85%	67%	84
Managing authority																						
Government	49%	18%	39%	21%	39%	16%	46%	31%	31%	31%	29%	26%	32%	49%	49%	24%	24%	28%	17%	49%	29%	323
Ngo / fbo	98%	59%	37%	10%	82%	67%	98%	91%	93%	93%	67%	66%	78%	98%	98%	64%	84%	88%	32%	98%	81%	30
Private	78%	50%	64%	51%	68%	48%	71%	66%	68%	69%	62%	62%	66%	78%	78%	62%	59%	58%	28%	78%	61%	58
Urban/rural																						
Urban	81%	47%	60%	40%	68%	47%	76%	68%	69%	69%	62%	57%	66%	81%	81%	57%	61%	61%	35%	81%	61%	193
Rural	51%	23%	31%	16%	43%	23%	49%	36%	38%	38%	30%	32%	35%	51%	51%	29%	29%	35%	9%	51%	35%	218
Total	**68%**	**37%**	**47%**	**29%**	**57%**	**36%**	**64%**	**54%**	**55%**	**56%**	**48%**	**46%**	**52%**	**68%**	**68%**	**44%**	**47%**	**50%**	**24%**	**68%**	**50%**	**411**

Annex Table 88: Percentage of hospitals that have tracer items for comprehensive surgery services among hospitals that provide this service by county, facility type, managing authority, and urban vs. rural location (N=227), Kenya 2018

County	Staff trained in surgery	Staff trained in anaesthesia	Oxygen	Anaesthesia equipment	Spinal needle	Suction apparatus	Thiopental (powder)	Suxamethonium bromide (powder)	Atropine (injectable)	Diazepam (injectable)	Halothane (inhalation)	Bupivacaine (injectable)	Lidocaine 5% (heavy spinal solution)	Epinephrine (injectable)	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Baringo	50%	50%	100%	50%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	0%	82%	2
Bomet	0%	25%	100%	25%	100%	100%	100%	100%	100%	75%	100%	100%	75%	100%	0%	79%	2
Bungoma	89%	89%	78%	89%	100%	100%	78%	78%	100%	100%	78%	78%	44%	100%	11%	86%	7
Busia	41%	41%	65%	24%	76%	76%	0%	0%	100%	88%	0%	0%	76%	100%	0%	49%	6
Elgeyo-marakwet	33%	0%	100%	33%	67%	67%	33%	67%	100%	100%	67%	67%	0%	100%	0%	60%	3
Embu	25%	25%	100%	25%	75%	100%	75%	50%	100%	75%	100%	100%	25%	100%	0%	70%	4
Garissa	33%	33%	67%	0%	100%	100%	33%	33%	100%	100%	67%	33%	33%	100%	0%	60%	3
Homa bay	75%	46%	92%	29%	92%	92%	75%	38%	71%	83%	63%	17%	8%	71%	0%	61%	7
Isiolo	50%	50%	50%	0%	100%	100%	50%	50%	50%	50%	50%	50%	50%	50%	0%	54%	2
Kajiado	87%	87%	87%	61%	87%	100%	100%	100%	100%	74%	100%	100%	74%	100%	61%	90%	4
Kakamega	100%	100%	33%	100%	100%	100%	100%	100%	100%	100%	100%	67%	0%	100%	0%	86%	3
Kericho	93%	93%	100%	93%	100%	100%	14%	86%	100%	76%	52%	76%	14%	100%	0%	78%	7
Kiambu	51%	91%	98%	51%	100%	100%	53%	100%	100%	98%	79%	79%	2%	79%	0%	77%	11
Kilifi	45%	45%	55%	90%	100%	100%	20%	55%	100%	80%	55%	45%	90%	100%	0%	70%	5
Kirinyaga	0%	0%	80%	70%	90%	90%	70%	80%	100%	100%	70%	90%	60%	100%	0%	71%	5
Kisii	38%	27%	73%	38%	65%	65%	42%	38%	92%	77%	54%	46%	27%	100%	12%	56%	16
Kisumu	70%	30%	60%	35%	80%	100%	50%	75%	100%	100%	95%	70%	65%	100%	0%	74%	8
Kitui	0%	67%	78%	78%	89%	89%	78%	89%	100%	89%	89%	78%	11%	100%	0%	74%	4
Kwale	40%	40%	100%	20%	100%	100%	40%	40%	100%	100%	40%	40%	0%	100%	0%	61%	4
Laikipia	14%	28%	100%	28%	100%	100%	52%	76%	76%	76%	76%	76%	14%	76%	14%	64%	5
Lamu	0%	0%	100%	0%	100%	100%	67%	33%	67%	33%	33%	67%	67%	100%	0%	55%	3
Machakos	50%	50%	100%	50%	100%	100%	50%	100%	100%	100%	100%	100%	50%	100%	50%	82%	2
Makueni	29%	29%	43%	14%	86%	100%	71%	71%	100%	100%	100%	100%	14%	100%	0%	68%	7
Mandera	17%	17%	100%	17%	100%	100%	100%	100%	83%	83%	100%	100%	17%	100%	0%	74%	5

County	Staff trained in surgery	Staff trained in anaesthesia	Oxygen	Anaesthesia equipment	Spinal needle	Suction apparatus	Thiopental (powder)	Suxamethonium bromide (powder)	Atropine (injectable)	Diazepam (injectable)	Halothane (inhalation)	Bupivacaine (injectable)	Lidocaine 5% (heavy spinal solution)	Epinephrine (injectable)	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Marsabit	50%	67%	17%	50%	100%	83%	50%	50%	100%	100%	50%	50%	0%	100%	0%	62%	4
Meru	69%	69%	93%	44%	75%	100%	56%	62%	100%	100%	69%	75%	31%	100%	0%	75%	7
Migori	36%	14%	72%	14%	100%	100%	14%	28%	100%	72%	28%	28%	0%	100%	0%	50%	4
Mombasa	59%	39%	95%	59%	100%	100%	30%	80%	80%	95%	100%	80%	70%	100%	5%	78%	8
Murang'a	44%	50%	50%	44%	94%	94%	94%	94%	100%	94%	94%	94%	6%	100%	0%	75%	6
Nairobi	44%	44%	82%	24%	63%	99%	8%	65%	82%	99%	65%	82%	22%	100%	4%	63%	14
Nakuru	50%	50%	100%	93%	96%	96%	96%	96%	100%	96%	96%	57%	57%	100%	50%	85%	8
Nandi	25%	17%	100%	75%	75%	75%	100%	83%	100%	100%	75%	58%	25%	100%	0%	72%	5
Narok	63%	25%	88%	25%	63%	50%	50%	63%	100%	100%	63%	100%	50%	88%	0%	66%	4
Nyamira	40%	20%	40%	0%	0%	80%	20%	20%	80%	40%	20%	20%	0%	80%	0%	33%	5
Nyandarua	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	2
Nyeri	0%	9%	100%	0%	91%	100%	9%	91%	100%	91%	100%	91%	0%	91%	0%	62%	5
Samburu	100%	100%	50%	100%	100%	100%	100%	50%	100%	50%	100%	100%	50%	100%	50%	86%	2
Siaya	34%	34%	79%	79%	79%	90%	34%	45%	100%	100%	45%	55%	0%	100%	0%	63%	7
Taita taveta	0%	20%	100%	40%	80%	80%	20%	20%	100%	60%	60%	20%	40%	100%	0%	53%	4
Tana river	50%	50%	50%	100%	100%	100%	50%	50%	100%	100%	50%	50%	0%	100%	0%	68%	2
Tharaka-nithi	13%	50%	100%	50%	100%	100%	13%	100%	100%	88%	100%	63%	0%	100%	0%	70%	4
Trans nzoia	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0
Turkana	75%	75%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	25%	100%	25%	91%	3
Uasin gishu	10%	10%	100%	60%	100%	100%	100%	90%	100%	100%	100%	90%	90%	100%	10%	82%	4
Vihiga	0%	0%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	71%	1
Wajir	50%	50%	50%	0%	50%	100%	50%	50%	50%	50%	0%	50%	0%	100%	0%	46%	2
West pokot	100%	100%	100%	0%	100%	100%	100%	0%	100%	100%	100%	100%	0%	100%	0%	79%	1
Facility type																	
Secondary & tertiary hospitals	89%	89%	95%	79%	100%	100%	79%	95%	95%	100%	100%	95%	42%	100%	37%	90%	19

County	Staff trained in surgery	Staff trained in anaesthesia	Oxygen	Anaesthesia equipment	Spinal needle	Suction apparatus	Thiopental (powder)	Suxamethonium bromide (powder)	Atropine (injectable)	Diazepam (injectable)	Halothane (inhalation)	Bupivacaine (injectable)	Lidocaine 5% (heavy spinal solution)	Epinephrine (injectable)	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Public primary hospitals	36%	37%	70%	40%	80%	86%	55%	63%	96%	76%	73%	69%	23%	97%	4%	64%	142
Private/ngo/ fbo primary hospitals	48%	49%	88%	47%	86%	98%	44%	74%	92%	98%	73%	70%	33%	95%	7%	71%	66
Managing authority																	
Government	41%	42%	73%	43%	82%	87%	57%	66%	96%	78%	75%	71%	24%	97%	6%	67%	157
Ngo / fbo	29%	55%	84%	44%	97%	100%	62%	81%	100%	100%	87%	70%	25%	100%	3%	74%	29
Private	61%	47%	91%	51%	80%	96%	32%	70%	88%	96%	64%	71%	39%	92%	11%	70%	41
Urban/rural																	
Urban	44%	51%	88%	53%	87%	97%	47%	74%	93%	93%	76%	75%	34%	96%	9%	72%	140
Rural	49%	40%	72%	33%	82%	88%	52%	67%	95%	88%	70%	62%	24%	96%	4%	66%	87
Total	**46%**	**47%**	**83%**	**47%**	**85%**	**94%**	**48%**	**71%**	**94%**	**91%**	**74%**	**71%**	**30%**	**96%**	**7%**	**70%**	**227**

Annex Table 89: Percentage of facilities that offer blood transfusion services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Offers blood transfusion	Total number of facilities
Baringo	3%	63
Bomet	5%	56
Bungoma	9%	67
Busia	9%	56
Elgeyo-marakwet	3%	53
Embu	5%	63
Garissa	9%	59
Homa bay	5%	74
Isiolo	5%	36
Kajiado	7%	67
Kakamega	6%	73
Kericho	7%	63
Kiambu	8%	86
Kilifi	4%	69
Kirinyaga	8%	63
Kisii	11%	75
Kisumu	17%	73
Kitui	8%	75
Kwale	5%	54
Laikipia	5%	58
Lamu	8%	34
Machakos	6%	71
Makueni	5%	73
Mandera	25%	54
Marsabit	6%	48
Meru	8%	83
Migori	7%	69
Mombasa	13%	70
Murang'a	5%	67
Nairobi	12%	89
Nakuru	9%	87
Nandi	3%	62
Narok	5%	59
Nyamira	5%	61
Nyandarua	2%	57
Nyeri	6%	72
Samburu	5%	41
Siaya	8%	69
Taita taveta	9%	49
Tana river	4%	38

County	Offers blood transfusion	Total number of facilities
Tharaka-nithi	3%	55
Trans nzoia	6%	58
Turkana	2%	61
Uasin gishu	10%	62
Vihiga	3%	45
Wajir	14%	54
West pokot	1%	56
Facility type		
Secondary & tertiary hospitals	90%	20
Public primary hospitals	52%	307
Private/ngo/fbo primary hospitals	78%	84
Health centres	13%	465
Dispensaries	1%	1261
Medical clinics	2%	790
Managing authority		
Government	4%	1658
Ngo / fbo	13%	323
Private	10%	946
Urban/rural		
Urban	15%	873
Rural	4%	2054
Total	**7%**	**2927**

Annex Table 90: Percentage of facilities that have tracer items for blood transfusion services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=323), Kenya 2018

County	Blood storage refrigerator	Blood typing	Cross match typing	Blood supply sufficiency	Blood supply safety	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Baringo	44%	85%	29%	0%	100%	0%	52%	4
Bomet	54%	68%	68%	59%	68%	14%	63%	4
Bungoma	46%	69%	20%	30%	84%	15%	50%	12
Busia	26%	100%	65%	0%	100%	0%	58%	7
Elgeyo-marakwet	74%	100%	100%	74%	100%	74%	90%	2
Embu	100%	100%	39%	78%	100%	39%	83%	6
Garissa	14%	72%	72%	86%	72%	7%	63%	8
Homa bay	92%	92%	31%	35%	100%	0%	70%	7
Isiolo	39%	39%	39%	0%	39%	0%	31%	2
Kajiado	53%	73%	73%	53%	100%	21%	70%	5
Kakamega	36%	56%	18%	44%	100%	0%	51%	10
Kericho	55%	62%	31%	100%	100%	24%	70%	7
Kiambu	78%	85%	20%	53%	100%	13%	67%	12
Kilifi	36%	28%	28%	72%	64%	0%	45%	4
Kirinyaga	41%	100%	78%	28%	100%	6%	69%	6
Kisii	75%	95%	55%	75%	100%	20%	80%	12
Kisumu	55%	88%	40%	29%	91%	12%	60%	18
Kitui	39%	44%	4%	72%	63%	0%	44%	7
Kwale	63%	25%	25%	51%	100%	13%	53%	5
Laikipia	100%	76%	38%	24%	100%	0%	68%	5
Lamu	79%	58%	0%	21%	100%	0%	52%	4
Machakos	10%	76%	46%	40%	100%	5%	54%	8
Makueni	64%	93%	26%	87%	100%	7%	74%	8
Mandera	0%	76%	18%	66%	70%	0%	46%	16
Marsabit	17%	83%	17%	33%	83%	0%	47%	4
Meru	39%	54%	32%	93%	65%	28%	57%	10
Migori	47%	64%	7%	24%	93%	0%	47%	7
Mombasa	43%	90%	55%	71%	100%	12%	72%	12
Murang'a	50%	100%	43%	93%	100%	0%	77%	4
Nairobi	58%	100%	41%	12%	100%	2%	62%	16
Nakuru	69%	88%	57%	45%	90%	26%	70%	12
Nandi	17%	42%	17%	42%	100%	0%	43%	5
Narok	25%	63%	63%	50%	100%	13%	60%	4
Nyamira	48%	61%	13%	52%	100%	0%	55%	4
Nyandarua	100%	100%	50%	0%	100%	0%	70%	3
Nyeri	18%	54%	36%	91%	100%	5%	60%	8
Samburu	26%	52%	52%	48%	52%	0%	46%	3

County	Blood storage refrigerator	Blood typing	Cross match typing	Blood supply sufficiency	Blood supply safety	Percent of facilities with all items	Mean availability of tracer items	Total number of facilities
Siaya	68%	82%	12%	32%	76%	0%	54%	11
Taita taveta	11%	55%	11%	100%	100%	11%	55%	6
Tana river	67%	67%	33%	100%	67%	33%	67%	3
Tharaka-nithi	80%	80%	60%	60%	100%	60%	76%	3
Trans nzoia	27%	100%	37%	0%	100%	0%	53%	5
Turkana	75%	100%	100%	25%	100%	25%	80%	3
Uasin gishu	100%	81%	24%	44%	100%	5%	70%	7
Vihiga	32%	100%	0%	0%	100%	0%	46%	2
Wajir	20%	24%	6%	68%	38%	0%	31%	10
West pokot	50%	0%	0%	0%	100%	0%	30%	2
Facility type								
Secondary & tertiary hospitals	83%	89%	89%	61%	100%	39%	84%	18
Public primary hospitals	65%	79%	45%	38%	95%	8%	65%	159
Private/ngo/fbo primary hospitals	57%	92%	50%	47%	100%	12%	69%	65
Health centres	41%	72%	18%	52%	85%	7%	54%	58
Dispensaries	0%	6%	0%	79%	37%	0%	24%	9
Medical clinics	29%	60%	27%	73%	81%	13%	54%	14
Managing authority								
Government	55%	68%	40%	48%	81%	8%	58%	187
Ngo / fbo	72%	84%	47%	50%	95%	20%	70%	39
Private	38%	79%	30%	52%	93%	7%	59%	97
Urban/rural								
Urban	53%	82%	37%	47%	95%	10%	63%	195
Rural	44%	68%	36%	58%	80%	10%	57%	128
Total	**50%**	**77%**	**36%**	**50%**	**90%**	**10%**	**61%**	**323**

Annex Table 91: Percentage of facilities that offer general emergency care services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Facility offers emergency care services	Facility has a special emergency unit	Dedicated emergency unit that operates 24-hour	Core non-rotating providers assigned to ER	Medical and nursing staff are assigned to remain onsite in emergency unit 24-hours	24-hour surgical services that include surgeon and anesthetist onsite 24-hours	24-hour laboratory services available	24-hour pharmacy services available	24-hour radiological services available	Facility reports using a formal triage system with a standardized instrument	Total number of facilities
Baringo	78%	2%	2%	2%	2%	0%	5%	12%	3%	2%	63
Bomet	21%	3%	1%	1%	7%	0%	1%	10%	2%	1%	56
Bungoma	92%	2%	2%	2%	10%	1%	9%	16%	5%	10%	67
Busia	84%	6%	6%	3%	14%	0%	15%	26%	4%	9%	56
Elgeyo-marakwet	94%	0%	0%	1%	2%	0%	15%	37%	3%	0%	53
Embu	92%	1%	1%	2%	3%	0%	9%	13%	3%	1%	63
Garissa	73%	13%	4%	6%	15%	0%	17%	31%	8%	12%	59
Homa bay	53%	2%	3%	3%	5%	0%	11%	11%	1%	3%	74
Isiolo	98%	2%	0%	0%	5%	0%	17%	42%	2%	0%	36
Kajiado	71%	5%	3%	2%	4%	2%	6%	8%	6%	3%	67
Kakamega	87%	4%	2%	1%	9%	0%	8%	23%	2%	3%	73
Kericho	86%	2%	4%	1%	4%	2%	9%	17%	8%	6%	63
Kiambu	72%	2%	6%	13%	6%	0%	18%	26%	6%	7%	86
Kilifi	75%	4%	4%	9%	6%	0%	19%	28%	4%	7%	69
Kirinyaga	45%	0%	0%	2%	7%	0%	10%	24%	7%	0%	63
Kisii	74%	5%	8%	7%	10%	2%	13%	21%	4%	9%	75
Kisumu	56%	3%	7%	6%	9%	2%	12%	15%	5%	7%	73
Kitui	57%	0%	0%	0%	1%	0%	4%	6%	3%	0%	75
Kwale	96%	1%	5%	0%	1%	0%	5%	14%	3%	5%	54
Laikipia	18%	8%	1%	3%	6%	0%	2%	6%	1%	5%	58
Lamu	72%	0%	0%	2%	0%	0%	11%	11%	8%	0%	34
Machakos	69%	10%	1%	3%	8%	0%	12%	20%	2%	1%	71
Makueni	94%	0%	2%	0%	1%	0%	7%	12%	1%	2%	73
Mandera	84%	2%	2%	2%	9%	0%	32%	65%	11%	2%	54
Marsabit	32%	0%	0%	3%	1%	0%	4%	7%	7%	0%	48
Meru	74%	3%	1%	6%	2%	1%	6%	13%	4%	1%	83
Migori	88%	5%	2%	5%	1%	0%	11%	28%	2%	4%	69
Mombasa	81%	4%	4%	7%	12%	2%	19%	31%	4%	5%	70
Murang'a	100%	6%	2%	5%	8%	0%	7%	13%	5%	2%	67
Nairobi	96%	9%	12%	16%	18%	2%	37%	40%	16%	15%	89
Nakuru	85%	7%	6%	5%	10%	0%	10%	22%	3%	11%	87
Nandi	62%	1%	0%	0%	1%	0%	11%	27%	2%	0%	62

County	Facility offers emergency care services	Facility has a special emergency unit	Dedicated emergency unit that operates 24-hour	Core non-rotating providers assigned to ER	Medical and nursing staff are assigned to remain onsite in emergency unit 24-hours	24-hour surgical services that include surgeon and anesthetist onsite 24-hours	24-hour laboratory services available	24-hour pharmacy services available	24-hour radiological services available	Facility reports using a formal triage system with a standardized instrument	Total number of facilities
Narok	71%	2%	2%	1%	2%	0%	12%	32%	10%	2%	59
Nyamira	98%	2%	4%	1%	2%	1%	16%	34%	1%	4%	61
Nyandarua	76%	3%	0%	0%	0%	0%	2%	7%	2%	0%	57
Nyeri	52%	0%	2%	3%	2%	0%	5%	13%	4%	2%	72
Samburu	62%	0%	3%	5%	4%	3%	7%	19%	4%	5%	41
Siaya	86%	7%	8%	2%	6%	1%	12%	32%	4%	8%	69
Taita taveta	96%	5%	4%	0%	4%	0%	14%	29%	3%	7%	49
Tana river	89%	0%	0%	0%	12%	0%	4%	23%	6%	0%	38
Tharaka-nithi	89%	2%	3%	2%	4%	1%	8%	12%	5%	3%	55
Trans nzoia	26%	4%	2%	1%	3%	0%	1%	6%	0%	2%	58
Turkana	88%	1%	3%	3%	7%	1%	7%	33%	1%	3%	61
Uasin gishu	85%	2%	6%	6%	6%	1%	14%	14%	6%	8%	62
Vihiga	82%	3%	3%	5%	2%	0%	16%	19%	3%	3%	45
Wajir	67%	0%	0%	0%	15%	0%	6%	11%	2%	0%	54
West pokot	89%	0%	6%	3%	8%	0%	6%	14%	2%	10%	56
Facility type											
Secondary & tertiary hospitals	100%	70%	40%	75%	70%	30%	90%	90%	90%	40%	20
Public primary hospitals	94%	10%	11%	11%	22%	2%	51%	53%	23%	13%	307
Private/ngo/ fbo primary hospitals	94%	36%	26%	39%	45%	12%	78%	85%	60%	27%	84
Health centres	84%	5%	7%	5%	9%	0%	22%	44%	6%	8%	465
Dispensaries	76%	1%	1%	2%	2%	0%	2%	9%	0%	2%	1261
Medical clinics	68%	2%	2%	3%	5%	0%	10%	16%	2%	4%	790
Managing authority											
Government	78%	2%	2%	2%	4%	0%	5%	15%	2%	3%	1658
Ngo / fbo	74%	6%	5%	10%	6%	1%	15%	23%	7%	7%	323
Private	73%	5%	5%	6%	10%	1%	19%	27%	7%	6%	946
Urban/rural											
Urban	77%	7%	6%	10%	12%	1%	24%	30%	10%	7%	873
Rural	75%	2%	2%	2%	4%	0%	6%	16%	2%	4%	2054
Total	**76%**	**4%**	**4%**	**4%**	**7%**	**1%**	**12%**	**21%**	**5%**	**5%**	**2927**

Annex Table 92: Percentage of facilities that have equipment and medicine tracer items for general emergency care services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2236), Kenya 2018

County	Emergency cart/tray-easily transported with drugs	Adrenaline	Glucose 50%	Atropine	Calcium gluconate	Sodium bicarbonate	Infusion set	Volume replacement IV	D5w IV for medication infusion	Oropharyngeal airway (adult)	Oropharyngeal airway (paediatric)	Adult intubation set	Paediatric intubation set	Mean availability of items	Percent of facilities with all items	Total number of facilities
Baringo	82%	80%	45%	35%	11%	17%	63%	56%	50%	3%	3%	17%	3%	36%	1%	50
Bomet	74%	65%	66%	36%	11%	11%	66%	74%	74%	3%	3%	11%	12%	39%	3%	12
Bungoma	60%	53%	49%	51%	45%	33%	56%	52%	58%	7%	5%	33%	1%	39%	1%	62
Busia	54%	43%	24%	27%	23%	14%	46%	38%	33%	12%	10%	14%	2%	26%	2%	47
Elgeyo-marakwet	75%	60%	22%	32%	4%	5%	56%	32%	12%	0%	0%	5%	1%	23%	0%	50
Embu	59%	54%	25%	25%	6%	13%	41%	33%	35%	8%	4%	13%	0%	24%	0%	58
Garissa	67%	62%	45%	40%	25%	30%	64%	49%	57%	6%	6%	30%	4%	37%	1%	44
Homa bay	63%	58%	46%	46%	18%	29%	60%	61%	61%	43%	36%	29%	8%	43%	2%	41
Isiolo	74%	69%	46%	42%	29%	38%	74%	72%	62%	30%	13%	38%	9%	46%	4%	35
Kajiado	44%	40%	22%	33%	19%	9%	40%	40%	35%	15%	13%	9%	5%	25%	3%	48
Kakamega	67%	67%	52%	54%	31%	24%	63%	47%	64%	8%	5%	24%	3%	39%	3%	64
Kericho	65%	61%	40%	25%	18%	19%	57%	46%	42%	11%	18%	19%	3%	33%	3%	55
Kiambu	78%	67%	51%	42%	21%	19%	67%	65%	65%	11%	7%	19%	2%	40%	2%	64
Kilifi	84%	80%	66%	48%	24%	27%	77%	74%	68%	17%	12%	27%	10%	47%	1%	52
Kirinyaga	54%	50%	24%	35%	10%	7%	35%	39%	35%	0%	0%	7%	0%	23%	0%	29
Kisii	74%	63%	67%	56%	24%	31%	68%	57%	65%	12%	9%	31%	3%	43%	3%	59
Kisumu	75%	60%	57%	36%	40%	34%	66%	57%	60%	22%	22%	34%	12%	44%	12%	44
Kitui	36%	34%	20%	27%	22%	13%	33%	32%	33%	5%	5%	13%	3%	21%	0%	47
Kwale	37%	35%	23%	17%	14%	16%	37%	25%	31%	6%	3%	16%	2%	20%	0%	52
Laikipia	69%	69%	48%	48%	62%	56%	69%	58%	58%	21%	21%	56%	21%	50%	14%	12
Lamu	24%	17%	17%	9%	7%	9%	22%	22%	17%	0%	0%	9%	0%	12%	0%	25
Machakos	52%	50%	38%	32%	12%	16%	50%	52%	50%	20%	20%	16%	5%	32%	2%	51
Makueni	85%	64%	40%	47%	12%	15%	70%	37%	63%	5%	4%	15%	0%	35%	0%	69

County	Emergency cart/tray-easily transported with drugs	Adrenaline	Glucose 50%	Atropine	Calcium gluconate	Sodium bicarbonate	Infusion set	Volume replacement IV	D5w IV for medication infusion	Oropharyngeal airway (adult)	Oropharyngeal airway (paediatric)	Adult intubation set	Paediatric intubation set	Mean availability of items	Percent of facilities with all items	Total number of facilities
Mandera	22%	22%	15%	2%	10%	10%	18%	16%	13%	3%	3%	10%	0%	11%	0%	46
Marsabit	76%	66%	59%	66%	53%	53%	66%	66%	66%	12%	12%	53%	0%	50%	0%	16
Meru	67%	55%	26%	28%	7%	9%	46%	44%	42%	13%	7%	9%	3%	27%	0%	65
Migori	48%	34%	27%	26%	15%	7%	38%	30%	30%	16%	11%	7%	3%	23%	0%	62
Mombasa	83%	74%	62%	48%	29%	39%	83%	80%	80%	22%	24%	39%	17%	52%	8%	57
Murang'a	76%	67%	41%	17%	10%	11%	63%	52%	44%	7%	7%	11%	4%	32%	2%	67
Nairobi	70%	64%	53%	59%	34%	28%	62%	64%	65%	24%	18%	28%	18%	45%	14%	86
Nakuru	61%	58%	34%	50%	28%	34%	56%	55%	51%	10%	8%	34%	7%	37%	7%	76
Nandi	58%	55%	37%	38%	19%	31%	53%	56%	45%	2%	1%	31%	2%	33%	1%	40
Narok	68%	63%	28%	48%	33%	31%	45%	50%	48%	4%	3%	31%	4%	35%	3%	43
Nyamira	75%	66%	44%	46%	16%	13%	70%	64%	53%	7%	5%	13%	1%	36%	1%	60
Nyandarua	78%	73%	47%	52%	35%	29%	71%	59%	66%	8%	7%	29%	2%	43%	2%	44
Nyeri	77%	66%	23%	38%	13%	17%	52%	55%	43%	14%	16%	17%	3%	33%	0%	39
Samburu	62%	62%	41%	62%	57%	45%	62%	58%	58%	9%	8%	45%	4%	44%	4%	26
Siaya	71%	61%	44%	40%	28%	31%	64%	56%	54%	17%	14%	31%	1%	39%	1%	61
Taita taveta	68%	68%	41%	46%	17%	17%	64%	60%	57%	12%	10%	17%	3%	37%	2%	47
Tana river	55%	52%	34%	34%	34%	8%	49%	49%	49%	6%	2%	8%	5%	30%	2%	34
Tharaka-nithi	36%	29%	14%	11%	5%	4%	25%	25%	18%	4%	4%	4%	2%	14%	2%	49
Trans nzoia	48%	48%	31%	41%	33%	33%	48%	41%	42%	19%	10%	33%	13%	34%	3%	17
Turkana	30%	22%	26%	6%	16%	16%	30%	28%	22%	2%	4%	16%	1%	17%	1%	54
Uasin gishu	82%	74%	39%	50%	22%	22%	72%	72%	64%	20%	18%	22%	5%	43%	5%	53
Vihiga	29%	25%	17%	8%	6%	6%	22%	22%	25%	6%	8%	6%	3%	14%	3%	37
Wajir	42%	36%	32%	22%	22%	14%	36%	21%	36%	4%	7%	14%	4%	22%	1%	37
West pokot	52%	46%	9%	46%	14%	7%	50%	20%	30%	4%	4%	7%	3%	23%	3%	50
Facility type																

County	Emergency cart/tray-easily transported with drugs	Adrenaline	Glucose 50%	Atropine	Calcium gluconate	Sodium bicarbonate	Infusion set	Volume replacement IV	D5w IV for medication infusion	Oropharyngeal airway (adult)	Oropharyngeal airway (paediatric)	Adult intubation set	Paediatric intubation set	Mean availability of items	Percent of facilities with all items	Total number of facilities
Secondary & tertiary hospitals	95%	95%	90%	85%	70%	75%	95%	95%	95%	80%	70%	75%	45%	82%	45%	20
Public primary hospitals	82%	77%	66%	73%	48%	51%	78%	73%	76%	36%	29%	51%	16%	58%	10%	289
Private/ngo/fbo primary hospitals	90%	87%	83%	87%	77%	70%	84%	87%	90%	61%	57%	70%	35%	75%	28%	78
Health centres	70%	63%	50%	51%	26%	27%	63%	58%	58%	13%	9%	27%	6%	40%	3%	384
Dispensaries	59%	50%	27%	26%	14%	12%	49%	39%	39%	6%	5%	12%	2%	26%	1%	945
Medical clinics	63%	57%	40%	38%	17%	18%	55%	53%	52%	11%	7%	18%	4%	33%	2%	520
Managing authority																
Government	62%	54%	31%	32%	17%	17%	52%	43%	43%	8%	7%	17%	2%	29%	1%	1329
Ngo / fbo	70%	63%	49%	46%	28%	26%	63%	58%	61%	19%	15%	26%	7%	41%	4%	236
Private	66%	60%	47%	44%	24%	25%	58%	57%	56%	16%	13%	25%	9%	38%	6%	671
Urban/rural																
Urban	71%	65%	53%	52%	31%	30%	65%	62%	62%	23%	18%	30%	12%	44%	8%	673
Rural	61%	53%	32%	31%	16%	16%	51%	44%	44%	6%	6%	16%	2%	29%	1%	1563
Total	**64%**	**57%**	**39%**	**39%**	**21%**	**21%**	**56%**	**50%**	**50%**	**12%**	**10%**	**21%**	**5%**	**34%**	**3%**	**2236**

Annex Table 93: Percentage of facilities that have diagnostic tracer items for general emergency care services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2236), Kenya 2018

County	Urine dipstick for glucose/ protein/ ketones	Urine pregnancy test	Blood glucose	Malaria RDT	HIV rapid test	Mean availability of items	Percent of facilities with all items	Total number of facilities
Baringo	30%	28%	31%	67%	89%	49%	17%	50
Bomet	67%	67%	75%	81%	92%	77%	64%	12
Bungoma	54%	69%	52%	79%	87%	68%	40%	62
Busia	59%	68%	56%	84%	83%	70%	44%	47
Elgeyo-marakwet	5%	19%	21%	34%	68%	29%	2%	50
Embu	26%	36%	45%	34%	57%	39%	11%	58
Garissa	61%	71%	64%	63%	72%	66%	39%	44
Homa bay	16%	43%	34%	78%	83%	51%	12%	41
Isiolo	59%	63%	69%	47%	96%	67%	33%	35
Kajiado	32%	43%	64%	43%	69%	50%	20%	48
Kakamega	46%	60%	51%	85%	86%	66%	32%	64
Kericho	19%	24%	27%	60%	58%	38%	13%	55
Kiambu	58%	71%	74%	51%	75%	66%	42%	64
Kilifi	61%	74%	63%	87%	78%	73%	45%	52
Kirinyaga	78%	59%	67%	51%	75%	66%	44%	29
Kisii	41%	46%	50%	48%	75%	52%	27%	59
Kisumu	50%	60%	54%	82%	70%	63%	41%	44
Kitui	42%	46%	66%	21%	73%	50%	13%	47
Kwale	32%	44%	50%	69%	54%	50%	20%	52
Laikipia	76%	76%	76%	69%	96%	78%	48%	12
Lamu	39%	60%	64%	55%	87%	61%	30%	25
Machakos	54%	69%	65%	69%	85%	68%	42%	51
Makueni	41%	53%	43%	69%	75%	56%	29%	69
Mandera	51%	63%	75%	38%	79%	61%	24%	46
Marsabit	52%	45%	52%	52%	79%	56%	38%	16
Meru	21%	21%	45%	17%	32%	27%	13%	65
Migori	33%	37%	20%	61%	63%	43%	11%	62
Mombasa	81%	92%	87%	92%	79%	86%	68%	57
Murang'a	43%	60%	59%	43%	80%	57%	30%	67
Nairobi	83%	91%	90%	78%	96%	87%	69%	86
Nakuru	37%	43%	35%	47%	59%	44%	23%	76
Nandi	64%	55%	63%	64%	83%	66%	35%	40
Narok	28%	48%	52%	58%	80%	53%	13%	43
Nyamira	21%	34%	47%	20%	81%	40%	11%	60
Nyandarua	9%	21%	38%	38%	48%	31%	9%	44
Nyeri	29%	43%	56%	37%	59%	44%	14%	39

County	Urine dipstick for glucose/ protein/ ketones	Urine pregnancy test	Blood glucose	Malaria RDT	HIV rapid test	Mean availability of items	Percent of facilities with all items	Total number of facilities
Samburu	39%	52%	52%	88%	96%	65%	39%	26
Siaya	42%	69%	60%	87%	78%	67%	36%	61
Taita taveta	49%	57%	62%	63%	84%	63%	30%	47
Tana river	56%	63%	56%	80%	83%	67%	43%	34
Tharaka-nithi	53%	63%	71%	62%	71%	64%	32%	49
Trans nzoia	42%	49%	55%	47%	58%	50%	8%	17
Turkana	28%	27%	22%	96%	83%	51%	16%	54
Uasin gishu	38%	47%	58%	58%	80%	56%	27%	53
Vihiga	14%	52%	47%	72%	67%	50%	14%	37
Wajir	38%	50%	55%	65%	82%	58%	29%	37
West pokot	22%	48%	24%	88%	90%	54%	14%	50
Facility type								
Secondary & tertiary hospitals	65%	65%	80%	50%	75%	67%	45%	20
Public primary hospitals	50%	52%	61%	40%	65%	54%	32%	289
Private/ngo/ fbo primary hospitals	66%	67%	78%	60%	73%	69%	56%	78
Health centres	57%	63%	68%	59%	72%	64%	43%	384
Dispensaries	29%	40%	36%	62%	80%	49%	17%	945
Medical clinics	56%	71%	71%	62%	70%	66%	40%	520
Managing authority								
Government	31%	39%	38%	59%	77%	49%	19%	1329
Ngo / fbo	57%	66%	71%	65%	78%	67%	44%	236
Private	59%	71%	73%	61%	71%	67%	43%	671
Urban/rural								
Urban	64%	73%	76%	64%	76%	71%	50%	673
Rural	34%	45%	45%	59%	74%	51%	21%	1563
Total	**45%**	**55%**	**55%**	**61%**	**75%**	**58%**	**31%**	**2236**

Annex Table 94: Percentage of facilities that have infection prevention tracer items for general emergency care services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2236), Kenya 2018

County	Hand hygiene items (soap and running water or alcohol-based hand rub)	Disposable paper towels for drying hands	Signage promoting hand hygiene	Surface disinfectant (onsite)	Single use/ standard disposable or auto-disable syringes	Clean or sterile latex (or equivalent) gloves	Appropriate storage bin for sharps waste (non-penetrable, with lid)	Appropriate storage bin for infectious waste (clearly marked, pedal opener, plastic liner, lid)	Appropriate storage bin for biological waste (clearly marked, pedal opener, plastic liner, lid)	Surgical/ respiratory masks	N95 face masks	Protective gowns (sterile or non-sterile)	Aprons (impermeable)	Eye protection (goggles, face shields)	Gumboots or clogs	Hair cover	Mean availability of items	Percent of facilities with all items	Total number of facilities
Baringo	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50
Bomet	13%	13%	13%	10%	21%	21%	21%	21%	21%	13%	3%	21%	3%	0%	3%	3%	13%	0%	12
Bungoma	3%	2%	2%	3%	3%	3%	3%	3%	3%	1%	0%	1%	1%	0%	0%	0%	2%	0%	62
Busia	11%	7%	7%	11%	11%	11%	11%	2%	2%	7%	5%	6%	2%	0%	7%	0%	6%	0%	47
Elgeyo-marakwet	0%	0%	0%	0%	2%	2%	2%	2%	2%	0%	0%	0%	0%	0%	0%	0%	1%	0%	50
Embu	2%	1%	1%	2%	2%	2%	2%	0%	0%	1%	0%	2%	2%	2%	0%	0%	1%	0%	58
Garissa	6%	3%	3%	6%	6%	6%	6%	3%	0%	4%	1%	1%	5%	0%	0%	0%	3%	0%	44
Homa bay	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	41
Isiolo	2%	2%	2%	2%	2%	2%	2%	2%	2%	0%	0%	0%	0%	0%	0%	0%	1%	0%	35
Kajiado	7%	3%	3%	7%	7%	7%	7%	5%	5%	5%	3%	5%	4%	0%	2%	0%	4%	0%	48
Kakamega	4%	2%	2%	4%	4%	4%	4%	2%	0%	2%	2%	2%	0%	0%	2%	0%	2%	0%	64
Kericho	1%	1%	1%	3%	4%	4%	4%	3%	3%	3%	0%	3%	3%	0%	2%	2%	2%	0%	55
Kiambu	6%	4%	4%	6%	6%	6%	6%	4%	4%	6%	2%	4%	6%	2%	6%	6%	5%	0%	64
Kilifi	6%	0%	0%	7%	7%	7%	7%	6%	6%	2%	0%	6%	4%	0%	3%	0%	4%	0%	52
Kirinyaga	6%	0%	0%	6%	6%	6%	6%	6%	6%	6%	6%	0%	0%	0%	0%	0%	4%	0%	29
Kisii	10%	10%	10%	8%	10%	10%	10%	7%	5%	5%	0%	4%	5%	2%	4%	3%	7%	0%	59
Kisumu	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	44
Kitui	3%	0%	0%	3%	3%	3%	3%	3%	3%	3%	0%	0%	0%	0%	0%	0%	2%	0%	47
Kwale	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	0%	1%	1%	0%	1%	1%	1%	0%	52
Laikipia	14%	14%	10%	14%	14%	14%	14%	14%	14%	14%	0%	14%	14%	4%	8%	14%	12%	0%	12
Lamu	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	25

County	Hand hygiene items (soap and running water or alcohol-based hand rub)	Disposable paper towels for drying hands	Signage promoting hand hygiene	Surface disinfectant (onsite)	Single use/ standard disposable or auto-disable syringes	Clean or sterile latex (or equivalent) gloves	Appropriate storage bin for sharps waste (non-penetrable, with lid)	Appropriate storage bin for infectious waste (clearly marked, pedal opener, plastic liner, lid)	Appropriate storage bin for biological waste (clearly marked, pedal opener, plastic liner, lid)	Surgical/ respiratory masks	N95 face masks	Protective gowns (sterile or non-sterile)	Aprons (impermeable)	Eye protection (goggles, face shields)	Gumboots or clogs	Hair cover	Mean availability of items	Percent of facilities with all items	Total number of facilities
Machakos	4%	3%	3%	5%	10%	10%	7%	7%	7%	2%	0%	5%	3%	0%	3%	3%	4%	0%	51
Makueni	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	69
Mandera	2%	2%	2%	2%	2%	2%	2%	2%	2%	0%	0%	2%	2%	0%	2%	2%	2%	0%	46
Marsabit	7%	0%	0%	0%	7%	7%	7%	0%	0%	7%	0%	7%	0%	0%	0%	0%	3%	0%	16
Meru	3%	2%	2%	3%	3%	3%	3%	2%	2%	3%	0%	2%	2%	0%	0%	0%	2%	0%	65
Migori	6%	3%	3%	6%	8%	10%	8%	6%	2%	3%	0%	3%	6%	2%	5%	2%	5%	0%	62
Mombasa	6%	4%	4%	6%	6%	6%	6%	4%	4%	4%	2%	4%	4%	4%	4%	4%	5%	2%	57
Murang'a	8%	3%	3%	6%	8%	8%	8%	8%	8%	5%	0%	3%	6%	2%	3%	2%	5%	0%	67
Nairobi	7%	5%	5%	7%	7%	7%	7%	7%	5%	7%	6%	5%	7%	5%	5%	5%	6%	3%	86
Nakuru	7%	0%	0%	7%	7%	7%	7%	4%	2%	5%	3%	5%	6%	0%	2%	0%	4%	0%	76
Nandi	6%	4%	4%	6%	6%	6%	6%	4%	4%	6%	0%	2%	4%	0%	4%	1%	4%	0%	40
Narok	9%	9%	9%	9%	9%	9%	9%	9%	9%	3%	3%	5%	8%	0%	0%	0%	6%	0%	43
Nyamira	0%	0%	0%	0%	2%	2%	2%	0%	0%	2%	0%	0%	0%	0%	0%	0%	1%	0%	60
Nyandarua	6%	4%	6%	6%	6%	6%	4%	4%	4%	4%	0%	4%	6%	0%	0%	0%	4%	0%	44
Nyeri	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39
Samburu	13%	8%	8%	13%	13%	13%	13%	13%	9%	9%	0%	9%	9%	0%	8%	0%	8%	0%	26
Siaya	10%	6%	4%	10%	12%	12%	12%	7%	7%	12%	7%	10%	7%	5%	5%	4%	8%	0%	61
Taita taveta	6%	6%	6%	6%	6%	6%	6%	6%	6%	6%	3%	3%	6%	3%	3%	3%	5%	1%	47
Tana river	3%	0%	0%	0%	6%	6%	6%	3%	3%	0%	0%	0%	0%	3%	0%	0%	2%	0%	34
Tharaka-nithi	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	0%	2%	0%	0%	2%	2%	2%	0%	49
Trans nzoia	9%	3%	3%	9%	9%	9%	9%	0%	0%	3%	0%	3%	7%	0%	7%	0%	4%	0%	17
Turkana	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	0%	2%	0%	1%	0%	54
Uasin gishu	7%	1%	1%	7%	7%	7%	7%	3%	3%	5%	1%	3%	3%	3%	2%	3%	4%	0%	53

County	Hand hygiene items (soap and running water or alcohol-based hand rub)	Disposable paper towels for drying hands	Signage promoting hand hygiene	Surface disinfectant (onsite)	Single use/ standard disposable or auto-disable syringes	Clean or sterile latex (or equivalent) gloves	Appropriate storage bin for sharps waste (non-penetrable, with lid)	Appropriate storage bin for infectious waste (clearly marked, pedal opener, plastic liner, lid)	Appropriate storage bin for biological waste (clearly marked, pedal opener, plastic liner, lid)	Surgical/ respiratory masks	N95 face masks	Protective gowns (sterile or non-sterile)	Aprons (impermeable)	Eye protection (goggles, face shields)	Gumboots or clogs	Hair cover	Mean availability of items	Percent of facilities with all items	Total number of facilities
Vihiga	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	0%	3%	0%	3%	0%	2%	0%	37
Wajir	6%	9%	9%	9%	9%	9%	9%	3%	9%	0%	0%	0%	9%	0%	0%	0%	5%	0%	37
West pokot	0%	0%	0%	2%	0%	2%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	50
Facility type																			
Secondary & tertiary hospitals	50%	45%	45%	50%	50%	50%	50%	25%	30%	50%	25%	35%	25%	15%	10%	20%	36%	10%	20
Public primary hospitals	8%	7%	6%	8%	9%	9%	9%	6%	6%	7%	3%	7%	6%	2%	4%	3%	6%	0%	289
Private/ngo/fbo primary hospitals	34%	20%	19%	35%	35%	35%	35%	30%	22%	35%	16%	25%	24%	11%	14%	14%	25%	4%	78
Health centres	6%	5%	5%	6%	8%	8%	7%	6%	6%	4%	2%	5%	5%	2%	4%	3%	5%	1%	384
Dispensaries	2%	1%	1%	2%	2%	2%	2%	2%	1%	1%	0%	1%	2%	0%	1%	0%	1%	0%	945
Medical clinics	3%	1%	1%	2%	3%	3%	3%	1%	1%	1%	1%	1%	1%	1%	1%	0%	1%	0%	520
Managing authority																			
Government	3%	2%	2%	3%	3%	3%	3%	2%	2%	2%	1%	2%	2%	0%	1%	0%	2%	0%	1329
Ngo / fbo	9%	4%	4%	9%	9%	9%	9%	7%	5%	7%	4%	4%	7%	1%	3%	2%	6%	0%	236
Private	6%	3%	3%	6%	6%	6%	6%	5%	4%	5%	2%	5%	4%	2%	3%	3%	4%	1%	671
Urban/rural																			
Urban	8%	5%	5%	8%	9%	9%	9%	7%	6%	7%	3%	6%	6%	3%	4%	3%	6%	1%	673
Rural	3%	2%	2%	3%	3%	3%	3%	2%	2%	2%	0%	1%	2%	0%	1%	1%	2%	0%	1563
Total	**5%**	**3%**	**3%**	**5%**	**5%**	**5%**	**5%**	**4%**	**3%**	**4%**	**1%**	**3%**	**3%**	**1%**	**2%**	**2%**	**3%**	**0%**	**2236**

Annex Table 95: Percentage of facilities that have infrastructure tracer items for general emergency care services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2236), Kenya 2018

County	Isolation room for placing patients with suspect infectious diseases such as TB or haemorrhagic fever	Designated triage area	Designated resuscitation area	Designated telephone or radio for communicating with other facilities and/or prehospital providers	Usable toilet for patients/ visitors of ER with hand washing materials within 500m	Mean availability of items	Percent of facilities with all items	Total number of facilities
Baringo	0%	6%	1%	10%	7%	5%	0%	50
Bomet	0%	51%	66%	51%	8%	35%	0%	12
Bungoma	3%	18%	16%	37%	12%	17%	1%	62
Busia	9%	23%	15%	6%	22%	15%	2%	47
Elgeyo-marakwet	0%	1%	4%	1%	6%	2%	0%	50
Embu	0%	5%	1%	14%	9%	6%	0%	58
Garissa	9%	17%	21%	8%	28%	17%	6%	44
Homa bay	8%	20%	14%	18%	38%	20%	8%	41
Isiolo	3%	17%	12%	13%	21%	13%	0%	35
Kajiado	4%	1%	7%	14%	16%	8%	0%	48
Kakamega	2%	16%	9%	22%	15%	13%	0%	64
Kericho	8%	12%	4%	13%	14%	10%	0%	55
Kiambu	2%	22%	14%	16%	53%	21%	0%	64
Kilifi	3%	12%	10%	12%	43%	16%	1%	52
Kirinyaga	0%	0%	5%	8%	8%	4%	0%	29
Kisii	11%	28%	14%	23%	9%	17%	0%	59
Kisumu	7%	16%	14%	29%	39%	21%	7%	44
Kitui	0%	5%	3%	4%	8%	4%	0%	47
Kwale	1%	8%	4%	29%	13%	11%	0%	52
Laikipia	27%	24%	24%	27%	52%	31%	17%	12
Lamu	0%	13%	7%	4%	4%	6%	0%	25
Machakos	7%	15%	14%	29%	32%	19%	0%	51
Makueni	2%	7%	7%	6%	21%	9%	0%	69
Mandera	8%	14%	11%	6%	37%	15%	2%	46
Marsabit	9%	0%	0%	16%	50%	15%	0%	16
Meru	1%	12%	9%	14%	33%	14%	1%	65
Migori	6%	24%	7%	26%	26%	18%	0%	62
Mombasa	0%	21%	15%	27%	82%	29%	0%	57
Murang'a	0%	6%	9%	6%	8%	6%	0%	67
Nairobi	5%	28%	32%	26%	36%	25%	2%	86
Nakuru	11%	16%	16%	14%	42%	20%	3%	76
Nandi	3%	6%	11%	7%	1%	6%	0%	40
Narok	3%	5%	3%	12%	10%	7%	3%	43

County	Isolation room for placing patients with suspect infectious diseases such as TB or haemorrhagic fever	Designated triage area	Designated resuscitation area	Designated telephone or radio for communicating with other facilities and/or prehospital providers	Usable toilet for patients/ visitors of ER with hand washing materials within 500m	Mean availability of items	Percent of facilities with all items	Total number of facilities
Nyamira	0%	3%	3%	7%	6%	4%	0%	60
Nyandarua	2%	16%	2%	9%	12%	8%	2%	44
Nyeri	3%	4%	9%	17%	27%	12%	0%	39
Samburu	0%	2%	0%	2%	19%	5%	0%	26
Siaya	6%	16%	11%	25%	20%	16%	0%	61
Taita taveta	0%	7%	2%	22%	25%	11%	0%	47
Tana river	0%	6%	3%	34%	25%	14%	0%	34
Tharaka-nithi	2%	11%	5%	14%	11%	9%	0%	49
Trans nzoia	0%	3%	3%	9%	24%	8%	0%	17
Turkana	4%	9%	9%	12%	22%	11%	2%	54
Uasin gishu	2%	14%	11%	13%	28%	14%	2%	53
Vihiga	0%	14%	8%	0%	0%	5%	0%	37
Wajir	0%	1%	0%	10%	10%	4%	0%	37
West pokot	3%	22%	16%	10%	37%	17%	0%	50
Facility type								
Secondary & tertiary hospitals	20%	70%	70%	75%	40%	55%	15%	20
Public primary hospitals	6%	29%	19%	31%	22%	21%	2%	289
Private/ngo/fbo primary hospitals	25%	61%	48%	50%	60%	49%	12%	78
Health centres	4%	14%	16%	19%	25%	16%	2%	384
Dispensaries	2%	9%	6%	11%	15%	8%	0%	945
Medical clinics	3%	12%	11%	15%	38%	16%	0%	520
Managing authority								
Government	2%	10%	7%	13%	15%	9%	1%	1329
Ngo / fbo	7%	19%	18%	21%	32%	19%	2%	236
Private	5%	17%	16%	19%	39%	19%	2%	671
Urban/rural								
Urban	7%	24%	22%	26%	41%	24%	2%	673
Rural	2%	9%	6%	11%	18%	9%	1%	1563
Total	**4%**	**14%**	**12%**	**16%**	**26%**	**14%**	**1%**	**2236**

Annex Table 96: Percentage of facilities that offer emergency quality support services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Measure vital signs in triage area	Measure vital signs in ER unit	Perform emergency vaginal delivery	Administer uterotonic drug (e.g., oxytocin)	Perform neonatal resuscitation	Total number of facilities
Baringo	41%	42%	62%	60%	62%	63
Bomet	11%	19%	13%	16%	14%	56
Bungoma	72%	70%	70%	69%	74%	67
Busia	61%	44%	68%	64%	51%	56
Elgeyo-marakwet	11%	76%	80%	72%	65%	53
Embu	37%	42%	73%	42%	36%	63
Garissa	47%	57%	43%	49%	38%	59
Homa bay	20%	20%	45%	48%	42%	74
Isiolo	76%	74%	87%	87%	81%	36
Kajiado	52%	55%	49%	49%	36%	67
Kakamega	78%	74%	66%	71%	53%	73
Kericho	41%	64%	72%	47%	45%	63
Kiambu	54%	64%	56%	43%	47%	86
Kilifi	56%	61%	54%	55%	53%	69
Kirinyaga	39%	42%	24%	25%	22%	63
Kisii	65%	67%	54%	60%	44%	75
Kisumu	30%	31%	36%	37%	34%	73
Kitui	31%	28%	25%	29%	28%	75
Kwale	78%	80%	72%	78%	63%	54
Laikipia	17%	14%	14%	16%	11%	58
Lamu	29%	33%	48%	48%	39%	34
Machakos	50%	44%	44%	46%	37%	71
Makueni	20%	56%	78%	66%	61%	73
Mandera	49%	62%	71%	73%	47%	54
Marsabit	8%	1%	21%	23%	21%	48
Meru	31%	48%	26%	22%	24%	83
Migori	40%	41%	62%	65%	59%	69
Mombasa	75%	75%	49%	49%	35%	70
Murang'a	18%	75%	67%	34%	28%	67
Nairobi	92%	91%	67%	52%	53%	89
Nakuru	60%	72%	67%	54%	44%	87
Nandi	56%	54%	55%	51%	38%	62
Narok	40%	44%	60%	55%	43%	59
Nyamira	52%	84%	93%	91%	73%	61
Nyandarua	40%	50%	40%	40%	30%	57
Nyeri	43%	41%	19%	20%	19%	72
Samburu	29%	25%	52%	50%	55%	41
Siaya	65%	70%	61%	69%	64%	69
Taita taveta	41%	64%	72%	72%	61%	49

County	Measure vital signs in triage area	Measure vital signs in ER unit	Perform emergency vaginal delivery	Administer uterotonic drug (e.g., oxytocin)	Perform neonatal resuscitation	Total number of facilities
Tana river	41%	48%	63%	71%	52%	38
Tharaka-nithi	40%	41%	45%	28%	15%	55
Trans nzoia	14%	14%	6%	1%	5%	58
Turkana	44%	32%	59%	77%	53%	61
Uasin gishu	59%	65%	57%	58%	52%	62
Vihiga	64%	46%	70%	68%	58%	45
Wajir	39%	43%	40%	42%	40%	54
West pokot	52%	54%	68%	62%	51%	56
Facility type						
Secondary & tertiary hospitals	100%	100%	90%	80%	80%	20
Public primary hospitals	71%	77%	84%	82%	82%	307
Private/ngo/fbo primary hospitals	89%	90%	85%	88%	88%	84
Health centres	58%	65%	73%	73%	67%	465
Dispensaries	41%	48%	53%	49%	40%	1261
Medical clinics	46%	52%	37%	30%	26%	790
Managing authority						
Government	45%	52%	59%	56%	49%	1658
Ngo / fbo	51%	54%	51%	48%	41%	323
Private	51%	58%	46%	41%	36%	946
Urban/rural						
Urban	61%	65%	51%	45%	42%	873
Rural	42%	50%	54%	51%	43%	2054
Total	**48%**	**55%**	**53%**	**49%**	**43%**	**2927**

Annex Table 97: Percentage of facilities that have tracer items for emergency quality support services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2236), Kenya 2018

County	Blood pressure apparatus	Thermometer	Stethoscope	Mean availability of items	Percent of facilities with all items	Total number of facilities
Baringo	94%	100%	98%	97%	91%	50
Bomet	91%	92%	100%	95%	84%	12
Bungoma	97%	93%	92%	94%	88%	62
Busia	84%	76%	81%	80%	66%	47
Elgeyo-marakwet	87%	78%	88%	84%	73%	50
Embu	90%	88%	93%	91%	75%	58
Garissa	92%	90%	95%	92%	82%	44
Homa bay	80%	87%	92%	86%	76%	41
Isiolo	100%	97%	100%	99%	97%	35
Kajiado	91%	82%	86%	86%	79%	48
Kakamega	91%	89%	90%	90%	85%	64
Kericho	96%	92%	98%	95%	88%	55
Kiambu	98%	95%	96%	96%	95%	64
Kilifi	96%	96%	98%	97%	94%	52
Kirinyaga	96%	93%	81%	90%	74%	29
Kisii	94%	84%	91%	90%	79%	59
Kisumu	96%	99%	99%	98%	94%	44
Kitui	89%	90%	94%	91%	72%	47
Kwale	94%	94%	96%	95%	90%	52
Laikipia	100%	90%	100%	97%	90%	12
Lamu	100%	100%	100%	100%	100%	25
Machakos	89%	93%	100%	94%	82%	51
Makueni	98%	91%	97%	96%	86%	69
Mandera	93%	84%	100%	92%	77%	46
Marsabit	97%	97%	97%	97%	97%	16
Meru	92%	90%	96%	93%	84%	65
Migori	83%	80%	85%	83%	69%	62
Mombasa	97%	98%	96%	97%	93%	57
Murang'a	100%	98%	98%	99%	96%	67
Nairobi	100%	97%	93%	97%	90%	86
Nakuru	96%	88%	98%	94%	83%	76
Nandi	87%	68%	88%	81%	65%	40
Narok	95%	92%	92%	93%	89%	43
Nyamira	96%	79%	97%	91%	77%	60
Nyandarua	98%	98%	98%	98%	98%	44
Nyeri	97%	97%	99%	98%	96%	39
Samburu	100%	92%	100%	97%	92%	26
Siaya	94%	91%	93%	93%	81%	61

County	Blood pressure apparatus	Thermometer	Stethoscope	Mean availability of items	Percent of facilities with all items	Total number of facilities
Taita taveta	91%	93%	98%	94%	82%	47
Tana river	85%	91%	97%	91%	76%	34
Tharaka-nithi	98%	96%	94%	96%	92%	49
Trans nzoia	85%	77%	87%	83%	74%	17
Turkana	88%	86%	96%	90%	75%	54
Uasin gishu	94%	93%	96%	94%	87%	53
Vihiga	77%	75%	78%	77%	67%	37
Wajir	96%	94%	100%	97%	93%	37
West pokot	76%	86%	92%	85%	65%	50
Facility type						
Secondary & tertiary hospitals	100%	85%	95%	93%	85%	20
Public primary hospitals	93%	85%	91%	90%	79%	289
Private/ngo/fbo primary hospitals	98%	95%	96%	96%	92%	78
Health centres	95%	91%	95%	93%	86%	384
Dispensaries	91%	89%	93%	91%	81%	945
Medical clinics	96%	94%	96%	95%	90%	520
Managing authority						
Government	91%	87%	93%	90%	79%	1329
Ngo / fbo	97%	96%	95%	96%	94%	236
Private	96%	94%	96%	95%	90%	671
Urban/rural						
Urban	97%	94%	95%	95%	89%	673
Rural	92%	89%	94%	92%	83%	1563
Total	**94%**	**91%**	**94%**	**93%**	**85%**	**2236**

Annex Table 98: Percentage of facilities that offer emergency airway interventions by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Use of manual maneuvers (e.g., jaw thrust, chin lift)	Use of suction	Placement of oro- or naso-pharyngeal airway device	Placement of supraglottic device	Endotracheal intubation	Creation of surgical airway	Total number of facilities
Baringo	13%	31%	10%	8%	5%	2%	63
Bomet	12%	8%	1%	1%	1%	3%	56
Bungoma	31%	19%	7%	3%	2%	3%	67
Busia	16%	15%	6%	4%	1%	0%	56
Elgeyo-marakwet	49%	35%	5%	1%	4%	0%	53
Embu	43%	20%	9%	4%	5%	1%	63
Garissa	12%	18%	8%	10%	4%	1%	59
Homa bay	21%	20%	18%	6%	3%	1%	74
Isiolo	81%	62%	27%	4%	9%	5%	36
Kajiado	33%	28%	6%	8%	4%	4%	67
Kakamega	56%	26%	12%	5%	7%	5%	73
Kericho	25%	17%	11%	10%	6%	3%	63
Kiambu	48%	23%	20%	12%	11%	10%	86
Kilifi	42%	42%	13%	13%	10%	3%	69
Kirinyaga	11%	13%	6%	3%	4%	3%	63
Kisii	21%	37%	13%	10%	7%	7%	75
Kisumu	29%	26%	17%	12%	10%	6%	73
Kitui	13%	17%	3%	1%	1%	0%	75
Kwale	27%	38%	7%	1%	1%	0%	54
Laikipia	2%	13%	3%	3%	4%	3%	58
Lamu	14%	25%	2%	2%	5%	3%	34
Machakos	29%	18%	14%	3%	9%	3%	71
Makueni	27%	28%	3%	1%	4%	4%	73
Mandera	25%	30%	3%	0%	1%	0%	54
Marsabit	0%	7%	4%	1%	4%	3%	48
Meru	19%	16%	9%	6%	2%	0%	83
Migori	42%	26%	13%	2%	0%	0%	69
Mombasa	27%	31%	17%	15%	12%	5%	70
Murang'a	10%	15%	8%	6%	4%	6%	67
Nairobi	48%	53%	21%	26%	18%	16%	89
Nakuru	36%	24%	7%	4%	5%	6%	87
Nandi	1%	15%	1%	1%	2%	1%	62
Narok	20%	52%	5%	3%	2%	2%	59
Nyamira	51%	36%	5%	1%	3%	1%	61
Nyandarua	8%	16%	5%	1%	5%	1%	57
Nyeri	12%	10%	7%	7%	7%	4%	72
Samburu	34%	47%	14%	5%	5%	5%	41
Siaya	56%	42%	16%	8%	5%	2%	69

County	Use of manual maneuvers (e.g., jaw thrust, chin lift)	Use of suction	Placement of oro- or naso-pharyngeal airway device	Placement of supraglottic device	Endotracheal intubation	Creation of surgical airway	Total number of facilities
Taita taveta	34%	43%	9%	5%	3%	3%	49
Tana river	40%	12%	2%	2%	0%	0%	38
Tharaka-nithi	7%	15%	5%	3%	3%	8%	55
Trans nzoia	9%	6%	1%	1%	1%	1%	58
Turkana	15%	18%	1%	1%	1%	1%	61
Uasin gishu	36%	22%	11%	8%	8%	6%	62
Vihiga	15%	14%	8%	5%	6%	2%	45
Wajir	10%	16%	4%	4%	0%	2%	54
West pokot	23%	22%	3%	6%	0%	4%	56
Facility type							
Secondary & tertiary hospitals	85%	95%	90%	65%	75%	70%	20
Public primary hospitals	61%	65%	33%	21%	18%	10%	307
Private/ngo/fbo primary hospitals	73%	87%	65%	55%	55%	41%	84
Health centres	38%	43%	14%	10%	7%	6%	465
Dispensaries	20%	17%	3%	3%	1%	1%	1261
Medical clinics	26%	18%	8%	5%	4%	2%	790
Managing authority							
Government	24%	22%	6%	4%	2%	2%	1658
Ngo / fbo	33%	33%	16%	11%	9%	6%	323
Private	32%	26%	13%	10%	9%	7%	946
Urban/rural							
Urban	37%	35%	19%	15%	13%	9%	873
Rural	23%	21%	5%	3%	2%	2%	2054
Total	**28%**	**25%**	**10%**	**7%**	**6%**	**4%**	**2927**

Annex Table 99: Percentage of facilities that have tracer items for emergency airway interventions among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2236), Kenya 2018

County	Suction apparatus, with suction catheter	Oropharyngeal airway (adult)	Oropharyngeal airway (paediatric)	Supraglottic device	Cricothyroidotomy or tracheostomy set	Mean availability of items	Percent of facilities with all items	Total number of facilities
Baringo	29%	8%	4%	5%	0%	9%	0%	50
Bomet	29%	3%	3%	13%	3%	10%	3%	12
Bungoma	19%	17%	10%	8%	2%	11%	1%	62
Busia	12%	12%	11%	1%	1%	7%	0%	47
Elgeyo-marakwet	10%	1%	1%	0%	0%	2%	0%	50
Embu	16%	10%	9%	5%	0%	8%	0%	58
Garissa	20%	9%	9%	10%	1%	10%	1%	44
Homa bay	42%	61%	46%	13%	3%	33%	3%	41
Isiolo	43%	32%	18%	8%	4%	21%	2%	35
Kajiado	31%	15%	13%	7%	0%	13%	0%	48
Kakamega	17%	10%	10%	12%	0%	10%	0%	64
Kericho	21%	12%	16%	9%	4%	13%	4%	55
Kiambu	25%	21%	13%	13%	3%	15%	3%	64
Kilifi	43%	20%	18%	7%	3%	18%	0%	52
Kirinyaga	12%	6%	6%	14%	9%	10%	0%	29
Kisii	30%	18%	10%	4%	0%	13%	0%	59
Kisumu	42%	27%	28%	28%	7%	27%	7%	44
Kitui	28%	7%	5%	0%	1%	8%	0%	47
Kwale	31%	10%	6%	6%	0%	10%	0%	52
Laikipia	65%	27%	38%	31%	13%	35%	13%	12
Lamu	30%	9%	2%	4%	0%	9%	0%	25
Machakos	27%	27%	20%	15%	3%	18%	3%	51
Makueni	20%	10%	7%	5%	3%	9%	1%	69
Mandera	33%	8%	3%	4%	0%	10%	0%	46
Marsabit	28%	12%	12%	12%	12%	15%	9%	16
Meru	21%	13%	11%	8%	3%	11%	0%	65
Migori	15%	20%	21%	4%	0%	12%	0%	62
Mombasa	44%	23%	22%	17%	9%	23%	3%	57
Murang'a	11%	8%	8%	7%	2%	7%	2%	67
Nairobi	42%	28%	25%	21%	10%	25%	5%	86
Nakuru	23%	16%	10%	7%	3%	12%	3%	76
Nandi	20%	3%	1%	1%	1%	5%	1%	40
Narok	47%	4%	6%	1%	0%	12%	0%	43
Nyamira	28%	8%	7%	3%	2%	9%	0%	60

County	Suction apparatus, with suction catheter	Oropharyngeal airway (adult)	Oropharyngeal airway (paediatric)	Supraglottic device	Cricothyroidotomy or tracheostomy set	Mean availability of items	Percent of facilities with all items	Total number of facilities
Nyandarua	21%	10%	10%	8%	2%	10%	2%	44
Nyeri	17%	14%	11%	6%	3%	10%	3%	39
Samburu	76%	15%	19%	10%	2%	24%	2%	26
Siaya	37%	18%	21%	9%	1%	17%	1%	61
Taita taveta	47%	16%	15%	6%	2%	17%	2%	47
Tana river	29%	10%	2%	5%	0%	9%	0%	34
Tharaka-nithi	13%	4%	5%	5%	2%	6%	2%	49
Trans nzoia	12%	19%	27%	17%	0%	15%	0%	17
Turkana	12%	4%	4%	4%	4%	6%	4%	54
Uasin gishu	19%	26%	20%	8%	5%	16%	5%	53
Vihiga	14%	7%	7%	1%	1%	6%	0%	37
Wajir	26%	10%	6%	3%	1%	9%	0%	37
West pokot	23%	4%	4%	2%	0%	7%	0%	50
Facility type								
Secondary & tertiary hospitals	95%	95%	80%	80%	60%	82%	55%	20
Public primary hospitals	54%	47%	38%	28%	10%	35%	6%	289
Private/ngo/fbo primary hospitals	79%	70%	65%	57%	33%	61%	24%	78
Health centres	39%	17%	15%	11%	4%	17%	1%	384
Dispensaries	19%	8%	6%	3%	0%	7%	0%	945
Medical clinics	19%	14%	12%	6%	1%	10%	1%	520
Managing authority								
Government	23%	11%	8%	5%	1%	10%	1%	1329
Ngo / fbo	37%	24%	20%	13%	3%	19%	3%	236
Private	28%	19%	18%	13%	6%	17%	3%	671
Urban/rural								
Urban	38%	28%	24%	18%	7%	23%	4%	673
Rural	21%	10%	8%	4%	1%	9%	1%	1563
Total	**27%**	**16%**	**13%**	**9%**	**3%**	**13%**	**2%**	**2236**

Annex Table 100: Percentage of facilities that offer emergency breathing interventions by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Measurement of pulse oximetry at triage	Measurement of pulse oximetry in emergency unit	Administration of critical therapies for reactive airway disease	Administration of oxygen	Bag-valve-mask ventilation	Non-invasive mechanical ventilation	Invasive mechanical ventilation	Perform needle decompression of tension pneumothorax	Placement of chest tube	Total number of facilities
Baringo	4%	6%	32%	9%	15%	1%	3%	1%	1%	63
Bomet	9%	10%	4%	7%	4%	1%	1%	3%	1%	56
Bungoma	10%	8%	31%	12%	20%	8%	3%	1%	1%	67
Busia	9%	9%	23%	18%	12%	2%	0%	3%	3%	56
Elgeyo-marakwet	5%	8%	82%	22%	26%	5%	7%	1%	1%	53
Embu	4%	10%	54%	12%	12%	1%	0%	3%	2%	63
Garissa	8%	8%	24%	16%	11%	4%	1%	1%	3%	59
Homa bay	13%	11%	37%	8%	36%	3%	1%	3%	2%	74
Isiolo	15%	9%	61%	29%	31%	6%	3%	2%	0%	36
Kajiado	18%	24%	31%	28%	23%	5%	2%	3%	3%	67
Kakamega	13%	13%	62%	22%	26%	4%	2%	6%	3%	73
Kericho	8%	10%	13%	12%	8%	0%	5%	4%	3%	63
Kiambu	25%	30%	57%	24%	24%	4%	6%	12%	7%	86
Kilifi	12%	14%	38%	24%	29%	5%	4%	2%	5%	69
Kirinyaga	7%	9%	16%	14%	17%	0%	3%	7%	5%	63
Kisii	9%	9%	18%	17%	14%	3%	2%	2%	2%	75
Kisumu	9%	12%	25%	19%	28%	9%	4%	4%	5%	73
Kitui	8%	9%	11%	9%	13%	0%	2%	1%	1%	75
Kwale	7%	7%	84%	7%	35%	3%	1%	0%	0%	54
Laikipia	8%	9%	9%	9%	9%	0%	0%	0%	1%	58
Lamu	8%	5%	17%	19%	19%	0%	0%	0%	3%	34
Machakos	13%	11%	22%	18%	17%	2%	2%	7%	4%	71
Makueni	4%	4%	13%	10%	32%	3%	2%	3%	1%	73
Mandera	8%	8%	62%	18%	11%	0%	0%	0%	2%	54
Marsabit	4%	3%	13%	7%	8%	3%	3%	4%	4%	48
Meru	10%	11%	35%	10%	29%	0%	0%	4%	1%	83
Migori	2%	2%	36%	10%	23%	1%	2%	2%	2%	69
Mombasa	24%	22%	19%	25%	28%	2%	2%	5%	10%	70
Murang'a	9%	8%	56%	12%	10%	6%	4%	4%	4%	67
Nairobi	52%	54%	39%	59%	40%	8%	14%	18%	18%	89
Nakuru	24%	22%	29%	22%	19%	6%	6%	7%	6%	87
Nandi	11%	11%	17%	17%	26%	0%	1%	0%	2%	62
Narok	4%	5%	13%	17%	22%	2%	2%	6%	3%	59
Nyamira	0%	2%	61%	10%	9%	2%	1%	2%	2%	61

County	Measurement of pulse oximetry at triage	Measurement of pulse oximetry in emergency unit	Administration of critical therapies for reactive airway disease	Administration of oxygen	Bag-valve-mask ventilation	Non-invasive mechanical ventilation	Invasive mechanical ventilation	Perform needle decompression of tension pneumothorax	Placement of chest tube	Total number of facilities
Nyandarua	2%	2%	42%	15%	18%	3%	0%	0%	0%	57
Nyeri	9%	7%	31%	9%	12%	4%	4%	4%	5%	72
Samburu	5%	7%	40%	40%	37%	5%	7%	1%	3%	41
Siaya	19%	26%	39%	17%	31%	11%	4%	5%	5%	69
Taita taveta	6%	3%	72%	19%	70%	13%	2%	1%	3%	49
Tana river	7%	4%	15%	15%	12%	2%	0%	0%	0%	38
Tharaka-nithi	6%	6%	7%	12%	13%	2%	3%	3%	2%	55
Trans nzoia	7%	7%	11%	6%	6%	7%	0%	1%	1%	58
Turkana	5%	4%	2%	14%	4%	1%	1%	3%	1%	61
Uasin gishu	13%	17%	36%	17%	23%	4%	8%	5%	7%	62
Vihiga	8%	6%	25%	6%	9%	5%	7%	2%	0%	45
Wajir	2%	4%	15%	11%	10%	2%	0%	0%	0%	54
West pokot	4%	4%	14%	6%	18%	2%	1%	0%	1%	56
Facility type										
Secondary & tertiary hospitals	100%	100%	95%	100%	85%	35%	55%	75%	80%	20
Public primary hospitals	29%	30%	70%	66%	55%	14%	9%	15%	14%	307
Private/ngo/ fbo primary hospitals	80%	79%	80%	87%	82%	24%	33%	47%	53%	84
Health centres	18%	19%	43%	35%	33%	7%	4%	6%	5%	465
Dispensaries	4%	4%	24%	6%	15%	1%	2%	1%	1%	1261
Medical clinics	15%	17%	29%	15%	16%	2%	2%	3%	2%	790
Managing authority										
Government	5%	5%	29%	12%	19%	2%	2%	2%	1%	1658
Ngo / fbo	22%	23%	34%	27%	28%	4%	4%	8%	7%	323
Private	21%	23%	36%	24%	23%	6%	5%	7%	7%	946
Urban/rural										
Urban	27%	29%	39%	34%	30%	6%	7%	10%	10%	873
Rural	7%	7%	29%	11%	18%	3%	2%	2%	1%	2054
Total	**14%**	**14%**	**32%**	**18%**	**22%**	**4%**	**3%**	**5%**	**4%**	**2927**

Annex Table 101: Percentage of facilities that have tracer items for emergency breathing interventions among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2236), Kenya 2018

County	Pulse oximeter	Micronebulizer, beclomethasone, and salbutamol inhaler	Oxygen with tubing, flowmeter, and humidifier	Resuscitation bag and mask (adult)	Resuscitation bag and mask (paediatric)	Adult intubation (Endotracheal tubes, laryngescope, Magill forceps, stylus) with connecting tubes	Paediatric intubation (Endotracheal tubes, laryngescope, Magill forceps, stylus) with connecting tubes	Chest tubes with insertion set	CPAP equipment	Mean availability of items	Percent of facilities with all items	Total number of facilities
Baringo	8%	4%	6%	25%	23%	6%	3%	1%	1%	8%	0%	50
Bomet	59%	11%	35%	59%	21%	13%	22%	13%	0%	26%	0%	12
Bungoma	5%	6%	2%	22%	18%	2%	1%	2%	1%	7%	0%	62
Busia	7%	4%	13%	28%	28%	2%	2%	1%	0%	9%	0%	47
Elgeyo-marakwet	7%	4%	4%	11%	33%	2%	2%	0%	0%	7%	0%	50
Embu	9%	7%	3%	13%	17%	2%	2%	2%	0%	6%	0%	58
Garissa	8%	6%	6%	12%	15%	7%	7%	8%	3%	8%	0%	44
Homa bay	21%	0%	8%	60%	61%	8%	8%	12%	1%	20%	0%	41
Isiolo	11%	4%	17%	26%	27%	11%	11%	4%	4%	13%	0%	35
Kajiado	21%	9%	23%	29%	29%	3%	5%	0%	1%	13%	0%	48
Kakamega	9%	5%	11%	20%	14%	5%	5%	6%	1%	8%	0%	64
Kericho	6%	4%	12%	5%	10%	6%	4%	6%	1%	6%	0%	55
Kiambu	26%	8%	23%	32%	24%	10%	9%	12%	2%	16%	2%	64
Kilifi	19%	13%	6%	45%	38%	9%	11%	6%	1%	16%	0%	52
Kirinyaga	5%	12%	13%	32%	39%	6%	6%	9%	9%	15%	0%	29
Kisii	11%	8%	9%	20%	17%	5%	4%	4%	3%	9%	0%	59
Kisumu	16%	17%	16%	48%	40%	19%	19%	16%	10%	22%	4%	44
Kitui	10%	9%	6%	19%	17%	4%	3%	6%	1%	8%	0%	47
Kwale	7%	10%	5%	21%	13%	3%	2%	1%	4%	7%	0%	52
Laikipia	48%	20%	21%	8%	14%	21%	21%	14%	10%	20%	0%	12
Lamu	11%	2%	11%	11%	11%	0%	0%	4%	0%	6%	0%	25
Machakos	20%	10%	15%	23%	22%	16%	9%	6%	0%	14%	0%	51
Makueni	6%	7%	3%	48%	41%	3%	1%	3%	0%	13%	0%	69
Mandera	11%	13%	6%	35%	35%	0%	0%	6%	0%	12%	0%	46
Marsabit	12%	16%	9%	19%	19%	12%	12%	9%	0%	12%	0%	16
Meru	13%	10%	12%	18%	17%	5%	4%	4%	1%	9%	0%	65
Migori	2%	4%	1%	29%	41%	3%	3%	2%	0%	9%	0%	62
Mombasa	27%	16%	19%	29%	33%	18%	18%	13%	1%	19%	0%	57
Murang'a	7%	8%	4%	22%	25%	4%	4%	4%	0%	9%	0%	67
Nairobi	42%	17%	27%	28%	28%	20%	18%	25%	5%	23%	3%	86
Nakuru	25%	10%	15%	27%	31%	7%	6%	8%	3%	15%	0%	76

County	Pulse oximeter	Micronebulizer, beclomethasone, and salbutamol inhaler	Oxygen with tubing, flowmeter, and humidifier	Resuscitation bag and mask (adult)	Resuscitation bag and mask (paediatric)	Adult intubation (Endotracheal tubes, laryngescope, Magill forceps, stylus) with connecting tubes	Paediatric intubation (Endotracheal tubes, laryngescope, Magill forceps, stylus) with connecting tubes	Chest tubes with insertion set	CPAP equipment	Mean availability of items	Percent of facilities with all items	Total number of facilities
Nandi	21%	20%	25%	61%	48%	2%	2%	1%	0%	20%	0%	40
Narok	5%	5%	5%	63%	61%	4%	6%	3%	0%	17%	0%	43
Nyamira	2%	3%	5%	20%	25%	0%	0%	0%	0%	6%	0%	60
Nyandarua	2%	10%	17%	37%	42%	2%	2%	2%	2%	13%	2%	44
Nyeri	10%	15%	12%	12%	12%	3%	3%	3%	3%	8%	0%	39
Samburu	10%	16%	39%	52%	60%	17%	4%	4%	4%	23%	2%	26
Siaya	28%	7%	13%	35%	37%	4%	2%	2%	0%	14%	0%	61
Taita taveta	9%	9%	13%	44%	44%	5%	3%	5%	5%	15%	2%	47
Tana river	5%	3%	0%	6%	12%	5%	5%	2%	2%	4%	0%	34
Tharaka-nithi	5%	13%	7%	10%	10%	2%	2%	3%	2%	6%	2%	49
Trans nzoia	27%	7%	18%	15%	20%	10%	3%	10%	0%	12%	0%	17
Turkana	4%	5%	8%	7%	7%	4%	4%	4%	4%	5%	1%	54
Uasin gishu	14%	13%	16%	27%	28%	5%	5%	7%	0%	13%	0%	53
Vihiga	7%	4%	7%	22%	19%	6%	3%	0%	0%	8%	0%	37
Wajir	15%	0%	3%	30%	36%	4%	4%	3%	0%	11%	0%	37
West pokot	6%	3%	0%	21%	18%	4%	4%	0%	0%	6%	0%	50
Facility type												
Secondary & tertiary hospitals	95%	50%	90%	75%	70%	70%	55%	90%	35%	70%	25%	20
Public primary hospitals	29%	28%	34%	52%	48%	21%	18%	22%	10%	29%	0%	289
Private/ngo/ fbo primary hospitals	77%	36%	72%	69%	67%	57%	51%	59%	19%	56%	10%	78
Health centres	20%	11%	17%	33%	32%	8%	7%	8%	1%	15%	0%	384
Dispensaries	4%	3%	4%	22%	24%	2%	2%	1%	0%	7%	0%	945
Medical clinics	19%	10%	10%	22%	19%	5%	4%	4%	0%	10%	0%	520
Managing authority												
Government	6%	4%	7%	26%	29%	3%	2%	2%	1%	9%	0%	1329
Ngo / fbo	24%	17%	21%	30%	29%	11%	11%	11%	5%	18%	2%	236
Private	26%	14%	17%	28%	24%	12%	10%	11%	2%	16%	1%	671
Urban/rural												
Urban	31%	18%	23%	31%	30%	16%	14%	16%	4%	20%	1%	673
Rural	8%	5%	7%	26%	26%	3%	2%	2%	1%	9%	0%	1563
Total	**16%**	**9%**	**12%**	**27%**	**27%**	**7%**	**6%**	**7%**	**2%**	**13%**	**1%**	**2236**

Annex Table 102: Percentage of facilities that offer emergency cardiac interventions by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Perform pericardiocentesis	Perform external defibrillation andor cardioversion	Perform external cardiac pacing	Administration of adrenaline	Perform and interpret ECG	Administer aspirin for ischemia	Administration of thrombolytics	Total number of facilities
Baringo	1%	1%	1%	49%	1%	16%	1%	63
Bomet	1%	1%	1%	19%	0%	2%	1%	56
Bungoma	4%	1%	0%	79%	2%	19%	7%	67
Busia	2%	0%	1%	62%	0%	8%	2%	56
Elgeyo-marakwet	0%	0%	2%	78%	0%	7%	2%	53
Embu	1%	0%	0%	77%	2%	27%	10%	63
Garissa	1%	1%	1%	46%	2%	10%	0%	59
Homa bay	3%	5%	0%	45%	0%	9%	5%	74
Isiolo	0%	0%	10%	92%	16%	58%	8%	36
Kajiado	0%	5%	3%	47%	6%	8%	3%	67
Kakamega	2%	2%	8%	74%	4%	17%	2%	73
Kericho	2%	2%	0%	55%	6%	11%	9%	63
Kiambu	2%	5%	6%	62%	6%	33%	9%	86
Kilifi	1%	5%	2%	68%	4%	15%	4%	69
Kirinyaga	0%	0%	0%	18%	5%	13%	6%	63
Kisii	2%	2%	0%	57%	5%	22%	5%	75
Kisumu	5%	4%	6%	37%	5%	18%	8%	73
Kitui	0%	0%	0%	33%	0%	21%	0%	75
Kwale	0%	0%	7%	86%	1%	6%	1%	54
Laikipia	0%	1%	0%	16%	4%	9%	3%	58
Lamu	0%	0%	0%	54%	2%	8%	2%	34
Machakos	3%	2%	0%	41%	7%	22%	7%	71
Makueni	0%	0%	5%	85%	3%	23%	4%	73
Mandera	0%	0%	0%	68%	2%	13%	4%	54
Marsabit	0%	0%	0%	25%	4%	5%	0%	48
Meru	0%	1%	1%	52%	5%	17%	2%	83
Migori	0%	0%	0%	50%	2%	22%	5%	69
Mombasa	0%	5%	2%	34%	10%	16%	7%	70
Murang'a	2%	2%	4%	82%	6%	26%	6%	67
Nairobi	3%	6%	8%	75%	19%	30%	12%	89
Nakuru	4%	2%	2%	69%	6%	27%	7%	87
Nandi	1%	1%	0%	57%	0%	8%	3%	62
Narok	2%	2%	2%	61%	2%	16%	2%	59
Nyamira	1%	0%	0%	85%	4%	22%	4%	61
Nyandarua	1%	0%	0%	60%	1%	2%	1%	57

County	Perform pericardiocentesis	Perform external defibrillation andor cardioversion	Perform external cardiac pacing	Administration of adrenaline	Perform and interpret ECG	Administer aspirin for ischemia	Administration of thrombolytics	Total number of facilities
Nyeri	2%	0%	0%	37%	3%	11%	4%	72
Samburu	1%	0%	1%	42%	3%	5%	0%	41
Siaya	5%	4%	7%	66%	4%	28%	5%	69
Taita taveta	0%	1%	0%	89%	2%	9%	0%	49
Tana river	0%	0%	0%	48%	3%	14%	0%	38
Tharaka-nithi	2%	2%	2%	61%	2%	2%	2%	55
Trans nzoia	2%	0%	3%	16%	2%	5%	3%	58
Turkana	1%	1%	1%	49%	5%	9%	1%	61
Uasin gishu	4%	8%	5%	51%	8%	22%	6%	62
Vihiga	0%	0%	0%	66%	1%	30%	6%	45
Wajir	0%	0%	0%	52%	0%	15%	2%	54
West pokot	0%	0%	0%	65%	2%	7%	1%	56
Facility type								
Secondary & tertiary hospitals	45%	60%	45%	100%	85%	90%	70%	20
Public primary hospitals	8%	5%	5%	85%	8%	51%	15%	307
Private/ngo/ fbo primary hospitals	13%	30%	23%	90%	50%	79%	44%	84
Health centres	3%	2%	3%	69%	4%	24%	6%	465
Dispensaries	0%	0%	1%	53%	1%	10%	1%	1261
Medical clinics	1%	2%	2%	50%	5%	15%	4%	790
Managing authority								
Government	1%	1%	1%	57%	1%	14%	2%	1658
Ngo / fbo	1%	3%	2%	58%	7%	19%	6%	323
Private	3%	4%	4%	57%	8%	22%	8%	946
Urban/rural								
Urban	3%	5%	5%	60%	12%	26%	10%	873
Rural	1%	1%	1%	55%	2%	14%	2%	2054
Total	**2%**	**2%**	**2%**	**57%**	**5%**	**18%**	**5%**	**2927**

Annex Table 103: Percentage of facilities that have tracer items for emergency cardiac interventions among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2236), Kenya 2018

County	EKG and capacity for reading results in emergency service area	Aspirin	Defibrillator	Adrenaline	External cardiac pacer	Streptokinase	Mean availability of items	Percent of facilities with all items	Total number of facilities
Baringo	0%	42%	0%	89%	0%	0%	22%	0%	50
Bomet	0%	70%	13%	84%	3%	0%	28%	0%	12
Bungoma	2%	9%	1%	90%	0%	0%	17%	0%	62
Busia	0%	26%	0%	84%	0%	0%	18%	0%	47
Elgeyo-marakwet	0%	50%	0%	88%	0%	0%	23%	0%	50
Embu	1%	58%	1%	91%	0%	0%	25%	0%	58
Garissa	3%	47%	2%	87%	3%	0%	24%	0%	44
Homa bay	0%	58%	2%	91%	0%	9%	27%	0%	41
Isiolo	3%	69%	0%	89%	2%	0%	27%	0%	35
Kajiado	0%	41%	7%	75%	5%	3%	22%	0%	48
Kakamega	0%	40%	4%	93%	2%	2%	23%	0%	64
Kericho	0%	46%	2%	88%	2%	0%	23%	0%	55
Kiambu	3%	74%	5%	89%	0%	0%	29%	0%	64
Kilifi	0%	60%	2%	96%	0%	2%	27%	0%	52
Kirinyaga	0%	36%	0%	78%	0%	4%	20%	0%	29
Kisii	2%	59%	1%	87%	0%	3%	25%	0%	59
Kisumu	6%	68%	4%	69%	3%	6%	26%	3%	44
Kitui	0%	64%	0%	80%	0%	0%	24%	0%	47
Kwale	0%	44%	0%	92%	0%	0%	23%	0%	52
Laikipia	10%	69%	4%	89%	0%	10%	30%	0%	12
Lamu	0%	58%	4%	83%	0%	0%	24%	0%	25
Machakos	2%	55%	0%	87%	0%	0%	24%	0%	51
Makueni	0%	41%	0%	93%	0%	0%	23%	0%	69
Mandera	2%	37%	0%	86%	0%	0%	21%	0%	46
Marsabit	0%	94%	9%	93%	0%	0%	33%	0%	16
Meru	2%	37%	0%	82%	0%	0%	20%	0%	65
Migori	0%	29%	0%	64%	0%	0%	15%	0%	62
Mombasa	4%	48%	10%	81%	5%	0%	25%	0%	57
Murang'a	0%	57%	2%	86%	0%	0%	24%	0%	67
Nairobi	5%	72%	11%	87%	7%	0%	30%	0%	86
Nakuru	0%	56%	3%	87%	3%	4%	25%	0%	76
Nandi	0%	63%	3%	84%	0%	0%	25%	0%	40
Narok	0%	56%	0%	93%	0%	0%	25%	0%	43
Nyamira	0%	58%	0%	84%	0%	0%	24%	0%	60

County	EKG and capacity for reading results in emergency service area	Aspirin	Defibrillator	Adrenaline	External cardiac pacer	Streptokinase	Mean availability of items	Percent of facilities with all items	Total number of facilities
Nyandarua	0%	79%	0%	86%	0%	0%	27%	0%	44
Nyeri	0%	71%	0%	86%	0%	0%	26%	0%	39
Samburu	0%	59%	0%	92%	0%	2%	26%	0%	26
Siaya	2%	49%	1%	86%	3%	0%	24%	0%	61
Taita taveta	0%	80%	2%	100%	0%	3%	31%	0%	47
Tana river	0%	46%	0%	88%	0%	0%	22%	0%	34
Tharaka-nithi	0%	53%	2%	85%	2%	0%	24%	0%	49
Trans nzoia	0%	49%	0%	81%	8%	0%	23%	0%	17
Turkana	1%	9%	1%	71%	1%	0%	14%	0%	54
Uasin gishu	7%	70%	7%	92%	7%	1%	31%	0%	53
Vihiga	1%	71%	0%	74%	0%	6%	25%	0%	37
Wajir	0%	56%	1%	82%	1%	3%	24%	0%	37
West pokot	0%	11%	0%	88%	0%	2%	17%	0%	50
Facility type									
Secondary & tertiary hospitals	35%	90%	65%	100%	35%	25%	58%	15%	20
Public primary hospitals	1%	88%	5%	93%	3%	0%	32%	0%	289
Private/ngo/fbo primary hospitals	17%	92%	35%	98%	22%	9%	46%	1%	78
Health centres	1%	61%	1%	91%	1%	1%	26%	0%	384
Dispensaries	0%	44%	1%	83%	0%	0%	22%	0%	945
Medical clinics	1%	48%	2%	84%	1%	1%	23%	0%	520
Managing authority									
Government	0%	49%	1%	85%	0%	0%	23%	0%	1329
Ngo / fbo	2%	59%	6%	87%	0%	3%	26%	0%	236
Private	3%	54%	5%	86%	4%	1%	26%	0%	671
Urban/rural									
Urban	4%	62%	7%	88%	4%	2%	28%	0%	673
Rural	0%	48%	1%	85%	0%	1%	22%	0%	1563
Total	**1%**	**52%**	**3%**	**86%**	**2%**	**1%**	**24%**	**0%**	**2236**

Annex Table 104: Percentage of facilities that offer emergency control of bleeding interventions by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	External control of haemorrhage	Perform packing and/ or suture control	Apply arterial tourniquet	Apply pelvic binding or sheeting	Ability to perform safe transfusion (including protocols for appropriate ratios for massive transfusion)	Perform and interpret point of care ultrasound	Total number of facilities
Baringo	43%	53%	26%	4%	5%	3%	63
Bomet	6%	15%	13%	1%	3%	2%	56
Bungoma	58%	69%	56%	1%	6%	6%	67
Busia	62%	73%	56%	5%	10%	5%	56
Elgeyo-marakwet	86%	88%	50%	2%	5%	2%	53
Embu	63%	55%	37%	1%	6%	4%	63
Garissa	43%	45%	15%	3%	10%	6%	59
Homa bay	48%	49%	46%	5%	4%	5%	74
Isiolo	95%	95%	83%	27%	10%	6%	36
Kajiado	58%	61%	18%	2%	4%	14%	67
Kakamega	67%	76%	47%	0%	6%	8%	73
Kericho	64%	73%	18%	0%	7%	8%	63
Kiambu	69%	71%	56%	9%	7%	16%	86
Kilifi	65%	66%	38%	13%	1%	11%	69
Kirinyaga	32%	33%	7%	0%	2%	5%	63
Kisii	31%	34%	35%	1%	9%	5%	75
Kisumu	38%	36%	26%	6%	7%	5%	73
Kitui	33%	36%	20%	4%	2%	3%	75
Kwale	82%	84%	42%	2%	1%	7%	54
Laikipia	11%	14%	11%	2%	5%	4%	58
Lamu	51%	51%	27%	0%	3%	7%	34
Machakos	53%	54%	31%	8%	6%	10%	71
Makueni	91%	92%	74%	2%	6%	5%	73
Mandera	78%	74%	33%	0%	16%	9%	54
Marsabit	27%	23%	6%	3%	5%	7%	48
Meru	40%	42%	22%	4%	2%	7%	83
Migori	51%	57%	36%	3%	6%	2%	69
Mombasa	74%	72%	29%	21%	15%	15%	70
Murang'a	34%	61%	17%	4%	7%	10%	67
Nairobi	68%	70%	28%	13%	26%	39%	89
Nakuru	61%	72%	48%	21%	12%	15%	87
Nandi	56%	59%	42%	1%	2%	6%	62
Narok	49%	47%	15%	9%	5%	6%	59
Nyamira	82%	93%	10%	2%	5%	6%	61

County	External control of haemorrhage	Perform packing and/ or suture control	Apply arterial tourniquet	Apply pelvic binding or sheeting	Ability to perform safe transfusion (including protocols for appropriate ratios for massive transfusion)	Perform and interpret point of care ultrasound	Total number of facilities
Nyandarua	40%	22%	5%	0%	2%	2%	57
Nyeri	47%	46%	24%	3%	5%	6%	72
Samburu	52%	55%	50%	12%	5%	3%	41
Siaya	75%	75%	53%	5%	6%	7%	69
Taita taveta	89%	87%	21%	4%	8%	6%	49
Tana river	56%	60%	45%	8%	6%	3%	38
Tharaka-nithi	66%	36%	40%	0%	5%	5%	55
Trans nzoia	16%	10%	9%	1%	1%	2%	58
Turkana	61%	58%	18%	3%	2%	1%	61
Uasin gishu	64%	59%	27%	5%	8%	9%	62
Vihiga	55%	66%	24%	8%	3%	6%	45
Wajir	26%	40%	12%	4%	4%	4%	54
West pokot	31%	47%	24%	3%	2%	4%	56
Facility type							
Secondary & tertiary hospitals	100%	95%	85%	80%	85%	85%	20
Public primary hospitals	87%	89%	69%	19%	43%	30%	307
Private/ngo/ fbo primary hospitals	93%	93%	72%	36%	67%	69%	84
Health centres	69%	72%	41%	9%	10%	14%	465
Dispensaries	49%	53%	27%	2%	1%	2%	1261
Medical clinics	49%	51%	27%	5%	3%	9%	790
Managing authority							
Government	54%	57%	30%	3%	4%	2%	1658
Ngo / fbo	57%	59%	36%	7%	10%	16%	323
Private	56%	58%	33%	9%	10%	16%	946
Urban/rural							
Urban	61%	62%	37%	11%	15%	23%	873
Rural	52%	55%	30%	3%	3%	3%	2054
Total	**55%**	**58%**	**32%**	**6%**	**7%**	**9%**	**2927**

Annex Table 105: Percentage of facilities that have tracer items for emergency control of bleeding interventions among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2236), Kenya 2018

County	Tourniquet	Total number of facilities
Baringo	11%	50
Bomet	13%	12
Bungoma	15%	62
Busia	16%	47
Elgeyo-marakwet	15%	50
Embu	0%	58
Garissa	1%	44
Homa bay	13%	41
Isiolo	6%	35
Kajiado	9%	48
Kakamega	8%	64
Kericho	4%	55
Kiambu	8%	64
Kilifi	19%	52
Kirinyaga	4%	29
Kisii	11%	59
Kisumu	13%	44
Kitui	8%	47
Kwale	4%	52
Laikipia	21%	12
Lamu	4%	25
Machakos	9%	51
Makueni	3%	69
Mandera	18%	46
Marsabit	39%	16
Meru	6%	65
Migori	29%	62
Mombasa	12%	57
Murang'a	6%	67
Nairobi	16%	86
Nakuru	24%	76
Nandi	48%	40
Narok	46%	43
Nyamira	4%	60
Nyandarua	16%	44
Nyeri	3%	39
Samburu	55%	26
Siaya	7%	61
Taita taveta	32%	47

County	Tourniquet	Total number of facilities
Tana river	6%	34
Tharaka-nithi	3%	49
Trans nzoia	18%	17
Turkana	5%	54
Uasin gishu	8%	53
Vihiga	3%	37
Wajir	36%	37
West pokot	1%	50
Facility type		
Secondary & tertiary hospitals	40%	20
Public primary hospitals	25%	289
Private/ngo/fbo primary hospitals	48%	78
Health centres	15%	384
Dispensaries	9%	945
Medical clinics	8%	520
Managing authority		
Government	12%	1329
Ngo / fbo	12%	236
Private	13%	671
Urban/rural		
Urban	16%	673
Rural	11%	1563
Total	**12%**	**2236**

Annex Table 106: Percentage of facilities that offer emergency volume resuscitation interventions by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Administer oral rehydration	Adjust fluid resuscitation for malnutrition or severe anaemia	Place peripheral IV access	Establish intraosseous access	Perform venous cutdown	Establish central venous access	Administration of IV fluids	Place urinary catheter	Total number of facilities
Baringo	75%	61%	4%	2%	3%	73%	27%	33%	63
Bomet	21%	12%	1%	1%	1%	19%	4%	17%	56
Bungoma	72%	72%	17%	6%	9%	87%	54%	52%	67
Busia	71%	72%	15%	5%	3%	76%	24%	53%	56
Elgeyo-marakwet	88%	84%	2%	3%	1%	84%	11%	35%	53
Embu	76%	51%	6%	1%	2%	67%	27%	41%	63
Garissa	52%	46%	4%	3%	3%	71%	34%	51%	59
Homa bay	50%	50%	12%	6%	8%	50%	47%	47%	74
Isiolo	94%	91%	8%	3%	8%	96%	45%	95%	36
Kajiado	66%	57%	5%	4%	5%	65%	33%	42%	67
Kakamega	82%	70%	5%	8%	8%	76%	43%	62%	73
Kericho	74%	73%	4%	4%	6%	74%	51%	36%	63
Kiambu	67%	67%	14%	9%	6%	69%	38%	46%	86
Kilifi	64%	52%	8%	5%	9%	70%	31%	59%	69
Kirinyaga	28%	30%	4%	5%	0%	37%	13%	18%	63
Kisii	66%	39%	8%	7%	10%	63%	33%	39%	75
Kisumu	38%	37%	15%	10%	11%	40%	32%	30%	73
Kitui	36%	34%	4%	1%	4%	40%	16%	35%	75
Kwale	86%	90%	2%	1%	3%	90%	18%	74%	54
Laikipia	17%	14%	1%	3%	1%	18%	12%	14%	58
Lamu	57%	45%	11%	2%	17%	54%	14%	30%	34
Machakos	53%	47%	5%	2%	4%	62%	24%	36%	71
Makueni	89%	53%	6%	3%	4%	89%	23%	73%	73
Mandera	78%	68%	8%	0%	1%	80%	49%	62%	54
Marsabit	25%	20%	0%	4%	3%	19%	4%	25%	48
Meru	60%	51%	3%	1%	1%	48%	21%	40%	83
Migori	65%	57%	4%	2%	3%	71%	31%	63%	69
Mombasa	75%	69%	13%	7%	7%	74%	57%	52%	70
Murang'a	93%	22%	7%	4%	8%	63%	20%	40%	67
Nairobi	87%	67%	31%	17%	18%	79%	61%	65%	89
Nakuru	77%	50%	11%	11%	11%	77%	56%	44%	87
Nandi	57%	62%	1%	1%	1%	56%	27%	51%	62
Narok	66%	59%	13%	8%	8%	66%	31%	57%	59
Nyamira	89%	59%	8%	4%	3%	88%	49%	66%	61
Nyandarua	68%	51%	2%	1%	0%	58%	3%	29%	57

County	Administer oral rehydration	Adjust fluid resuscitation for malnutrition or severe anaemia	Place peripheral IV access	Establish intraosseous access	Perform venous cutdown	Establish central venous access	Administration of IV fluids	Place urinary catheter	Total number of facilities
Nyeri	37%	25%	7%	4%	4%	30%	19%	25%	72
Samburu	50%	32%	5%	5%	25%	52%	40%	52%	41
Siaya	72%	62%	14%	7%	9%	81%	58%	66%	69
Taita taveta	91%	81%	5%	1%	3%	96%	31%	81%	49
Tana river	67%	70%	2%	2%	3%	73%	48%	62%	38
Tharaka-nithi	79%	55%	3%	3%	2%	62%	12%	15%	55
Trans nzoia	12%	12%	4%	3%	3%	16%	6%	12%	58
Turkana	78%	59%	19%	10%	4%	78%	57%	40%	61
Uasin gishu	65%	49%	11%	7%	9%	76%	29%	51%	62
Vihiga	60%	58%	2%	5%	2%	68%	25%	55%	45
Wajir	49%	43%	3%	2%	0%	52%	35%	48%	54
West pokot	82%	58%	2%	1%	7%	74%	37%	30%	56
Facility type									
Secondary & tertiary hospitals	95%	100%	75%	55%	55%	100%	95%	100%	20
Public primary hospitals	88%	84%	30%	20%	21%	91%	74%	90%	307
Private/ngo/ fbo primary hospitals	93%	93%	59%	52%	47%	94%	91%	91%	84
Health centres	74%	65%	11%	8%	8%	77%	46%	66%	465
Dispensaries	63%	48%	4%	2%	3%	62%	25%	37%	1261
Medical clinics	58%	47%	7%	3%	3%	56%	30%	38%	790
Managing authority									
Government	66%	53%	6%	3%	4%	67%	30%	44%	1658
Ngo / fbo	65%	57%	15%	9%	10%	66%	41%	48%	323
Private	64%	52%	11%	8%	8%	61%	36%	47%	946
Urban/rural									
Urban	68%	58%	17%	11%	11%	68%	45%	53%	873
Rural	64%	50%	5%	3%	4%	63%	28%	42%	2054
Total	**65%**	**53%**	**9%**	**5%**	**6%**	**64%**	**34%**	**46%**	**2927**

Annex Table 107: Percentage of facilities that have tracer items for emergency volume resuscitation interventions among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2236), Kenya 2018

County	Oral rehydration salts	Intravenous for volume replacement (0.9% or RL), with infusion set	Urinary catheter	Device for intraosseous injection	Mean availability of items	Percent of facilities with all items	Total number of facilities
Baringo	91%	58%	14%	0%	41%	0%	50
Bomet	100%	76%	21%	0%	49%	0%	12
Bungoma	72%	73%	15%	1%	40%	0%	62
Busia	94%	75%	25%	7%	50%	4%	47
Elgeyo-marakwet	98%	54%	21%	0%	43%	0%	50
Embu	89%	50%	2%	0%	35%	0%	58
Garissa	69%	71%	6%	1%	37%	0%	44
Homa bay	99%	88%	21%	0%	52%	0%	41
Isiolo	97%	91%	16%	6%	52%	4%	35
Kajiado	75%	78%	19%	0%	43%	0%	48
Kakamega	80%	75%	8%	2%	41%	0%	64
Kericho	80%	60%	6%	1%	37%	1%	55
Kiambu	84%	67%	14%	7%	43%	3%	64
Kilifi	80%	84%	27%	10%	50%	3%	52
Kirinyaga	85%	30%	4%	9%	32%	0%	29
Kisii	82%	82%	10%	1%	44%	0%	59
Kisumu	82%	69%	30%	9%	47%	6%	44
Kitui	97%	93%	16%	0%	52%	0%	47
Kwale	90%	72%	6%	0%	42%	0%	52
Laikipia	90%	90%	21%	0%	50%	0%	12
Lamu	92%	47%	11%	0%	37%	0%	25
Machakos	72%	72%	9%	0%	38%	0%	51
Makueni	93%	53%	34%	0%	45%	0%	69
Mandera	86%	82%	18%	1%	47%	0%	46
Marsabit	100%	86%	39%	0%	56%	0%	16
Meru	73%	46%	10%	3%	33%	2%	65
Migori	81%	62%	33%	0%	44%	0%	62
Mombasa	83%	91%	13%	5%	48%	0%	57
Murang'a	95%	63%	7%	0%	41%	0%	67
Nairobi	88%	80%	14%	4%	46%	0%	86
Nakuru	80%	75%	27%	4%	46%	4%	76
Nandi	92%	89%	42%	0%	56%	0%	40
Narok	98%	61%	54%	0%	53%	0%	43
Nyamira	85%	79%	6%	0%	42%	0%	60
Nyandarua	95%	45%	23%	2%	41%	2%	44

County	Oral rehydration salts	Intravenous for volume replacement (0.9% or RL), with infusion set	Urinary catheter	Device for intraosseous injection	Mean availability of items	Percent of facilities with all items	Total number of facilities
Nyeri	82%	66%	6%	3%	39%	0%	39
Samburu	84%	80%	72%	4%	60%	4%	26
Siaya	79%	85%	20%	0%	46%	0%	61
Taita taveta	98%	91%	32%	0%	55%	0%	47
Tana river	92%	79%	9%	2%	45%	0%	34
Tharaka-nithi	83%	64%	3%	2%	38%	2%	49
Trans nzoia	62%	58%	28%	0%	37%	0%	17
Turkana	94%	90%	7%	11%	51%	1%	54
Uasin gishu	90%	74%	11%	0%	44%	0%	53
Vihiga	88%	68%	11%	1%	42%	1%	37
Wajir	85%	34%	32%	0%	38%	0%	37
West pokot	92%	40%	3%	0%	34%	0%	50
Facility type							
Secondary & tertiary hospitals	100%	100%	30%	50%	70%	20%	20
Public primary hospitals	92%	84%	33%	8%	54%	3%	289
Private/ngo/ fbo primary hospitals	93%	97%	53%	23%	66%	11%	78
Health centres	89%	79%	19%	3%	48%	1%	384
Dispensaries	88%	62%	15%	1%	41%	0%	945
Medical clinics	78%	71%	11%	1%	40%	0%	520
Managing authority							
Government	88%	65%	18%	1%	43%	0%	1329
Ngo / fbo	91%	78%	15%	4%	47%	1%	236
Private	80%	74%	16%	4%	44%	2%	671
Urban/rural							
Urban	81%	78%	18%	5%	46%	2%	673
Rural	88%	66%	16%	1%	43%	0%	1563
Total	**85%**	**70%**	**17%**	**3%**	**44%**	**1%**	**2236**

Annex Table 108: Percentage of facilities that offer emergency injury specific interventions by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Immobilize the cervical spine	Apply three-way dressing for sucking chest wound	Perform fasciotomy or escharotomy for compartment syndrome	Administer opiate analgesia	Immobilize fractures	Perform closed reduction of fracture or dislocation	Administer antibiotics for open fracture	Perform appropriate initial wound care	Administer tetanus vaccination or IVIG as appropriate	Administer rabies vaccine or IVIG as appropriate	Total number of facilities
Baringo	4%	5%	2%	3%	16%	4%	44%	65%	65%	38%	63
Bomet	1%	11%	1%	1%	1%	3%	16%	19%	16%	10%	56
Bungoma	12%	7%	2%	15%	31%	8%	49%	80%	80%	16%	67
Busia	18%	6%	0%	11%	64%	7%	45%	75%	68%	18%	56
Elgeyo-marakwet	2%	1%	1%	6%	66%	3%	40%	88%	88%	35%	53
Embu	5%	4%	2%	9%	49%	8%	70%	81%	66%	16%	63
Garissa	5%	3%	4%	4%	9%	3%	17%	45%	48%	3%	59
Homa bay	5%	2%	0%	8%	7%	3%	47%	49%	50%	9%	74
Isiolo	21%	19%	4%	15%	94%	15%	87%	88%	94%	54%	36
Kajiado	5%	2%	2%	20%	25%	12%	26%	39%	58%	20%	67
Kakamega	4%	9%	4%	18%	40%	11%	60%	76%	69%	31%	73
Kericho	15%	2%	4%	11%	31%	7%	49%	78%	78%	21%	63
Kiambu	20%	19%	11%	24%	59%	19%	56%	71%	69%	37%	86
Kilifi	16%	13%	0%	6%	51%	19%	34%	59%	58%	24%	69
Kirinyaga	6%	2%	6%	8%	12%	11%	11%	17%	27%	13%	63
Kisii	8%	4%	2%	10%	28%	11%	23%	47%	25%	14%	75
Kisumu	8%	8%	5%	9%	17%	7%	22%	34%	34%	19%	73
Kitui	5%	4%	2%	5%	18%	5%	23%	27%	27%	21%	75
Kwale	3%	0%	2%	7%	55%	5%	54%	78%	65%	29%	54
Laikipia	3%	2%	1%	7%	11%	4%	9%	15%	16%	4%	58
Lamu	4%	2%	0%	4%	20%	2%	30%	45%	39%	17%	34
Machakos	7%	8%	3%	11%	26%	14%	32%	48%	59%	26%	71
Makueni	6%	1%	3%	5%	26%	6%	75%	92%	83%	18%	73
Mandera	3%	1%	0%	18%	11%	3%	28%	68%	78%	10%	54
Marsabit	10%	4%	3%	7%	12%	5%	16%	25%	23%	10%	48
Meru	8%	10%	0%	3%	20%	12%	27%	59%	52%	16%	83
Migori	5%	2%	0%	5%	26%	5%	45%	56%	61%	14%	69
Mombasa	13%	12%	10%	12%	22%	12%	54%	77%	70%	21%	70
Murang'a	10%	7%	2%	7%	61%	13%	53%	97%	90%	36%	67
Nairobi	14%	22%	8%	30%	43%	18%	62%	83%	84%	47%	89
Nakuru	20%	22%	8%	21%	36%	17%	40%	71%	71%	25%	87
Nandi	4%	2%	1%	8%	56%	4%	57%	62%	58%	49%	62
Narok	12%	18%	2%	6%	44%	13%	62%	66%	68%	31%	59

County	Immobilize the cervical spine	Apply three-way dressing for sucking chest wound	Perform fasciotomy or escharotomy for compartment syndrome	Administer opiate analgesia	Immobilize fractures	Perform closed reduction of fracture or dislocation	Administer antibiotics for open fracture	Perform appropriate initial wound care	Administer tetanus vaccination or IVIG as appropriate	Administer rabies vaccine or IVIG as appropriate	Total number of facilities
Nyamira	6%	1%	2%	7%	56%	7%	37%	93%	95%	28%	61
Nyandarua	1%	0%	0%	4%	22%	2%	11%	47%	45%	9%	57
Nyeri	4%	4%	2%	9%	34%	4%	15%	47%	37%	11%	72
Samburu	8%	5%	3%	7%	22%	14%	30%	45%	55%	35%	41
Siaya	12%	8%	4%	18%	42%	18%	58%	81%	76%	31%	69
Taita taveta	9%	2%	0%	14%	31%	12%	68%	89%	89%	36%	49
Tana river	6%	3%	0%	21%	36%	6%	47%	75%	75%	19%	38
Tharaka-nithi	3%	2%	2%	5%	32%	9%	32%	43%	68%	9%	55
Trans nzoia	0%	0%	0%	7%	3%	1%	7%	14%	13%	4%	58
Turkana	1%	1%	1%	1%	26%	39%	59%	68%	66%	33%	61
Uasin gishu	12%	8%	4%	19%	41%	16%	46%	68%	71%	36%	62
Vihiga	10%	8%	0%	11%	39%	14%	40%	70%	77%	27%	45
Wajir	11%	0%	0%	6%	13%	3%	38%	37%	43%	13%	54
West pokot	2%	3%	0%	6%	2%	5%	37%	53%	67%	10%	56
Facility type											
Secondary & tertiary hospitals	80%	65%	70%	95%	95%	90%	100%	100%	100%	90%	20
Public primary hospitals	39%	21%	9%	45%	74%	41%	79%	90%	88%	64%	307
Private/ngo/ fbo primary hospitals	63%	48%	43%	64%	78%	69%	85%	93%	93%	77%	84
Health centres	10%	11%	5%	16%	39%	12%	49%	71%	73%	30%	465
Dispensaries	3%	3%	0%	3%	25%	5%	36%	59%	60%	13%	1261
Medical clinics	7%	7%	1%	12%	30%	9%	37%	55%	51%	26%	790
Managing authority											
Government	5%	4%	2%	6%	30%	7%	39%	62%	63%	17%	1658
Ngo / fbo	11%	9%	5%	15%	32%	12%	44%	64%	66%	28%	323
Private	12%	12%	5%	17%	36%	15%	44%	61%	57%	32%	946
Urban/rural											
Urban	15%	15%	7%	22%	39%	19%	48%	67%	65%	35%	873
Rural	6%	5%	1%	6%	29%	6%	38%	59%	59%	18%	2054
Total	**9%**	**8%**	**3%**	**12%**	**33%**	**11%**	**42%**	**62%**	**61%**	**24%**	**2927**

Annex Table 109: Percentage of facilities that have tracer items for emergency injury specific interventions among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2236), Kenya 2018

County	Splints, cast materials	Tetanus vaccine	Rabies vaccine	Cervical collar	Morphine or other opiate for pain	Mean availability of items	Percent of facilities with all items	Total number of facilities
Baringo	23%	68%	24%	1%	2%	23%	0%	50
Bomet	26%	62%	24%	0%	13%	25%	0%	12
Bungoma	3%	66%	2%	1%	9%	16%	0%	62
Busia	9%	70%	6%	0%	16%	20%	0%	47
Elgeyo-marakwet	3%	44%	2%	0%	5%	11%	0%	50
Embu	4%	57%	3%	1%	7%	15%	0%	58
Garissa	1%	59%	1%	1%	22%	17%	0%	44
Homa bay	0%	73%	4%	4%	19%	20%	0%	41
Isiolo	8%	76%	21%	6%	4%	23%	2%	35
Kajiado	6%	45%	3%	0%	8%	12%	0%	48
Kakamega	6%	59%	11%	2%	15%	19%	0%	64
Kericho	4%	62%	6%	5%	7%	17%	0%	55
Kiambu	9%	24%	2%	5%	19%	12%	0%	64
Kilifi	21%	48%	7%	5%	17%	19%	0%	52
Kirinyaga	24%	72%	13%	9%	17%	27%	0%	29
Kisii	7%	71%	3%	1%	15%	19%	0%	59
Kisumu	9%	73%	11%	10%	19%	24%	0%	44
Kitui	6%	71%	36%	1%	20%	27%	1%	47
Kwale	5%	56%	10%	1%	4%	15%	0%	52
Laikipia	21%	100%	7%	10%	38%	35%	0%	12
Lamu	7%	53%	13%	4%	17%	19%	0%	25
Machakos	6%	36%	7%	3%	15%	14%	0%	51
Makueni	8%	52%	4%	1%	4%	14%	0%	69
Mandera	8%	40%	5%	1%	16%	14%	0%	46
Marsabit	26%	36%	6%	0%	22%	18%	0%	16
Meru	9%	44%	7%	2%	7%	14%	0%	65
Migori	6%	58%	0%	2%	10%	15%	0%	62
Mombasa	10%	22%	2%	2%	21%	11%	0%	57
Murang'a	4%	58%	12%	4%	9%	17%	2%	67
Nairobi	6%	44%	15%	6%	39%	22%	2%	86
Nakuru	11%	50%	12%	3%	22%	20%	0%	76
Nandi	11%	54%	17%	1%	12%	19%	0%	40
Narok	11%	43%	4%	2%	18%	16%	2%	43
Nyamira	1%	63%	2%	1%	6%	15%	0%	60
Nyandarua	3%	57%	5%	2%	6%	14%	0%	44
Nyeri	11%	43%	3%	9%	15%	16%	0%	39
Samburu	31%	37%	27%	4%	19%	24%	2%	26

County	Splints, cast materials	Tetanus vaccine	Rabies vaccine	Cervical collar	Morphine or other opiate for pain	Mean availability of items	Percent of facilities with all items	Total number of facilities
Siaya	3%	57%	1%	0%	20%	16%	0%	61
Taita taveta	6%	69%	22%	3%	7%	22%	0%	47
Tana river	0%	48%	13%	3%	11%	15%	0%	34
Tharaka-nithi	6%	66%	6%	2%	10%	18%	2%	49
Trans nzoia	5%	48%	8%	0%	22%	16%	0%	17
Turkana	6%	32%	16%	4%	4%	12%	1%	54
Uasin gishu	10%	68%	2%	5%	16%	20%	0%	53
Vihiga	1%	69%	26%	0%	21%	24%	0%	37
Wajir	3%	40%	11%	0%	17%	14%	0%	37
West pokot	2%	57%	1%	1%	10%	14%	0%	50
Facility type								
Secondary & tertiary hospitals	80%	80%	15%	55%	100%	66%	10%	20
Public primary hospitals	36%	95%	22%	11%	59%	45%	2%	289
Private/ngo/fbo primary hospitals	44%	47%	16%	32%	90%	46%	7%	78
Health centres	8%	62%	11%	3%	20%	21%	0%	384
Dispensaries	2%	68%	8%	0%	3%	16%	0%	945
Medical clinics	6%	17%	5%	1%	13%	9%	0%	520
Managing authority								
Government	5%	74%	9%	1%	8%	20%	0%	1329
Ngo / fbo	11%	57%	16%	6%	20%	22%	2%	236
Private	9%	21%	5%	4%	23%	13%	0%	671
Urban/rural								
Urban	13%	36%	9%	6%	30%	19%	1%	673
Rural	5%	60%	9%	2%	8%	17%	0%	1563
Total	**8%**	**52%**	**9%**	**3%**	**15%**	**17%**	**0%**	**2236**

Annex Table 110: Percentage of facilities that offer emergency sepsis interventions by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Administration of IV antibiotics	Administration of IV vasopressors	Perform diagnostic paracentesis	Bedside minor surgical techniques for source control (e.g., abscess)	Total number of facilities
Baringo	65%	8%	7%	24%	63
Bomet	21%	1%	3%	16%	56
Bungoma	87%	38%	8%	59%	67
Busia	72%	7%	9%	73%	56
Elgeyo-marakwet	92%	15%	2%	67%	53
Embu	76%	15%	7%	56%	63
Garissa	58%	8%	6%	38%	59
Homa bay	49%	10%	10%	49%	74
Isiolo	95%	31%	21%	94%	36
Kajiado	55%	16%	10%	45%	67
Kakamega	75%	29%	15%	56%	73
Kericho	71%	31%	7%	49%	63
Kiambu	68%	26%	14%	61%	86
Kilifi	66%	16%	9%	58%	69
Kirinyaga	38%	8%	6%	32%	63
Kisii	62%	20%	6%	53%	75
Kisumu	39%	16%	13%	24%	73
Kitui	37%	11%	8%	22%	75
Kwale	90%	25%	3%	86%	54
Laikipia	18%	3%	1%	16%	58
Lamu	54%	13%	5%	54%	34
Machakos	46%	12%	5%	36%	71
Makueni	94%	16%	3%	72%	73
Mandera	82%	17%	2%	54%	54
Marsabit	27%	6%	4%	23%	48
Meru	63%	6%	4%	49%	83
Migori	68%	27%	13%	54%	69
Mombasa	75%	11%	7%	66%	70
Murang'a	90%	12%	10%	47%	67
Nairobi	86%	28%	18%	48%	89
Nakuru	73%	14%	10%	53%	87
Nandi	60%	17%	1%	54%	62
Narok	66%	27%	6%	57%	59
Nyamira	97%	26%	3%	81%	61
Nyandarua	71%	7%	2%	35%	57
Nyeri	41%	12%	4%	37%	72
Samburu	62%	40%	8%	55%	41

County	Administration of IV antibiotics	Administration of IV vasopressors	Perform diagnostic paracentesis	Bedside minor surgical techniques for source control (e.g., abscess)	Total number of facilities
Siaya	81%	41%	15%	72%	69
Taita taveta	96%	15%	8%	63%	49
Tana river	70%	10%	3%	58%	38
Tharaka-nithi	68%	6%	2%	30%	55
Trans nzoia	16%	4%	1%	11%	58
Turkana	82%	6%	4%	13%	61
Uasin gishu	76%	23%	12%	39%	62
Vihiga	75%	22%	8%	53%	45
Wajir	52%	24%	2%	49%	54
West pokot	66%	8%	4%	59%	56
Facility type					
Secondary & tertiary hospitals	100%	90%	85%	95%	20
Public primary hospitals	91%	57%	38%	85%	307
Private/ngo/fbo primary hospitals	94%	69%	57%	92%	84
Health centres	77%	26%	9%	61%	465
Dispensaries	62%	9%	3%	41%	1261
Medical clinics	60%	14%	6%	43%	790
Managing authority					
Government	66%	13%	5%	46%	1658
Ngo / fbo	65%	20%	11%	50%	323
Private	66%	21%	11%	50%	946
Urban/rural					
Urban	69%	24%	15%	53%	873
Rural	64%	14%	5%	46%	2054
Total	**66%**	**17%**	**8%**	**48%**	**2927**

Annex Table 111: Percentage of facilities that have tracer items for emergency sepsis interventions among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2236), Kenya 2018

County	Vasopressor (dopamine)	Antibiotics for sepsis	Mean availability of items	Percent of facilities with all items	Total number of facilities
Baringo	0%	44%	22%	0%	50
Bomet	8%	84%	46%	8%	12
Bungoma	1%	32%	16%	1%	62
Busia	2%	57%	29%	2%	47
Elgeyo-marakwet	0%	17%	8%	0%	50
Embu	2%	86%	44%	2%	58
Garissa	4%	59%	32%	4%	44
Homa bay	3%	68%	35%	0%	41
Isiolo	0%	57%	29%	0%	35
Kajiado	5%	55%	30%	5%	48
Kakamega	2%	66%	34%	2%	64
Kericho	1%	48%	25%	1%	55
Kiambu	0%	86%	43%	0%	64
Kilifi	2%	82%	42%	2%	52
Kirinyaga	4%	63%	33%	4%	29
Kisii	0%	68%	34%	0%	59
Kisumu	10%	86%	48%	7%	44
Kitui	1%	87%	44%	1%	47
Kwale	3%	94%	48%	3%	52
Laikipia	0%	48%	24%	0%	12
Lamu	2%	77%	40%	2%	25
Machakos	0%	74%	37%	0%	51
Makueni	2%	58%	30%	2%	69
Mandera	4%	67%	36%	4%	46
Marsabit	3%	90%	47%	3%	16
Meru	1%	60%	31%	1%	65
Migori	3%	54%	28%	3%	62
Mombasa	3%	84%	43%	3%	57
Murang'a	0%	45%	23%	0%	67
Nairobi	3%	90%	46%	3%	86
Nakuru	13%	67%	40%	13%	76
Nandi	0%	88%	44%	0%	40
Narok	1%	94%	47%	1%	43
Nyamira	2%	64%	33%	2%	60
Nyandarua	4%	81%	43%	2%	44
Nyeri	5%	67%	36%	4%	39
Samburu	10%	84%	47%	10%	26
Siaya	2%	58%	30%	2%	61

County	Vasopressor (dopamine)	Antibiotics for sepsis	Mean availability of items	Percent of facilities with all items	Total number of facilities
Taita taveta	0%	90%	45%	0%	47
Tana river	3%	43%	23%	3%	34
Tharaka-nithi	0%	62%	31%	0%	49
Trans nzoia	3%	77%	40%	3%	17
Turkana	3%	63%	33%	3%	54
Uasin gishu	9%	60%	34%	9%	53
Vihiga	6%	79%	42%	6%	37
Wajir	0%	34%	17%	0%	37
West pokot	0%	69%	34%	0%	50
Facility type					
Secondary & tertiary hospitals	70%	95%	83%	65%	20
Public primary hospitals	5%	87%	46%	5%	289
Private/ngo/fbo primary hospitals	27%	95%	61%	26%	78
Health centres	3%	74%	38%	2%	384
Dispensaries	0%	55%	28%	0%	945
Medical clinics	2%	78%	40%	2%	520
Managing authority					
Government	1%	56%	28%	1%	1329
Ngo / fbo	5%	81%	43%	4%	236
Private	5%	81%	43%	4%	671
Urban/rural					
Urban	6%	82%	44%	5%	673
Rural	1%	61%	31%	1%	1563
Total	**3%**	**68%**	**36%**	**3%**	**2236**

Annex Table 112: Percentage of facilities that offer emergency seizure interventions by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Protect from secondary injury	Administer benzodiazepine	Administer IV magnesium for pregnant patient	Administer locally appropriate antidote for narcotic overdose	Total number of facilities
Baringo	13%	18%	36%	8%	63
Bomet	3%	14%	2%	1%	56
Bungoma	47%	28%	52%	6%	67
Busia	62%	41%	46%	3%	56
Elgeyo-marakwet	49%	18%	28%	4%	53
Embu	58%	42%	19%	2%	63
Garissa	11%	18%	38%	4%	59
Homa bay	44%	43%	18%	9%	74
Isiolo	84%	74%	81%	12%	36
Kajiado	15%	16%	24%	7%	67
Kakamega	27%	39%	39%	11%	73
Kericho	43%	45%	21%	12%	63
Kiambu	63%	42%	20%	18%	86
Kilifi	41%	34%	45%	7%	69
Kirinyaga	25%	17%	13%	2%	63
Kisii	35%	27%	33%	10%	75
Kisumu	27%	19%	32%	9%	73
Kitui	17%	13%	23%	9%	75
Kwale	24%	71%	53%	2%	54
Laikipia	13%	9%	13%	4%	58
Lamu	30%	7%	36%	0%	34
Machakos	20%	18%	15%	6%	71
Makueni	79%	23%	47%	4%	73
Mandera	30%	23%	44%	0%	54
Marsabit	6%	4%	12%	5%	48
Meru	26%	47%	9%	1%	83
Migori	35%	27%	41%	11%	69
Mombasa	53%	16%	26%	11%	70
Murang'a	58%	75%	12%	11%	67
Nairobi	63%	45%	33%	19%	89
Nakuru	40%	45%	35%	17%	87
Nandi	6%	4%	17%	1%	62
Narok	45%	44%	43%	8%	59
Nyamira	44%	27%	41%	7%	61
Nyandarua	29%	23%	25%	6%	57
Nyeri	21%	18%	7%	4%	72
Samburu	19%	20%	40%	9%	41

County	Protect from secondary injury	Administer benzodiazepine	Administer IV magnesium for pregnant patient	Administer locally appropriate antidote for narcotic overdose	Total number of facilities
Siaya	66%	57%	60%	18%	69
Taita taveta	57%	27%	30%	0%	49
Tana river	48%	34%	36%	3%	38
Tharaka-nithi	41%	15%	11%	3%	55
Trans nzoia	7%	12%	6%	5%	58
Turkana	7%	3%	44%	5%	61
Uasin gishu	37%	34%	29%	18%	62
Vihiga	31%	27%	45%	6%	45
Wajir	15%	24%	37%	6%	54
West pokot	9%	10%	22%	5%	56
Facility type					
Secondary & tertiary hospitals	95%	90%	75%	55%	20
Public primary hospitals	77%	73%	74%	31%	307
Private/ngo/ fbo primary hospitals	81%	82%	78%	57%	84
Health centres	44%	39%	52%	13%	465
Dispensaries	30%	21%	25%	3%	1261
Medical clinics	35%	30%	12%	6%	790
Managing authority					
Government	33%	26%	34%	6%	1658
Ngo / fbo	43%	34%	30%	10%	323
Private	40%	36%	21%	11%	946
Urban/rural					
Urban	45%	38%	29%	15%	873
Rural	33%	28%	28%	6%	2054
Total	**37%**	**31%**	**28%**	**9%**	**2927**

Annex Table 113: Percentage of facilities that offer emergency unconscious patient interventions by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Check glucose level	Administer glucose for hypoglycemia	Administer insulin for hyperglycemia	Perform lumbar puncture	Total number of facilities
Baringo	30%	27%	14%	3%	63
Bomet	17%	17%	16%	3%	56
Bungoma	49%	58%	23%	4%	67
Busia	60%	68%	23%	7%	56
Elgeyo-marakwet	43%	69%	23%	1%	53
Embu	61%	62%	19%	9%	63
Garissa	45%	51%	34%	3%	59
Homa bay	22%	45%	9%	10%	74
Isiolo	78%	95%	44%	10%	36
Kajiado	55%	53%	7%	4%	67
Kakamega	52%	59%	26%	8%	73
Kericho	50%	45%	31%	6%	63
Kiambu	64%	65%	44%	16%	86
Kilifi	58%	66%	44%	4%	69
Kirinyaga	38%	35%	22%	10%	63
Kisii	49%	46%	28%	9%	75
Kisumu	37%	38%	27%	10%	73
Kitui	26%	30%	26%	5%	75
Kwale	65%	78%	28%	1%	54
Laikipia	13%	16%	11%	3%	58
Lamu	42%	36%	20%	2%	34
Machakos	43%	45%	29%	8%	71
Makueni	70%	69%	25%	5%	73
Mandera	63%	62%	60%	5%	54
Marsabit	12%	9%	7%	7%	48
Meru	41%	42%	16%	0%	83
Migori	29%	40%	18%	6%	69
Mombasa	72%	72%	37%	11%	70
Murang'a	71%	76%	23%	10%	67
Nairobi	86%	74%	60%	19%	89
Nakuru	55%	59%	34%	9%	87
Nandi	39%	51%	22%	3%	62
Narok	43%	38%	22%	5%	59
Nyamira	73%	75%	36%	4%	61
Nyandarua	54%	49%	22%	2%	57
Nyeri	43%	34%	15%	4%	72
Samburu	22%	40%	27%	3%	41
Siaya	57%	64%	29%	10%	69
Taita taveta	61%	55%	19%	3%	49

County	Check glucose level	Administer glucose for hypoglycemia	Administer insulin for hyperglycemia	Perform lumbar puncture	Total number of facilities
Tana river	52%	63%	18%	3%	38
Tharaka-nithi	64%	39%	13%	2%	55
Trans nzoia	16%	16%	12%	3%	58
Turkana	18%	23%	9%	1%	61
Uasin gishu	49%	56%	20%	7%	62
Vihiga	55%	59%	20%	5%	45
Wajir	29%	30%	30%	4%	54
West pokot	26%	33%	9%	2%	56
Facility type					
Secondary & tertiary hospitals	90%	100%	100%	75%	20
Public primary hospitals	81%	87%	75%	36%	307
Private/ngo/fbo primary hospitals	91%	94%	88%	69%	84
Health centres	70%	70%	41%	10%	465
Dispensaries	33%	39%	11%	1%	1261
Medical clinics	54%	52%	30%	4%	790
Managing authority					
Government	38%	44%	16%	3%	1658
Ngo / fbo	60%	59%	35%	11%	323
Private	61%	58%	38%	11%	946
Urban/rural					
Urban	65%	64%	44%	15%	873
Rural	42%	45%	19%	3%	2054
Total	**50%**	**52%**	**27%**	**7%**	**2927**

Annex Table 114: Percentage of facilities that have tracer items for emergency unconscious patient interventions among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2236), Kenya 2018

County	Glucose 50%	Insulin	Lumbar puncture kit	Benzodiazepine	Magnesium sulphate	Antidote for opiate overdose	Medications for agitation (diazepam injection)	Mean availability of items	Percent of facilities with all items	Total number of facilities
Baringo	55%	16%	1%	10%	59%	1%	18%	23%	0%	50
Bomet	76%	66%	0%	49%	29%	0%	32%	36%	0%	12
Bungoma	68%	9%	3%	18%	68%	4%	37%	29%	1%	62
Busia	51%	21%	0%	37%	48%	1%	58%	31%	0%	47
Elgeyo-marakwet	38%	11%	0%	10%	27%	0%	14%	14%	0%	50
Embu	45%	15%	0%	57%	21%	6%	49%	27%	0%	58
Garissa	72%	34%	1%	27%	62%	10%	38%	35%	1%	44
Homa bay	74%	27%	4%	73%	54%	0%	63%	42%	0%	41
Isiolo	56%	26%	4%	58%	74%	6%	38%	37%	0%	35
Kajiado	47%	31%	0%	26%	29%	7%	47%	27%	0%	48
Kakamega	70%	21%	2%	50%	64%	8%	64%	40%	2%	64
Kericho	52%	16%	5%	53%	26%	4%	42%	28%	2%	55
Kiambu	63%	42%	7%	53%	27%	10%	54%	36%	3%	64
Kilifi	76%	32%	3%	48%	62%	7%	42%	39%	0%	52
Kirinyaga	71%	29%	9%	41%	44%	9%	67%	38%	9%	29
Kisii	90%	39%	2%	38%	55%	9%	50%	40%	0%	59
Kisumu	66%	34%	18%	40%	69%	7%	66%	43%	7%	44
Kitui	49%	29%	1%	51%	51%	4%	37%	32%	1%	47
Kwale	74%	23%	2%	69%	65%	3%	69%	44%	2%	52
Laikipia	69%	38%	0%	69%	89%	31%	69%	52%	0%	12
Lamu	62%	22%	0%	11%	70%	9%	36%	30%	0%	25
Machakos	59%	40%	9%	37%	33%	3%	51%	33%	3%	51
Makueni	60%	20%	0%	45%	62%	4%	39%	33%	0%	69
Mandera	74%	54%	3%	40%	79%	5%	37%	42%	0%	46
Marsabit	86%	25%	0%	29%	80%	15%	86%	46%	0%	16
Meru	36%	23%	4%	67%	26%	1%	50%	29%	0%	65
Migori	54%	24%	1%	34%	72%	4%	48%	34%	0%	62
Mombasa	72%	42%	4%	24%	38%	10%	53%	35%	2%	57
Murang'a	48%	18%	2%	77%	19%	10%	45%	31%	2%	67
Nairobi	72%	45%	7%	57%	48%	18%	73%	46%	1%	86
Nakuru	53%	35%	3%	64%	47%	8%	46%	37%	3%	76
Nandi	66%	28%	0%	10%	24%	3%	53%	26%	0%	40
Narok	47%	18%	3%	73%	91%	5%	80%	45%	0%	43
Nyamira	54%	13%	2%	18%	37%	3%	36%	23%	0%	60

County	Glucose 50%	Insulin	Lumbar puncture kit	Benzodiazepine	Magnesium sulphate	Antidote for opiate overdose	Medications for agitation (diazepam injection)	Mean availability of items	Percent of facilities with all items	Total number of facilities
Nyandarua	59%	28%	3%	48%	44%	3%	38%	32%	3%	44
Nyeri	29%	32%	3%	49%	24%	5%	68%	30%	1%	39
Samburu	60%	51%	4%	35%	92%	4%	49%	42%	2%	26
Siaya	65%	20%	1%	71%	71%	7%	80%	45%	0%	61
Taita taveta	63%	21%	3%	39%	50%	3%	41%	32%	2%	47
Tana river	52%	19%	2%	48%	68%	2%	48%	34%	0%	34
Tharaka-nithi	27%	17%	2%	16%	22%	2%	20%	15%	2%	49
Trans nzoia	74%	22%	0%	37%	33%	0%	67%	33%	0%	17
Turkana	75%	8%	4%	16%	85%	4%	38%	33%	4%	54
Uasin gishu	53%	26%	2%	30%	48%	11%	48%	31%	2%	53
Vihiga	46%	32%	1%	31%	50%	3%	65%	33%	0%	37
Wajir	70%	39%	1%	30%	60%	6%	25%	33%	0%	37
West pokot	18%	6%	1%	16%	29%	5%	37%	16%	0%	50
Facility type										
Secondary & tertiary hospitals	95%	100%	70%	100%	100%	90%	100%	94%	55%	20
Public primary hospitals	86%	82%	15%	76%	94%	20%	69%	63%	4%	289
Private/ngo/ fbo primary hospitals	97%	92%	36%	90%	90%	52%	96%	79%	17%	78
Health centres	73%	44%	5%	54%	71%	8%	64%	45%	1%	384
Dispensaries	46%	10%	0%	30%	46%	1%	33%	24%	0%	945
Medical clinics	59%	28%	0%	51%	23%	6%	59%	32%	0%	520
Managing authority										
Government	50%	15%	2%	33%	55%	3%	33%	27%	1%	1329
Ngo / fbo	71%	44%	6%	56%	57%	10%	71%	45%	3%	236
Private	66%	39%	5%	57%	35%	10%	67%	40%	2%	671
Urban/rural										
Urban	71%	46%	8%	57%	46%	15%	67%	44%	3%	673
Rural	52%	19%	1%	39%	48%	2%	42%	29%	1%	1563
Total	**59%**	**28%**	**3%**	**45%**	**48%**	**7%**	**50%**	**34%**	**1%**	**2236**

Annex Table 115: Percentage of facilities that offer emergency other interventions by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Perform mental status examination	Management of extreme temperatures	Ability to provide physical restraints	Administer appropriate therapeutics for agitation	Perform procedural sedation	Total number of facilities
Baringo	13%	56%	30%	29%	8%	63
Bomet	9%	19%	7%	7%	2%	56
Bungoma	43%	63%	68%	35%	31%	67
Busia	44%	80%	48%	11%	14%	56
Elgeyo-marakwet	46%	79%	31%	33%	11%	53
Embu	23%	62%	42%	33%	12%	63
Garissa	4%	35%	5%	6%	12%	59
Homa bay	17%	45%	36%	13%	47%	74
Isiolo	41%	98%	48%	27%	49%	36
Kajiado	24%	61%	16%	12%	8%	67
Kakamega	30%	65%	25%	20%	20%	73
Kericho	42%	61%	29%	20%	12%	63
Kiambu	43%	70%	51%	41%	37%	86
Kilifi	20%	65%	23%	17%	20%	69
Kirinyaga	12%	27%	29%	17%	9%	63
Kisii	19%	46%	23%	19%	24%	75
Kisumu	21%	32%	19%	11%	14%	73
Kitui	19%	26%	13%	10%	10%	75
Kwale	10%	67%	20%	18%	11%	54
Laikipia	3%	14%	9%	3%	5%	58
Lamu	4%	48%	26%	7%	11%	34
Machakos	23%	38%	23%	15%	11%	71
Makueni	26%	92%	53%	11%	11%	73
Mandera	6%	69%	10%	6%	16%	54
Marsabit	16%	10%	6%	5%	5%	48
Meru	27%	55%	24%	22%	16%	83
Migori	25%	53%	30%	17%	22%	69
Mombasa	19%	77%	42%	20%	16%	70
Murang'a	26%	97%	58%	32%	20%	67
Nairobi	47%	90%	57%	44%	34%	89
Nakuru	28%	74%	20%	29%	27%	87
Nandi	30%	48%	16%	18%	3%	62
Narok	25%	57%	18%	12%	11%	59
Nyamira	50%	95%	47%	18%	26%	61
Nyandarua	6%	18%	6%	8%	2%	57
Nyeri	18%	43%	12%	10%	15%	72
Samburu	9%	25%	14%	10%	9%	41
Siaya	39%	81%	57%	29%	55%	69
Taita taveta	33%	81%	45%	23%	9%	49
Tana river	7%	65%	8%	3%	21%	38
Tharaka-nithi	9%	85%	28%	5%	6%	55
Trans nzoia	4%	17%	5%	6%	9%	58
Turkana	14%	44%	40%	17%	2%	61
Uasin gishu	32%	56%	33%	17%	24%	62

County	Perform mental status examination	Management of extreme temperatures	Ability to provide physical restraints	Administer appropriate therapeutics for agitation	Perform procedural sedation	Total number of facilities
Vihiga	32%	64%	22%	19%	32%	45
Wajir	21%	35%	19%	11%	3%	54
West pokot	22%	64%	18%	12%	8%	56
Facility type						
Secondary & tertiary hospitals	85%	95%	80%	85%	85%	20
Public primary hospitals	66%	87%	69%	62%	63%	307
Private/ngo/ fbo primary hospitals	64%	94%	78%	79%	81%	84
Health centres	33%	69%	39%	25%	28%	465
Dispensaries	18%	53%	25%	11%	9%	1261
Medical clinics	24%	56%	26%	20%	16%	790
Managing authority						
Government	23%	57%	28%	15%	14%	1658
Ngo / fbo	25%	59%	35%	23%	23%	323
Private	29%	62%	33%	26%	23%	946
Urban/rural						
Urban	34%	67%	39%	31%	28%	873
Rural	21%	55%	27%	15%	14%	2054
Total	**26%**	**59%**	**31%**	**20%**	**19%**	**2927**

Annex Table 116: Percentage of facilities that offer voluntary medical male circumcision services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Offers voluntary male circumcision services	Offers voluntary male circumcision services for adolescents	Total number of facilities
Baringo	12%	12%	63
Bomet	16%	16%	56
Bungoma	71%	71%	67
Busia	49%	49%	56
Elgeyo-marakwet	12%	12%	53
Embu	18%	18%	63
Garissa	18%	14%	59
Homa bay	23%	23%	74
Isiolo	5%	5%	36
Kajiado	32%	30%	67
Kakamega	48%	43%	73
Kericho	12%	12%	63
Kiambu	25%	25%	86
Kilifi	40%	37%	69
Kirinyaga	5%	5%	63
Kisii	35%	33%	75
Kisumu	34%	34%	73
Kitui	23%	22%	75
Kwale	16%	14%	54
Laikipia	40%	38%	58
Lamu	17%	17%	34
Machakos	27%	27%	71
Makueni	21%	21%	73
Mandera	34%	20%	54
Marsabit	10%	10%	48
Meru	6%	6%	83
Migori	34%	34%	69
Mombasa	44%	41%	70
Murang'a	27%	27%	67
Nairobi	57%	57%	89
Nakuru	51%	51%	87
Nandi	15%	15%	62
Narok	26%	26%	59
Nyamira	8%	8%	61
Nyandarua	29%	29%	57
Nyeri	33%	33%	72
Samburu	35%	35%	41
Siaya	30%	30%	69
Taita taveta	38%	35%	49

County	Offers voluntary male circumcision services	Offers voluntary male circumcision services for adolescents	Total number of facilities
Tana river	28%	14%	38
Tharaka-nithi	8%	8%	55
Trans nzoia	31%	31%	58
Turkana	11%	11%	61
Uasin gishu	20%	20%	62
Vihiga	22%	19%	45
Wajir	35%	23%	54
West pokot	12%	12%	56
Facility type			
Secondary & tertiary hospitals	75%	70%	20
Public primary hospitals	61%	59%	307
Private/ngo/fbo primary hospitals	73%	72%	84
Health centres	41%	39%	465
Dispensaries	16%	15%	1261
Medical clinics	33%	32%	790
Managing authority			
Government	21%	20%	1658
Ngo / fbo	29%	29%	323
Private	39%	37%	946
Urban/rural			
Urban	41%	40%	873
Rural	23%	22%	2054
Total	**29%**	**28%**	**2927**

Annex Table 117: Infectious disease medicines availability by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Me-/ albendazole cap/tab	Amoxicillin cap/ tab	Ceftriaxone injection	Co-trimoxazole cap/tab	Ciprofloxacin cap/tab	Fluconazole cap/tab	Metronidazole cap/tab	Total number of facilities
Baringo	93%	49%	46%	92%	77%	19%	51%	63
Bomet	92%	56%	68%	95%	78%	16%	27%	56
Bungoma	63%	31%	30%	56%	54%	26%	55%	67
Busia	83%	53%	55%	75%	73%	35%	47%	56
Elgeyo-marakwet	65%	70%	18%	83%	74%	12%	35%	53
Embu	95%	67%	83%	87%	83%	34%	60%	63
Garissa	80%	59%	58%	65%	61%	29%	62%	59
Homa bay	88%	59%	65%	81%	88%	57%	51%	74
Isiolo	92%	88%	58%	94%	80%	56%	48%	36
Kajiado	75%	70%	56%	61%	75%	46%	66%	67
Kakamega	82%	59%	67%	78%	58%	30%	42%	73
Kericho	86%	36%	43%	71%	51%	20%	69%	63
Kiambu	88%	77%	82%	69%	78%	64%	78%	86
Kilifi	79%	78%	76%	74%	80%	48%	65%	69
Kirinyaga	83%	68%	61%	61%	73%	50%	64%	63
Kisii	85%	84%	61%	81%	78%	49%	46%	75
Kisumu	87%	68%	75%	67%	85%	56%	61%	73
Kitui	97%	79%	82%	92%	90%	47%	74%	75
Kwale	96%	92%	90%	94%	84%	61%	82%	54
Laikipia	85%	78%	50%	87%	78%	34%	78%	58
Lamu	88%	68%	74%	82%	62%	46%	69%	34
Machakos	80%	86%	72%	78%	76%	46%	85%	71
Makueni	94%	89%	54%	87%	92%	36%	75%	73
Mandera	98%	71%	71%	92%	86%	43%	63%	54
Marsabit	100%	87%	92%	99%	98%	58%	88%	48
Meru	77%	63%	50%	63%	64%	41%	57%	83
Migori	88%	62%	54%	79%	62%	48%	46%	69
Mombasa	80%	76%	76%	73%	77%	66%	75%	70
Murang'a	94%	100%	45%	95%	82%	51%	98%	67
Nairobi	93%	88%	86%	79%	85%	76%	84%	89
Nakuru	77%	60%	66%	73%	63%	56%	58%	87
Nandi	87%	55%	83%	92%	87%	37%	39%	62
Narok	70%	98%	94%	97%	95%	39%	93%	59
Nyamira	73%	56%	63%	86%	59%	48%	47%	61
Nyandarua	96%	87%	78%	94%	96%	42%	75%	57
Nyeri	92%	91%	67%	88%	81%	56%	70%	72

County	Me-/ albendazole cap/tab	Amoxicillin cap/ tab	Ceftriaxone injection	Co-trimoxazole cap/tab	Ciprofloxacin cap/tab	Fluconazole cap/tab	Metronidazole cap/tab	Total number of facilities
Samburu	87%	87%	87%	87%	83%	34%	57%	41
Siaya	82%	40%	52%	69%	57%	44%	55%	69
Taita taveta	93%	91%	88%	91%	93%	39%	70%	49
Tana river	95%	47%	47%	73%	54%	22%	64%	38
Tharaka-nithi	98%	87%	60%	93%	71%	32%	51%	55
Trans nzoia	59%	71%	71%	50%	53%	25%	42%	58
Turkana	85%	78%	59%	73%	63%	24%	71%	61
Uasin gishu	76%	63%	57%	78%	83%	31%	69%	62
Vihiga	90%	65%	72%	92%	81%	47%	58%	45
Wajir	74%	65%	33%	57%	53%	22%	51%	54
West pokot	91%	88%	67%	84%	52%	14%	72%	56
Facility type								
Secondary & tertiary hospitals	95%	100%	95%	100%	95%	85%	80%	20
Public primary hospitals	97%	92%	87%	95%	95%	71%	68%	307
Private/ngo/fbo primary hospitals	91%	98%	91%	83%	94%	89%	95%	84
Health centres	91%	74%	73%	86%	80%	55%	66%	465
Dispensaries	88%	65%	56%	84%	72%	27%	54%	1261
Medical clinics	76%	76%	70%	65%	73%	57%	76%	790
Managing authority								
Government	88%	62%	56%	85%	72%	27%	49%	1658
Ngo / fbo	88%	85%	77%	82%	83%	62%	83%	323
Private	80%	80%	75%	69%	76%	62%	79%	946
Urban/rural								
Urban	80%	77%	74%	69%	75%	64%	75%	873
Rural	88%	69%	62%	83%	75%	35%	60%	2054
Total	**85%**	**72%**	**66%**	**78%**	**75%**	**45%**	**65%**	**2927**

Annex Table 118: Non-communicable disease medicines availability by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Amlodipine tablet or alternative calcium channel blocker	Aspirin cap/tab	Beclometasone inhaler	Beta blocker (e.g.bisoprolol, metoprolol, carvedilol, atenolol)	Enalapril tablet or other ACE inhibitor e.g. lisinopril, ramipril, perindopril	Epinephrine injectable	Furosemide cap/tab	Glibenclamide cap/tab	Gliclazide tablet or glipizide tablet	Glucose 50% injection	Glyceryl trinitrate sublingual tablet	Hydrochlorothiazide tablet or other thiazide diuretic tablet	Hydrocortisone injection	Ibuprofen tablet	Insulin regular injection	Isosorbide dinitrate tablet	Metformin tablet	Omeprazole tablet or alternative such as pantoprazole, rabeprazole	Paracetamol cap/tab	Prednisolone cap/tab	Salbutamol inhaler	Simvastatin tablet or other statin e.g. atorvastatin, pravastatin, fluvastatin	Spironolactone tablet	Total number of facilities
Baringo	10%	44%	8%	10%	28%	83%	31%	31%	4%	50%	1%	26%	60%	37%	16%	0%	36%	47%	66%	68%	54%	10%	10%	63
Bomet	16%	63%	10%	8%	74%	71%	65%	60%	5%	38%	0%	73%	73%	52%	31%	3%	74%	73%	81%	69%	35%	3%	11%	56
Bungoma	12%	8%	7%	9%	19%	57%	22%	16%	3%	67%	1%	16%	51%	44%	8%	1%	16%	26%	64%	26%	12%	6%	7%	67
Busia	21%	25%	5%	14%	53%	76%	35%	33%	12%	52%	2%	46%	77%	40%	19%	1%	40%	30%	77%	44%	36%	1%	9%	56
Elgeyo-marakwet	9%	49%	6%	11%	20%	82%	40%	18%	3%	45%	0%	34%	55%	32%	10%	0%	24%	53%	80%	68%	10%	2%	5%	53
Embu	27%	55%	9%	23%	49%	88%	66%	39%	15%	47%	0%	81%	85%	53%	13%	5%	53%	72%	88%	85%	53%	16%	15%	63
Garissa	9%	47%	9%	10%	61%	59%	48%	43%	6%	65%	2%	23%	72%	51%	32%	0%	61%	58%	54%	57%	29%	6%	6%	59
Homa bay	11%	52%	12%	18%	35%	76%	50%	43%	3%	66%	0%	23%	87%	40%	25%	0%	49%	60%	83%	61%	33%	3%	9%	74
Isiolo	20%	70%	15%	14%	29%	84%	46%	30%	4%	60%	2%	24%	86%	69%	28%	0%	46%	45%	80%	77%	62%	9%	6%	36
Kajiado	40%	47%	8%	37%	51%	75%	62%	53%	10%	54%	2%	62%	68%	64%	35%	5%	52%	65%	75%	68%	42%	15%	15%	67
Kakamega	25%	41%	7%	12%	36%	85%	49%	33%	6%	66%	5%	39%	62%	49%	22%	5%	41%	75%	72%	50%	18%	8%	15%	73
Kericho	15%	42%	9%	12%	21%	56%	30%	26%	6%	50%	2%	21%	64%	48%	15%	2%	28%	76%	53%	30%	22%	4%	10%	63
Kiambu	60%	68%	15%	41%	66%	79%	75%	67%	9%	54%	0%	76%	83%	76%	39%	0%	75%	88%	86%	87%	60%	28%	15%	86
Kilifi	24%	51%	11%	24%	44%	81%	68%	49%	8%	69%	3%	54%	72%	52%	28%	4%	58%	65%	72%	58%	51%	7%	7%	69
Kirinyaga	38%	31%	8%	22%	49%	66%	43%	42%	13%	43%	2%	46%	78%	69%	23%	0%	46%	71%	84%	65%	47%	9%	13%	63
Kisii	28%	50%	6%	21%	27%	80%	46%	29%	5%	80%	3%	32%	79%	72%	30%	2%	34%	63%	65%	57%	31%	14%	7%	75
Kisumu	27%	64%	16%	25%	61%	71%	61%	56%	9%	69%	4%	40%	74%	61%	31%	3%	49%	86%	86%	78%	53%	13%	16%	73
Kitui	43%	65%	12%	40%	63%	83%	78%	57%	3%	56%	0%	70%	89%	73%	28%	0%	71%	88%	77%	80%	64%	17%	14%	75
Kwale	34%	42%	15%	34%	69%	92%	90%	59%	5%	78%	0%	82%	92%	78%	22%	0%	78%	78%	96%	82%	63%	14%	4%	54
Laikipia	28%	39%	8%	23%	26%	80%	58%	33%	8%	44%	0%	34%	76%	82%	17%	2%	41%	75%	89%	43%	28%	15%	13%	58

County	Amlodipine tablet or alternative calcium channel blocker	Aspirin cap/tab	Beclometasone inhaler	Beta blocker (e.g.bisoprolol, metoprolol, carvedilol, atenolol)	Enalapril tablet or other ACE inhibitor e.g. lisinopril, ramipril, perindopril	Epinephrine injectable	Furosemide cap/tab	Glibenclamide cap/tab	Gliclazide tablet or glipizide tablet	Glucose 50% injection	Glyceryl trinitrate sublingual tablet	Hydrochlorothiazide tablet or other thiazide diuretic tablet	Hydrocortisone injection	Ibuprofen tablet	Insulin regular injection	Isosorbide dinitrate tablet	Metformin tablet	Omeprazole tablet or alternative such as pantoprazole, rabeprazole	Paracetamol cap/tab	Prednisolone cap/tab	Salbutamol inhaler	Simvastatin tablet or other statin e.g. atorvastatin, pravastatin, fluvastatin	Spironolactone tablet	Total number of facilities
Lamu	19%	45%	3%	11%	48%	72%	55%	78%	11%	54%	0%	33%	62%	63%	16%	2%	66%	65%	66%	60%	24%	5%	5%	34
Machakos	28%	51%	14%	27%	51%	82%	68%	59%	8%	53%	3%	62%	80%	82%	31%	1%	57%	61%	87%	51%	36%	18%	15%	71
Makueni	56%	42%	14%	31%	45%	78%	62%	63%	4%	59%	2%	76%	82%	76%	19%	2%	66%	38%	86%	43%	59%	10%	11%	73
Mandera	28%	35%	12%	17%	51%	78%	62%	57%	7%	82%	0%	62%	74%	55%	51%	2%	74%	58%	76%	66%	61%	4%	6%	54
Marsabit	31%	89%	20%	41%	87%	91%	80%	57%	5%	83%	2%	78%	95%	80%	24%	4%	74%	32%	87%	79%	69%	8%	15%	48
Meru	26%	31%	16%	22%	47%	64%	47%	51%	2%	39%	1%	59%	62%	53%	19%	2%	51%	60%	61%	56%	29%	11%	17%	83
Migori	15%	30%	4%	13%	35%	62%	51%	31%	1%	55%	0%	26%	65%	38%	23%	2%	32%	53%	62%	44%	28%	3%	14%	69
Mombasa	33%	47%	14%	24%	48%	79%	58%	48%	9%	66%	3%	41%	72%	72%	38%	0%	56%	70%	77%	68%	51%	12%	9%	70
Murang'a	40%	56%	8%	35%	63%	74%	94%	79%	6%	55%	2%	82%	81%	95%	18%	0%	87%	92%	100%	79%	76%	10%	22%	67
Nairobi	76%	70%	20%	49%	62%	84%	73%	64%	20%	77%	3%	75%	85%	78%	43%	4%	68%	79%	95%	83%	61%	44%	19%	89
Nakuru	30%	53%	10%	27%	59%	74%	61%	50%	10%	57%	2%	51%	71%	55%	32%	4%	57%	69%	58%	64%	47%	14%	17%	87
Nandi	30%	55%	25%	15%	74%	82%	64%	58%	8%	55%	1%	76%	64%	35%	25%	4%	54%	86%	53%	53%	75%	12%	12%	62
Narok	17%	47%	4%	13%	23%	82%	59%	16%	2%	39%	0%	57%	97%	95%	15%	0%	23%	93%	97%	82%	22%	1%	7%	59
Nyamira	21%	57%	7%	13%	42%	69%	59%	47%	6%	57%	2%	46%	68%	53%	12%	2%	54%	50%	68%	41%	26%	5%	4%	61
Nyandarua	40%	71%	28%	30%	82%	85%	85%	93%	8%	54%	2%	87%	83%	77%	29%	0%	95%	98%	81%	62%	73%	12%	8%	57
Nyeri	62%	68%	17%	54%	71%	86%	81%	70%	20%	33%	1%	78%	81%	91%	24%	5%	77%	80%	92%	81%	38%	32%	29%	72
Samburu	32%	57%	25%	31%	44%	85%	50%	55%	22%	65%	6%	14%	68%	51%	39%	3%	55%	85%	67%	80%	72%	5%	14%	41
Siaya	15%	44%	14%	23%	45%	64%	39%	37%	2%	61%	0%	43%	62%	49%	17%	0%	39%	39%	55%	47%	29%	17%	14%	69
Taita taveta	41%	79%	11%	28%	70%	93%	57%	57%	13%	64%	2%	67%	87%	56%	20%	3%	50%	83%	93%	70%	62%	21%	9%	49
Tana river	15%	47%	8%	13%	62%	84%	67%	30%	6%	52%	0%	63%	59%	47%	22%	6%	25%	44%	56%	50%	33%	6%	12%	38
Tharaka-nithi	20%	51%	13%	17%	64%	83%	60%	57%	0%	29%	0%	77%	87%	43%	17%	2%	62%	94%	73%	64%	45%	5%	5%	55
Trans nzoia	19%	48%	6%	22%	43%	61%	55%	32%	3%	54%	0%	29%	70%	38%	12%	0%	37%	38%	72%	31%	18%	7%	7%	58
Turkana	5%	8%	4%	3%	4%	44%	14%	7%	3%	69%	2%	4%	75%	80%	7%	2%	9%	54%	80%	37%	7%	1%	1%	61

County	Amlodipine tablet or alternative calcium channel blocker	Aspirin cap/tab	Beclometasone inhaler	Beta blocker (e.g.bisoprolol, metoprolol, carvedilol, atenolol)	Enalapril tablet or other ACE inhibitor e.g. lisinopril, ramipril, perindopril	Epinephrine injectable	Furosemide cap/tab	Glibenclamide cap/tab	Gliclazide tablet or glipizide tablet	Glucose 50% injection	Glyceryl trinitrate sublingual tablet	Hydrochlorothiazide tablet or other thiazide diuretic tablet	Hydrocortisone injection	Ibuprofen tablet	Insulin regular injection	Isosorbide dinitrate tablet	Metformin tablet	Omeprazole tablet or alternative such as pantoprazole, rabeprazole	Paracetamol cap/tab	Prednisolone cap/tab	Salbutamol inhaler	Simvastatin tablet or other statin e.g. atorvastatin, pravastatin, fluvastatin	Spironolactone tablet	Total number of facilities
Uasin gishu	29%	61%	13%	14%	37%	83%	59%	38%	11%	58%	2%	38%	88%	73%	22%	6%	51%	67%	76%	58%	28%	12%	13%	62
Vihiga	33%	69%	8%	10%	47%	88%	67%	42%	6%	63%	5%	53%	81%	52%	28%	3%	44%	74%	65%	58%	56%	7%	5%	45
Wajir	22%	50%	3%	10%	32%	71%	52%	49%	0%	63%	4%	38%	52%	48%	31%	4%	52%	68%	59%	48%	22%	5%	7%	54
West pokot	13%	13%	9%	5%	10%	65%	16%	9%	5%	19%	0%	8%	52%	75%	7%	0%	12%	68%	75%	33%	45%	1%	6%	56
Facility type																								
Secondary & tertiary hospitals	85%	90%	50%	95%	100%	100%	100%	90%	70%	100%	15%	100%	95%	95%	100%	35%	95%	90%	100%	95%	85%	75%	75%	20
Public primary hospitals	72%	88%	37%	61%	89%	94%	91%	90%	16%	91%	3%	85%	84%	72%	82%	3%	89%	81%	92%	80%	70%	42%	37%	307
Private/ngo/ fbo primary hospitals	91%	92%	37%	88%	91%	94%	95%	95%	42%	97%	14%	86%	93%	97%	91%	22%	96%	91%	98%	97%	93%	63%	70%	84
Health centres	39%	62%	15%	31%	60%	87%	73%	64%	8%	79%	2%	63%	81%	63%	43%	2%	71%	73%	79%	69%	52%	15%	14%	465
Dispensaries	16%	45%	6%	11%	37%	74%	46%	36%	2%	46%	0%	44%	72%	52%	11%	0%	41%	61%	72%	53%	36%	5%	2%	1261
Medical clinics	41%	44%	13%	31%	52%	70%	62%	49%	11%	53%	2%	55%	73%	74%	24%	2%	54%	72%	78%	66%	42%	17%	16%	790
Managing authority																								
Government	17%	49%	7%	13%	38%	78%	50%	40%	3%	51%	1%	46%	71%	47%	15%	0%	45%	58%	70%	52%	37%	5%	4%	1658
Ngo / fbo	48%	55%	19%	33%	63%	76%	62%	61%	8%	66%	1%	65%	80%	80%	39%	4%	66%	79%	89%	75%	56%	23%	17%	323
Private	48%	50%	16%	38%	58%	75%	68%	55%	14%	62%	3%	59%	78%	77%	35%	4%	60%	76%	81%	72%	49%	21%	21%	946
Urban/rural																								
Urban	52%	56%	20%	41%	57%	74%	66%	57%	16%	67%	4%	57%	76%	73%	40%	4%	60%	74%	81%	71%	52%	26%	22%	873
Rural	23%	47%	8%	17%	45%	77%	55%	45%	4%	52%	1%	51%	75%	58%	18%	1%	50%	65%	75%	58%	39%	7%	8%	2054
Total	**33%**	**50%**	**12%**	**25%**	**49%**	**76%**	**59%**	**49%**	**8%**	**57%**	**2%**	**53%**	**75%**	**63%**	**25%**	**2%**	**54%**	**68%**	**77%**	**63%**	**44%**	**14%**	**13%**	**2927**

Annex Table 119: Mental health and neurological medicines availability by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Amitriptyline tablet	Carbamazepine tablet	Chlorpromazine injection	Diazepam tablet	Diazepam injection or diazepam rectal tubes	Fluoxetine tablet	Fluphenazine injection	Haloperidol tablet	Levodopa + carbidopa tablet	Lorazepam injection	Lithium tablet	Phenobarbital tablet	Phenytoin tablet	Valproate sodium tablet	Total number of facilities
Baringo	17%	27%	14%	26%	24%	5%	8%	5%	2%	2%	0%	65%	9%	5%	63
Bomet	19%	54%	24%	29%	23%	5%	18%	9%	5%	3%	0%	76%	18%	7%	56
Bungoma	12%	10%	10%	13%	36%	3%	4%	5%	3%	0%	0%	40%	7%	4%	67
Busia	24%	15%	13%	38%	58%	2%	1%	5%	4%	0%	0%	59%	7%	2%	56
Elgeyo-marakwet	18%	20%	14%	31%	13%	1%	7%	3%	0%	0%	0%	34%	14%	3%	53
Embu	44%	39%	24%	44%	49%	4%	24%	6%	2%	0%	0%	69%	16%	11%	63
Garissa	29%	30%	18%	34%	33%	6%	13%	7%	6%	2%	0%	50%	12%	1%	59
Homa bay	27%	18%	11%	27%	49%	5%	2%	7%	9%	2%	0%	39%	15%	1%	74
Isiolo	19%	11%	14%	45%	39%	2%	13%	6%	2%	2%	0%	82%	16%	4%	36
Kajiado	32%	27%	22%	40%	51%	3%	9%	9%	6%	2%	2%	65%	16%	15%	67
Kakamega	26%	21%	28%	49%	59%	6%	10%	13%	9%	3%	2%	59%	15%	6%	73
Kericho	23%	18%	9%	30%	38%	7%	11%	11%	2%	2%	2%	34%	14%	6%	63
Kiambu	62%	40%	28%	53%	51%	6%	19%	13%	5%	0%	0%	71%	10%	9%	86
Kilifi	20%	32%	24%	35%	37%	2%	5%	4%	4%	3%	2%	48%	21%	2%	69
Kirinyaga	46%	41%	18%	41%	55%	1%	16%	15%	9%	2%	2%	45%	22%	8%	63
Kisii	19%	25%	21%	38%	42%	6%	5%	9%	5%	1%	0%	45%	12%	8%	75
Kisumu	25%	25%	23%	45%	50%	4%	7%	13%	12%	2%	3%	43%	17%	11%	73
Kitui	39%	52%	35%	47%	36%	6%	23%	11%	4%	0%	1%	81%	28%	7%	75
Kwale	39%	27%	12%	41%	67%	1%	5%	6%	6%	0%	0%	76%	8%	3%	54
Laikipia	52%	48%	59%	49%	43%	8%	16%	14%	3%	0%	0%	70%	16%	17%	58
Lamu	26%	28%	25%	46%	32%	3%	11%	19%	0%	0%	0%	40%	14%	2%	34
Machakos	33%	28%	27%	47%	47%	4%	8%	15%	6%	0%	0%	58%	11%	2%	71
Makueni	28%	28%	25%	31%	38%	3%	21%	19%	0%	0%	0%	83%	23%	5%	73
Mandera	44%	45%	32%	30%	37%	5%	17%	7%	4%	0%	0%	78%	13%	18%	54
Marsabit	78%	62%	30%	76%	80%	4%	33%	11%	2%	0%	3%	87%	32%	5%	48
Meru	46%	34%	23%	48%	43%	9%	14%	19%	0%	0%	0%	57%	13%	10%	83
Migori	24%	27%	25%	26%	44%	0%	3%	8%	1%	0%	0%	40%	13%	4%	69
Mombasa	29%	15%	21%	33%	48%	2%	3%	5%	0%	2%	0%	35%	3%	9%	70
Murang'a	74%	46%	30%	85%	45%	4%	29%	22%	7%	2%	0%	81%	18%	12%	67
Nairobi	61%	50%	30%	59%	70%	4%	5%	11%	2%	0%	0%	74%	17%	17%	89
Nakuru	47%	40%	26%	39%	45%	8%	19%	20%	9%	2%	1%	56%	14%	11%	87
Nandi	34%	44%	24%	24%	47%	5%	17%	11%	6%	1%	0%	55%	14%	10%	62
Narok	34%	20%	16%	38%	81%	3%	13%	19%	2%	0%	2%	33%	6%	4%	59
Nyamira	20%	20%	18%	40%	35%	1%	3%	5%	4%	0%	2%	52%	16%	7%	61

County	Amitriptyline tablet	Carbamazepine tablet	Chlorpromazine injection	Diazepam tablet	Diazepam injection or diazepam rectal tubes	Fluoxetine tablet	Fluphenazine injection	Haloperidol tablet	Levodopa + carbidopa tablet	Lorazepam injection	Lithium tablet	Phenobarbital tablet	Phenytoin tablet	Valproate sodium tablet	Total number of facilities
Nyandarua	54%	51%	25%	38%	34%	4%	21%	12%	4%	0%	0%	67%	11%	5%	57
Nyeri	69%	43%	29%	58%	65%	15%	41%	24%	6%	0%	0%	69%	22%	19%	72
Samburu	47%	29%	46%	44%	46%	8%	21%	17%	9%	4%	0%	72%	46%	27%	41
Siaya	30%	28%	28%	40%	69%	2%	10%	9%	2%	1%	0%	54%	13%	6%	69
Taita taveta	50%	48%	17%	33%	40%	5%	18%	14%	4%	2%	0%	52%	12%	2%	49
Tana river	28%	21%	21%	59%	43%	1%	3%	6%	3%	0%	0%	46%	4%	6%	38
Tharaka-nithi	47%	47%	22%	30%	19%	2%	35%	4%	2%	0%	0%	73%	12%	7%	55
Trans nzoia	32%	28%	15%	22%	50%	2%	6%	6%	4%	0%	0%	22%	7%	4%	58
Turkana	11%	4%	9%	18%	35%	5%	4%	5%	7%	2%	2%	19%	6%	6%	61
Uasin gishu	28%	38%	19%	37%	44%	10%	12%	10%	11%	4%	0%	53%	18%	11%	62
Vihiga	44%	38%	38%	38%	63%	5%	16%	15%	7%	5%	2%	51%	22%	7%	45
Wajir	16%	34%	17%	28%	22%	2%	12%	5%	7%	2%	4%	33%	6%	1%	54
West pokot	7%	12%	7%	17%	36%	0%	2%	5%	2%	0%	0%	27%	1%	2%	56
Facility type															
Secondary & tertiary hospitals	100%	80%	90%	90%	100%	65%	85%	70%	25%	0%	15%	95%	80%	75%	20
Public primary hospitals	76%	73%	76%	71%	69%	21%	53%	42%	6%	2%	1%	83%	62%	31%	307
Private/ngo/ fbo primary hospitals	82%	82%	74%	88%	96%	28%	44%	55%	31%	7%	4%	90%	57%	54%	84
Health centres	50%	48%	36%	54%	61%	5%	17%	15%	7%	1%	1%	70%	20%	8%	465
Dispensaries	24%	21%	13%	29%	32%	1%	7%	3%	1%	0%	0%	53%	8%	2%	1261
Medical clinics	43%	33%	20%	44%	52%	5%	13%	13%	5%	1%	0%	52%	12%	10%	790
Managing authority															
Government	27%	27%	19%	30%	32%	3%	12%	7%	2%	0%	0%	56%	13%	4%	1658
Ngo / fbo	49%	37%	25%	54%	64%	4%	12%	11%	8%	2%	1%	62%	16%	13%	323
Private	49%	40%	28%	51%	60%	7%	16%	17%	7%	2%	1%	58%	16%	12%	946
Urban/rural															
Urban	50%	41%	29%	51%	59%	8%	14%	16%	8%	2%	1%	59%	20%	16%	873
Rural	32%	29%	21%	36%	41%	3%	13%	9%	3%	0%	0%	57%	12%	4%	2054
Total	**38%**	**33%**	**23%**	**41%**	**47%**	**5%**	**13%**	**11%**	**5%**	**1%**	**1%**	**58%**	**15%**	**8%**	**2927**

Annex Table 120: Palliative care medicines availability by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

County	Dexamethasone injection	Haloperidol injection	Hyoscine butylbromide injection	Ibuprofen	Loperamide tab/cap	Lorazepam tablet	Metoclopramide injection	Morphine granule, injectable or cap/tab	Paracetamol	Senna preparation (laxative)	Total number of facilities
Baringo	56%	3%	49%	37%	22%	2%	31%	1%	66%	8%	63
Bomet	48%	3%	49%	52%	62%	3%	46%	3%	81%	3%	56
Bungoma	26%	4%	24%	44%	46%	0%	17%	10%	64%	8%	67
Busia	23%	2%	32%	40%	33%	2%	26%	9%	77%	10%	56
Elgeyo-marakwet	27%	4%	50%	32%	56%	0%	11%	4%	80%	2%	53
Embu	20%	1%	49%	53%	40%	0%	43%	6%	88%	31%	63
Garissa	49%	3%	56%	51%	39%	1%	46%	17%	54%	8%	59
Homa bay	35%	4%	38%	40%	53%	3%	42%	11%	83%	12%	74
Isiolo	61%	6%	45%	69%	32%	0%	49%	6%	80%	18%	36
Kajiado	43%	6%	59%	64%	54%	3%	44%	6%	75%	32%	67
Kakamega	43%	6%	51%	49%	23%	5%	39%	13%	72%	13%	73
Kericho	14%	4%	27%	48%	12%	0%	24%	4%	53%	4%	63
Kiambu	45%	3%	74%	76%	65%	1%	64%	8%	86%	44%	86
Kilifi	40%	2%	65%	52%	49%	3%	45%	7%	72%	20%	69
Kirinyaga	28%	3%	51%	69%	45%	2%	25%	6%	84%	12%	63
Kisii	40%	3%	63%	72%	67%	1%	28%	11%	65%	18%	75
Kisumu	51%	6%	53%	61%	60%	5%	53%	16%	86%	19%	73
Kitui	53%	9%	74%	73%	53%	3%	62%	11%	77%	9%	75
Kwale	35%	1%	80%	78%	47%	0%	75%	4%	96%	4%	54
Laikipia	21%	4%	78%	82%	56%	2%	45%	8%	89%	13%	58
Lamu	25%	8%	57%	63%	62%	0%	58%	13%	66%	3%	34
Machakos	36%	4%	47%	82%	29%	1%	35%	9%	87%	18%	71
Makueni	45%	5%	83%	76%	22%	0%	35%	4%	86%	28%	73
Mandera	59%	4%	66%	55%	84%	0%	70%	15%	76%	24%	54
Marsabit	74%	2%	87%	80%	69%	2%	81%	8%	87%	39%	48
Meru	29%	3%	59%	53%	52%	3%	34%	3%	61%	20%	83
Migori	32%	1%	53%	38%	48%	0%	41%	7%	62%	8%	69
Mombasa	40%	1%	64%	72%	55%	2%	47%	15%	77%	25%	70
Murang'a	26%	3%	48%	95%	79%	5%	44%	9%	100%	9%	67
Nairobi	53%	7%	74%	78%	69%	1%	65%	31%	95%	58%	89
Nakuru	37%	9%	62%	55%	45%	1%	49%	14%	58%	21%	87
Nandi	34%	4%	67%	35%	57%	5%	38%	7%	53%	11%	62
Narok	52%	10%	50%	95%	41%	0%	40%	13%	97%	14%	59

County	Dexamethasone injection	Haloperidol injection	Hyoscine butylbromide injection	Ibuprofen	Loperamide tab/cap	Lorazepam tablet	Metoclopramide injection	Morphine granule, injectable or cap/tab	Paracetamol	Senna preparation (laxative)	Total number of facilities
Nyamira	25%	3%	45%	53%	29%	0%	19%	2%	68%	11%	61
Nyandarua	40%	1%	60%	77%	74%	2%	43%	4%	81%	51%	57
Nyeri	42%	5%	65%	91%	56%	3%	49%	4%	92%	19%	72
Samburu	59%	22%	53%	51%	45%	4%	75%	14%	67%	16%	41
Siaya	26%	0%	57%	49%	35%	0%	44%	16%	55%	9%	69
Taita taveta	21%	2%	69%	56%	60%	2%	43%	5%	93%	20%	49
Tana river	48%	3%	51%	47%	23%	0%	62%	10%	56%	23%	38
Tharaka-nithi	22%	3%	52%	43%	56%	2%	14%	7%	73%	16%	55
Trans nzoia	28%	1%	42%	38%	17%	0%	25%	6%	72%	3%	58
Turkana	18%	2%	26%	80%	18%	2%	10%	4%	80%	5%	61
Uasin gishu	45%	6%	67%	73%	52%	6%	39%	11%	76%	21%	62
Vihiga	35%	0%	61%	52%	63%	5%	49%	10%	65%	10%	45
Wajir	28%	3%	43%	48%	23%	3%	30%	11%	59%	7%	54
West pokot	52%	3%	31%	75%	10%	0%	29%	9%	75%	2%	56
Facility type											
Secondary & tertiary hospitals	100%	65%	100%	95%	85%	5%	100%	100%	100%	75%	20
Public primary hospitals	79%	29%	78%	72%	72%	2%	78%	55%	92%	34%	307
Private/ngo/ fbo primary hospitals	93%	21%	92%	97%	93%	9%	96%	79%	98%	67%	84
Health centres	55%	5%	69%	63%	61%	3%	54%	13%	79%	24%	465
Dispensaries	27%	1%	49%	52%	38%	0%	31%	2%	72%	10%	1261
Medical clinics	37%	4%	57%	74%	49%	3%	46%	8%	78%	26%	790
Managing authority											
Government	32%	3%	50%	47%	41%	0%	33%	6%	70%	10%	1658
Ngo / fbo	43%	2%	66%	80%	56%	2%	55%	12%	89%	32%	323
Private	45%	6%	64%	77%	55%	4%	52%	15%	81%	30%	946
Urban/rural											
Urban	47%	7%	66%	73%	56%	4%	54%	21%	81%	33%	873
Rural	35%	3%	53%	58%	45%	1%	38%	5%	75%	14%	2054
Total	**39%**	**4%**	**58%**	**63%**	**48%**	**2%**	**43%**	**10%**	**77%**	**20%**	**2927**

Annex Table 121: Availability of advanced diagnostic services amongst hospitals by county, facility type, managing authority, and urban vs. rural location (N=411), Kenya 2018

County	Serum electrolytes	Full blood count with differential	Blood typing (ABO and Rhesus) and cross match (by anti-globulin or equivalent)	Renal function test	Liver function test	CD4 count and percentage	HIV antibody testing (ELISA)	Syphilis serology	Cryptococcal antigen	Gram stain	Urine dipstick with microscopy	CSF/body fluid counts	Mean availability of tracer items	Total number of facilities
Baringo	40%	80%	40%	40%	40%	40%	0%	20%	20%	20%	40%	20%	33%	5
Bomet	83%	100%	83%	83%	83%	33%	17%	50%	83%	83%	100%	67%	72%	4
Bungoma	36%	50%	29%	36%	36%	29%	0%	7%	21%	50%	43%	21%	30%	12
Busia	39%	46%	54%	46%	46%	14%	0%	0%	75%	43%	50%	43%	38%	9
Elgeyo-marakwet	17%	17%	17%	17%	17%	17%	0%	17%	17%	33%	83%	17%	22%	6
Embu	20%	60%	20%	20%	20%	60%	0%	0%	20%	100%	100%	40%	38%	5
Garissa	42%	90%	81%	42%	42%	19%	32%	42%	42%	90%	90%	52%	55%	8
Homa bay	24%	42%	21%	29%	29%	55%	0%	0%	66%	34%	68%	29%	33%	14
Isiolo	33%	67%	67%	33%	33%	67%	0%	33%	33%	67%	100%	33%	47%	3
Kajiado	50%	92%	77%	50%	50%	30%	0%	15%	50%	85%	65%	50%	51%	6
Kakamega	25%	50%	17%	25%	25%	33%	8%	8%	50%	25%	33%	17%	26%	12
Kericho	51%	31%	25%	51%	51%	31%	0%	0%	31%	31%	51%	51%	34%	10
Kiambu	85%	94%	6%	85%	85%	8%	0%	2%	46%	94%	96%	48%	54%	14
Kilifi	38%	54%	29%	46%	38%	0%	0%	8%	0%	8%	25%	8%	21%	7
Kirinyaga	80%	90%	90%	80%	80%	0%	0%	0%	20%	100%	100%	10%	54%	5
Kisii	32%	50%	32%	35%	35%	21%	9%	12%	29%	41%	53%	32%	32%	24
Kisumu	40%	75%	46%	43%	40%	22%	0%	3%	59%	51%	78%	67%	44%	22
Kitui	42%	47%	5%	42%	42%	16%	0%	0%	16%	53%	58%	37%	30%	14
Kwale	50%	50%	33%	67%	67%	50%	0%	17%	33%	83%	83%	83%	51%	5
Laikipia	43%	68%	25%	50%	34%	18%	0%	0%	18%	68%	68%	27%	35%	8
Lamu	33%	67%	0%	33%	33%	0%	0%	0%	0%	67%	67%	0%	25%	3
Machakos	50%	50%	56%	50%	50%	19%	0%	0%	25%	56%	63%	50%	39%	8
Makueni	45%	64%	36%	64%	64%	9%	0%	27%	64%	73%	82%	45%	48%	11
Mandera	40%	50%	30%	40%	40%	10%	0%	10%	10%	60%	70%	10%	31%	8
Marsabit	0%	86%	14%	14%	14%	43%	0%	0%	0%	29%	86%	14%	25%	5
Meru	26%	29%	23%	26%	33%	29%	0%	0%	19%	23%	38%	32%	23%	19
Migori	11%	23%	4%	11%	11%	24%	0%	0%	13%	27%	54%	16%	16%	15
Mombasa	100%	100%	60%	100%	100%	15%	20%	4%	11%	56%	76%	4%	54%	10
Murang'a	74%	95%	32%	68%	68%	37%	0%	5%	0%	100%	100%	42%	52%	9
Nairobi	77%	78%	25%	77%	77%	41%	2%	1%	25%	58%	60%	23%	45%	18
Nakuru	81%	88%	78%	88%	88%	22%	0%	6%	78%	84%	94%	45%	63%	13
Nandi	0%	17%	11%	28%	28%	11%	0%	11%	11%	17%	17%	0%	12%	8
Narok	0%	50%	50%	30%	30%	20%	0%	10%	30%	30%	60%	20%	27%	6
Nyamira	11%	33%	11%	11%	11%	44%	0%	0%	11%	22%	33%	11%	17%	9
Nyandarua	75%	100%	50%	75%	75%	25%	50%	50%	75%	100%	100%	75%	71%	3

County	Serum electrolytes	Full blood count with differential	Blood typing (ABO and Rhesus) and cross match (by anti-globulin or equivalent)	Renal function test	Liver function test	CD4 count and percentage	HIV antibody testing (ELISA)	Syphilis serology	Cryptococcal antigen	Gram stain	Urine dipstick with microscopy	CSF/body fluid counts	Mean availability of tracer items	Total number of facilities
Nyeri	92%	100%	67%	92%	92%	25%	0%	0%	100%	33%	33%	75%	59%	6
Samburu	33%	67%	67%	33%	67%	67%	0%	33%	67%	100%	100%	67%	58%	3
Siaya	65%	65%	12%	65%	65%	29%	0%	0%	55%	43%	100%	37%	45%	13
Taita taveta	43%	57%	14%	43%	43%	29%	14%	0%	14%	29%	71%	14%	31%	6
Tana river	33%	67%	33%	33%	33%	0%	0%	0%	0%	67%	67%	33%	31%	3
Tharaka-nithi	60%	70%	30%	70%	70%	80%	0%	0%	40%	90%	90%	40%	53%	6
Trans nzoia	14%	71%	14%	14%	29%	29%	0%	0%	0%	43%	71%	0%	24%	7
Turkana	60%	60%	80%	60%	60%	40%	0%	20%	20%	80%	100%	80%	55%	4
Uasin gishu	63%	69%	31%	63%	63%	13%	31%	6%	31%	38%	75%	31%	43%	7
Vihiga	17%	17%	0%	17%	17%	33%	0%	0%	50%	67%	100%	17%	28%	4
Wajir	10%	30%	10%	10%	10%	0%	0%	0%	0%	40%	60%	0%	14%	10
West pokot	50%	50%	0%	50%	50%	25%	0%	25%	25%	50%	50%	25%	33%	4
Facility type														
Secondary & tertiary hospitals	90%	90%	75%	90%	90%	80%	25%	20%	70%	75%	75%	80%	72%	411
Public primary hospitals	24%	45%	24%	27%	28%	32%	1%	7%	34%	46%	63%	23%	29%	307
Private/ngo/fbo primary hospitals	72%	80%	39%	74%	74%	18%	5%	3%	32%	63%	73%	40%	48%	84
Managing authority														
Government	27%	47%	26%	30%	31%	34%	2%	8%	35%	47%	63%	26%	31%	323
Ngo / fbo	75%	89%	48%	81%	79%	37%	4%	7%	59%	76%	85%	66%	59%	30
Private	72%	76%	35%	72%	72%	9%	6%	2%	20%	56%	67%	26%	43%	58
Urban/rural														
Urban	65%	75%	39%	67%	67%	26%	5%	7%	35%	61%	71%	39%	46%	193
Rural	34%	53%	26%	37%	38%	26%	2%	4%	33%	48%	65%	27%	33%	218
Total	**51%**	**65%**	**33%**	**54%**	**54%**	**26%**	**3%**	**6%**	**34%**	**55%**	**68%**	**33%**	**40%**	**411**

Annex Table 122: High level diagnostic equipment availability amongst hospitals by county, facility type, managing authority and urban vs. rural location (N=411), Kenya 2018

County	X-ray	ECG	Ultrasound	CT scan	Mean availability of tracer items	Total number of facilities
Baringo	40%	20%	40%	0%	25%	5
Bomet	67%	67%	67%	0%	50%	4
Bungoma	50%	14%	43%	0%	27%	12
Busia	32%	0%	46%	0%	20%	9
Elgeyo-marakwet	33%	0%	33%	17%	21%	6
Embu	60%	20%	60%	0%	35%	5
Garissa	52%	42%	52%	0%	36%	8
Homa bay	29%	5%	24%	0%	14%	14
Isiolo	0%	33%	33%	0%	17%	3
Kajiado	58%	35%	65%	35%	48%	6
Kakamega	50%	8%	67%	8%	33%	12
Kericho	82%	65%	82%	6%	59%	10
Kiambu	66%	46%	90%	22%	56%	14
Kilifi	75%	67%	75%	8%	56%	7
Kirinyaga	70%	0%	80%	0%	38%	5
Kisii	26%	12%	35%	3%	19%	24
Kisumu	53%	13%	62%	24%	38%	22
Kitui	58%	37%	47%	0%	36%	14
Kwale	17%	0%	33%	0%	13%	5
Laikipia	0%	41%	48%	0%	22%	8
Lamu	100%	33%	67%	0%	50%	3
Machakos	25%	0%	75%	6%	27%	8
Makueni	36%	0%	27%	0%	16%	11
Mandera	50%	20%	70%	20%	40%	8
Marsabit	86%	43%	86%	0%	54%	5
Meru	48%	38%	42%	0%	32%	19
Migori	16%	0%	23%	0%	10%	15
Mombasa	64%	60%	80%	7%	53%	10
Murang'a	79%	37%	79%	0%	49%	9
Nairobi	78%	76%	81%	40%	69%	18
Nakuru	52%	33%	81%	6%	43%	13
Nandi	33%	0%	39%	0%	18%	8
Narok	50%	30%	80%	0%	40%	6
Nyamira	33%	0%	44%	11%	22%	9
Nyandarua	100%	50%	100%	50%	75%	3
Nyeri	92%	67%	92%	58%	77%	6
Samburu	100%	33%	33%	0%	42%	3

County	X-ray	ECG	Ultrasound	CT scan	Mean availability of tracer items	Total number of facilities
Siaya	20%	33%	45%	0%	25%	13
Taita taveta	29%	29%	71%	14%	36%	6
Tana river	33%	0%	33%	0%	17%	3
Tharaka-nithi	80%	30%	70%	30%	53%	6
Trans nzoia	14%	14%	14%	0%	11%	7
Turkana	40%	40%	80%	20%	45%	4
Uasin gishu	94%	81%	94%	56%	81%	7
Vihiga	33%	17%	83%	0%	33%	4
Wajir	20%	0%	10%	0%	8%	10
West pokot	50%	0%	50%	0%	25%	4
Facility type						
Secondary & tertiary hospitals	100%	75%	100%	65%	85%	411
Public primary hospitals	34%	6%	36%	3%	19%	307
Private/ngo/ fbo primary hospitals	67%	56%	83%	19%	56%	84
Managing authority						
Government	37%	9%	39%	5%	23%	323
Ngo / fbo	81%	51%	96%	18%	61%	30
Private	60%	59%	76%	22%	54%	58
Urban/rural						
Urban	67%	50%	75%	20%	53%	193
Rural	35%	13%	47%	5%	25%	218
Total	**53%**	**34%**	**62%**	**13%**	**41%**	**411**

Annex Table 123: Support for quality of care indicators by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

	Facility has budget for QI activities		Facility has QA Committee		Facility has a CPD system to assure that health worker knowledge and skills meet minimum acceptable standards		Facility have a functioning system for adverse event reporting and patient safety monitoring (for those with inpatient services)		Facility implements a systematic process for monitoring infection control	
County	%	N	%	N	%	N	%	N	%	N
Baringo	68%	24	34%	9	9%	63	15%	11	21%	63
Bomet	61%	28	24%	34	58%	56	54%	14	45%	56
Bungoma	58%	30	69%	26	47%	67	40%	23	33%	67
Busia	28%	23	53%	38	76%	56	71%	20	74%	56
Elgeyo-marakwet	18%	38	36%	15	33%	53	27%	13	9%	53
Embu	39%	26	33%	25	27%	63	11%	13	21%	63
Garissa	16%	16	28%	9	9%	59	10%	15	14%	59
Homa bay	72%	22	79%	50	72%	74	37%	33	32%	74
Isiolo	64%	14	38%	9	17%	36	30%	11	38%	36
Kajiado	50%	12	51%	11	35%	67	12%	23	16%	67
Kakamega	58%	41	44%	35	65%	73	42%	26	48%	73
Kericho	23%	32	38%	18	40%	63	48%	16	21%	63
Kiambu	24%	23	39%	37	59%	86	59%	23	25%	86
Kilifi	24%	28	45%	29	42%	69	12%	22	28%	69
Kirinyaga	59%	14	39%	21	37%	63	16%	21	4%	63
Kisii	72%	37	67%	32	46%	75	27%	37	28%	75
Kisumu	56%	44	59%	49	70%	73	55%	36	49%	73
Kitui	19%	29	25%	8	27%	75	30%	24	17%	75
Kwale	41%	33	17%	8	36%	54	34%	8	11%	54
Laikipia	85%	30	49%	29	53%	58	15%	13	9%	58
Lamu	0%	23	50%	2	11%	34	58%	5	5%	34
Machakos	29%	31	50%	26	38%	71	37%	19	17%	71
Makueni	22%	16	40%	26	58%	73	65%	11	19%	73
Mandera	24%	23	46%	13	10%	54	22%	22	8%	54
Marsabit	62%	33	16%	16	31%	48	0%	8	28%	48
Meru	36%	38	44%	28	28%	83	33%	20	25%	83
Migori	45%	31	88%	29	52%	69	11%	29	26%	69
Mombasa	78%	7	65%	33	29%	70	42%	19	50%	70
Murang'a	44%	46	51%	25	44%	67	46%	11	58%	67
Nairobi	58%	20	87%	56	61%	89	73%	34	48%	89
Nakuru	40%	41	63%	45	54%	87	42%	32	39%	87
Nandi	9%	20	38%	11	70%	62	45%	13	6%	62
Narok	56%	37	58%	12	22%	59	48%	15	18%	59
Nyamira	60%	50	59%	37	57%	61	75%	17	71%	61

	Facility has budget for QI activities		Facility has QA Committee		Facility has a CPD system to assure that health worker knowledge and skills meet minimum acceptable standards		Facility have a functioning system for adverse event reporting and patient safety monitoring (for those with inpatient services)		Facility implements a systematic process for monitoring infection control	
Nyandarua	39%	38	70%	23	47%	57	75%	3	49%	57
Nyeri	18%	27	17%	38	44%	72	43%	13	35%	72
Samburu	73%	29	45%	15	32%	41	82%	7	42%	41
Siaya	37%	37	73%	39	65%	69	43%	31	37%	69
Taita taveta	47%	25	37%	28	41%	49	63%	11	49%	49
Tana river	50%	4	21%	10	7%	38	30%	5	14%	38
Tharaka-nithi	21%	36	25%	9	47%	55	69%	10	15%	55
Trans nzoia	14%	23	17%	17	38%	58	37%	13	14%	58
Turkana	64%	11	42%	10	25%	61	14%	10	5%	61
Uasin gishu	42%	24	36%	24	54%	62	21%	14	33%	62
Vihiga	61%	24	48%	24	59%	45	60%	16	50%	45
Wajir	38%	13	75%	9	10%	54	32%	14	7%	54
West pokot	27%	27	41%	8	25%	56	7%	7	12%	56
Facility type										
Secondary & tertiary hospitals	80%	15	95%	19	80%	20	90%	20	80%	20
Public primary hospitals	54%	211	74%	221	81%	307	54%	288	61%	307
Private/ngo/fbo primary hospitals	69%	31	86%	62	80%	84	78%	84	61%	84
Health centres	51%	217	66%	218	61%	465	30%	259	37%	465
Dispensaries	37%	689	43%	335	39%	1261	31%	67	23%	1261
Medical clinics	43%	115	43%	250	36%	790	24%	93	28%	790
Managing authority										
Government	39%	1044	51%	628	45%	1658	38%	457	28%	1658
Ngo / fbo	55%	92	71%	139	54%	323	57%	95	33%	323
Private	49%	142	49%	338	40%	946	36%	259	31%	946
Urban/rural										
Urban	46%	253	63%	432	49%	873	46%	345	36%	873
Rural	41%	1025	46%	673	42%	2054	35%	466	27%	2054
Total	**42%**	**1278**	**53%**	**1105**	**44%**	**2927**	**40%**	**811**	**30%**	**2927**

Annex Table 124: Monitoring Quality of Care indicators by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

	Facility has system for routinely verifying health professionals' license and registration status		Facility has routine process for performance review based on data on facility services, outcomes, or patient feedback		Facility is involved in a supportive supervision system to assure that health worker skills meet minimum acceptable standards		Facility has a routine system for including meaningful community representation on facility management teams		Facility has a system in place to routinely measure patient feedback and feed the results back to facility management teams		Facility routinely performs inpatient mortality reviews (for those with inpatient services)		Facility conducts monitoring of the use of medicines	
County	%	N	%	N	%	N	%	N	%	N	%	N	%	N
Baringo	26%	63	31%	63	81%	63	85%	63	29%	63	22%	11	36%	63
Bomet	64%	56	56%	56	91%	56	56%	56	26%	56	30%	14	58%	56
Bungoma	37%	67	65%	67	87%	67	65%	67	34%	67	40%	23	71%	67
Busia	48%	56	76%	56	85%	56	74%	56	48%	56	61%	20	75%	56
Elgeyo-marakwet	23%	53	16%	53	62%	53	96%	53	26%	53	34%	13	62%	53
Embu	11%	63	33%	63	57%	63	46%	63	28%	63	24%	13	48%	63
Garissa	18%	59	36%	59	48%	59	34%	59	11%	59	16%	15	16%	59
Homa bay	35%	74	64%	74	75%	74	70%	74	43%	74	50%	33	66%	74
Isiolo	20%	36	54%	36	93%	36	65%	36	10%	36	33%	11	88%	36
Kajiado	26%	67	45%	67	67%	67	36%	67	32%	67	39%	23	50%	67
Kakamega	60%	73	62%	73	79%	73	66%	73	59%	73	43%	26	44%	73
Kericho	36%	63	59%	63	73%	63	55%	63	25%	63	32%	16	71%	63
Kiambu	58%	86	35%	86	46%	86	20%	86	44%	86	45%	23	62%	86
Kilifi	62%	69	53%	69	69%	69	48%	69	45%	69	30%	22	25%	69
Kirinyaga	39%	63	26%	63	54%	63	34%	63	39%	63	22%	21	20%	63
Kisii	51%	75	57%	75	86%	75	65%	75	29%	75	47%	37	39%	75
Kisumu	42%	73	73%	73	86%	73	61%	73	68%	73	57%	36	72%	73
Kitui	28%	75	28%	75	84%	75	30%	75	22%	75	30%	24	15%	75
Kwale	5%	54	51%	54	73%	54	67%	54	16%	54	14%	8	39%	54
Laikipia	16%	58	74%	58	64%	58	21%	58	47%	58	12%	13	58%	58
Lamu	9%	34	46%	34	94%	34	42%	34	9%	34	46%	5	20%	34
Machakos	58%	71	44%	71	73%	71	51%	71	40%	71	18%	19	43%	71
Makueni	15%	73	27%	73	77%	73	42%	73	28%	73	28%	11	78%	73
Mandera	25%	54	25%	54	77%	54	42%	54	20%	54	14%	22	50%	54
Marsabit	47%	48	87%	48	88%	48	93%	48	57%	48	7%	8	54%	48
Meru	29%	83	38%	83	54%	83	38%	83	34%	83	39%	20	27%	83
Migori	22%	69	69%	69	87%	69	59%	69	42%	69	48%	29	39%	69
Mombasa	66%	70	70%	70	69%	70	35%	70	49%	70	38%	19	68%	70
Murang'a	52%	67	51%	67	46%	67	48%	67	28%	67	46%	11	51%	67
Nairobi	69%	89	66%	89	68%	89	25%	89	68%	89	47%	34	73%	89
Nakuru	52%	87	43%	87	77%	87	44%	87	37%	87	47%	32	69%	87
Nandi	30%	62	22%	62	65%	62	46%	62	19%	62	11%	13	56%	62
Narok	16%	59	27%	59	79%	59	83%	59	20%	59	35%	15	35%	59
Nyamira	58%	61	74%	61	85%	61	56%	61	64%	61	29%	17	68%	61
Nyandarua	45%	57	49%	57	90%	57	52%	57	58%	57	100%	3	38%	57
Nyeri	28%	72	63%	72	50%	72	34%	72	38%	72	55%	13	55%	72
Samburu	80%	41	85%	41	90%	41	70%	41	72%	41	27%	7	35%	41
Siaya	34%	69	74%	69	77%	69	66%	69	51%	69	46%	31	60%	69

	Facility has system for routinely verifying health professionals' license and registration status		Facility has routine process for performance review based on data on facility services, outcomes, or patient feedback		Facility is involved in a supportive supervision system to assure that health worker skills meet minimum acceptable standards		Facility has a routine system for including meaningful community representation on facility management teams		Facility has a system in place to routinely measure patient feedback and feed the results back to facility management teams		Facility routinely performs inpatient mortality reviews (for those with inpatient services)		Facility conducts monitoring of the use of medicines	
County	%	N	%	N	%	N	%	N	%	N	%	N	%	N
Taita taveta	27%	49	49%	49	83%	49	62%	49	66%	49	34%	11	63%	49
Tana river	6%	38	38%	38	84%	38	33%	38	28%	38	45%	5	38%	38
Tharaka-nithi	16%	55	30%	55	72%	55	59%	55	31%	55	42%	10	49%	55
Trans nzoia	45%	58	23%	58	68%	58	36%	58	24%	58	51%	13	46%	58
Turkana	4%	61	42%	61	78%	61	85%	61	14%	61	28%	10	2%	61
Uasin gishu	47%	62	52%	62	83%	62	50%	62	40%	62	26%	14	43%	62
Vihiga	25%	45	48%	45	89%	45	56%	45	36%	45	27%	16	56%	45
Wajir	13%	54	33%	54	68%	54	48%	54	17%	54	36%	14	32%	54
West pokot	14%	56	36%	56	90%	56	60%	56	17%	56	21%	7	68%	56
Facility type														
Secondary & tertiary hospitals	70%	20	90%	20	85%	20	60%	20	90%	20	100%	20	75%	20
Public primary hospitals	43%	307	74%	307	90%	307	78%	307	62%	307	69%	288	73%	307
Private/ngo/ fbo primary hospitals	93%	84	79%	84	83%	84	46%	84	78%	84	68%	84	82%	84
Health centres	49%	465	58%	465	83%	465	62%	465	51%	465	34%	259	54%	465
Dispensaries	25%	1261	47%	1261	82%	1261	67%	1261	30%	1261	15%	67	49%	1261
Medical clinics	48%	790	42%	790	48%	790	16%	790	37%	790	11%	93	46%	790
Managing authority														
Government	23%	1658	51%	1658	85%	1658	73%	1658	33%	1658	43%	457	52%	1658
Ngo / fbo	58%	323	53%	323	76%	323	56%	323	48%	323	52%	95	54%	323
Private	53%	946	45%	946	53%	946	16%	946	42%	946	30%	259	49%	946
Urban/rural														
Urban	56%	873	53%	873	62%	873	28%	873	50%	873	44%	345	53%	873
Rural	31%	2054	47%	2054	76%	2054	59%	2054	33%	2054	33%	466	50%	2054
Total	**39%**	**2927**	**49%**	**2927**	**71%**	**2927**	**49%**	**2927**	**38%**	**2927**	**38%**	**811**	**51%**	**2927**

Annex Table 125: Facility adherence to standards indicators by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

	Facility participates in external accreditation / licensing		Facility sharps disposal site has no visible waste observed		Commodity Storage conditions in main pharmacy meet basic guideline requirements		Facility vaccine storage conditions meet basic temperature monitoring requirements		Facility has performed an outbreak preparedness practice drill in the past 12 months		Facility has guidelines on identifying and managing drug-use problems		Facility Laboratory participates in implementing QA mechanisms	
County	%	N	%	N	%	N	%	N	%	N	%	N	%	N
Baringo	8%	63	81%	58	12%	60	85%	50	0%	63	37%	63	20%	63
Bomet	43%	56	75%	56	38%	54	78%	47	5%	56	55%	56	46%	56
Bungoma	12%	67	61%	62	31%	63	88%	52	2%	67	52%	67	43%	67
Busia	42%	56	68%	53	13%	50	82%	40	8%	56	69%	56	61%	56
Elgeyo-marakwet	7%	53	57%	52	10%	50	52%	49	0%	53	33%	53	31%	53
Embu	15%	63	80%	63	22%	61	61%	36	3%	63	48%	63	30%	63
Garissa	2%	59	63%	52	22%	56	86%	34	1%	59	9%	59	34%	59
Homa bay	38%	74	50%	42	36%	73	75%	68	6%	74	59%	74	46%	74
Isiolo	18%	36	80%	35	39%	36	96%	30	0%	36	57%	36	25%	36
Kajiado	15%	67	83%	66	13%	66	64%	46	3%	67	35%	67	42%	67
Kakamega	53%	73	80%	70	31%	66	87%	53	4%	73	49%	73	33%	73
Kericho	22%	63	67%	51	7%	62	75%	57	5%	63	48%	63	23%	63
Kiambu	38%	86	73%	75	15%	85	84%	42	4%	86	26%	86	54%	86
Kilifi	12%	69	45%	65	8%	34	88%	42	3%	69	33%	69	14%	69
Kirinyaga	13%	63	68%	61	17%	62	100%	29	0%	63	8%	63	31%	63
Kisii	17%	75	57%	66	29%	71	84%	63	8%	75	46%	75	36%	75
Kisumu	38%	73	52%	73	26%	68	87%	57	8%	73	59%	73	51%	73
Kitui	7%	75	57%	67	32%	71	74%	57	0%	75	16%	75	17%	75
Kwale	5%	54	46%	53	18%	54	68%	41	0%	54	19%	54	37%	54
Laikipia	4%	58	11%	57	39%	55	92%	41	2%	58	75%	58	23%	58
Lamu	6%	34	92%	32	21%	34	86%	23	0%	34	20%	34	28%	34
Machakos	8%	71	69%	66	20%	70	76%	47	2%	71	33%	71	26%	71
Makueni	3%	73	58%	55	16%	73	79%	55	5%	73	56%	73	41%	73
Mandera	4%	54	64%	49	16%	54	63%	37	2%	54	24%	54	16%	54
Marsabit	7%	48	47%	42	9%	48	88%	40	0%	48	35%	48	15%	48
Meru	23%	83	64%	82	11%	83	75%	45	4%	83	17%	83	29%	83
Migori	14%	69	85%	69	28%	54	69%	56	1%	69	27%	69	40%	69
Mombasa	28%	70	69%	69	17%	69	82%	32	8%	70	49%	70	51%	70
Murang'a	54%	67	97%	66	39%	57	81%	41	1%	67	61%	67	33%	67
Nairobi	69%	89	98%	89	20%	85	70%	65	13%	89	60%	89	56%	89
Nakuru	35%	87	79%	78	11%	85	85%	66	3%	87	53%	87	50%	87
Nandi	13%	62	89%	61	30%	58	76%	49	0%	62	41%	62	45%	62
Narok	18%	59	86%	58	64%	58	68%	53	1%	59	20%	59	41%	59
Nyamira	41%	61	89%	58	41%	59	78%	57	6%	61	63%	61	52%	61
Nyandarua	6%	57	85%	56	33%	56	96%	30	1%	57	39%	57	49%	57
Nyeri	25%	72	74%	70	13%	72	93%	33	0%	72	34%	72	23%	72
Samburu	23%	41	26%	37	30%	37	83%	31	5%	41	68%	41	28%	41
Siaya	13%	69	37%	67	51%	63	69%	54	8%	69	39%	69	42%	69
Taita taveta	12%	49	91%	49	43%	48	68%	35	8%	49	45%	49	54%	49
Tana river	7%	38	87%	37	3%	32	70%	28	2%	38	23%	38	29%	38
Tharaka-nithi	7%	55	81%	55	43%	50	73%	39	2%	55	29%	55	38%	55

	Facility participates in external accreditation / licensing		Facility sharps disposal site has no visible waste observed		Commodity Storage conditions in main pharmacy meet basic guideline requirements		Facility vaccine storage conditions meet basic temperature monitoring requirements		Facility has performed an outbreak preparedness practice drill in the past 12 months		Facility has guidelines on identifying and managing drug-use problems		Facility Laboratory participates in implementing QA mechanisms	
County	%	N	%	N	%	N	%	N	%	N	%	N	%	N
Trans nzoia	11%	58	73%	56	23%	57	39%	47	3%	58	27%	58	32%	58
Turkana	1%	61	47%	60	19%	61	82%	47	3%	61	4%	61	16%	61
Uasin gishu	20%	62	66%	57	25%	58	85%	53	5%	62	25%	62	29%	62
Vihiga	48%	45	66%	45	12%	42	62%	39	4%	45	43%	45	45%	45
Wajir	3%	54	40%	53	6%	54	76%	38	3%	54	16%	54	12%	54
West pokot	12%	56	88%	49	11%	53	53%	44	2%	56	36%	56	18%	56
Facility type														
Secondary & tertiary hospitals	80%	20	65%	20	60%	20	100%	19	45%	20	80%	20	95%	20
Public primary hospitals	41%	307	64%	295	41%	301	93%	300	11%	307	70%	307	86%	307
Private/ngo/fbo primary hospitals	68%	84	67%	80	32%	79	73%	69	32%	84	67%	84	75%	84
Health centres	30%	465	71%	439	31%	444	83%	392	5%	465	47%	465	61%	465
Dispensaries	15%	1261	66%	1186	28%	1200	76%	1128	2%	1261	41%	1261	26%	1261
Medical clinics	27%	790	76%	722	8%	723	68%	210	2%	790	27%	790	30%	790
Managing authority														
Government	17%	1658	65%	1567	31%	1599	79%	1547	2%	1658	46%	1658	35%	1658
Ngo / fbo	30%	323	72%	306	28%	304	79%	249	9%	323	42%	323	54%	323
Private	31%	946	77%	869	10%	864	69%	322	5%	946	29%	946	34%	946
Urban/rural														
Urban	37%	873	76%	809	17%	809	75%	452	8%	873	38%	873	46%	873
Rural	18%	2054	67%	1933	25%	1958	78%	1666	2%	2054	40%	2054	32%	2054
Total	**24%**	**2927**	**70%**	**2742**	**22%**	**2767**	**77%**	**2118**	**4%**	**2927**	**39%**	**2927**	**37%**	**2927**

Annex Table 126: Management systems to support facility functionality, efficiency, and accountability indicators by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

County	Core management team responsible for oversight of the day-to-day functioning of the facility	Core management team structured as per norms and standards	Routine system for including community representation for some aspects of the management teamwork	Facility has conducted a committee/ board meeting in past one month	Facility has written notes/ minutes from the most recent management committee meeting	Facility has formal systems for linking with community health workers	Facility has a functional community unit	Total number of facilities
Baringo	93%	90%	35%	38%	67%	44%	30%	63
Bomet	68%	59%	41%	18%	35%	66%	26%	56
Bungoma	76%	66%	59%	34%	53%	69%	16%	67
Busia	87%	78%	66%	42%	56%	77%	24%	56
Elgeyo-marakwet	96%	90%	74%	51%	63%	65%	39%	53
Embu	68%	50%	29%	23%	36%	28%	19%	63
Garissa	55%	37%	33%	5%	17%	39%	20%	59
Homa bay	74%	71%	60%	38%	38%	80%	47%	74
Isiolo	82%	77%	65%	38%	46%	71%	40%	36
Kajiado	61%	32%	29%	21%	31%	37%	19%	67
Kakamega	74%	61%	61%	39%	51%	63%	9%	73
Kericho	73%	62%	46%	33%	60%	43%	12%	63
Kiambu	69%	41%	18%	25%	22%	19%	5%	86
Kilifi	71%	47%	34%	12%	33%	38%	13%	69
Kirinyaga	58%	30%	11%	24%	28%	32%	12%	63
Kisii	69%	59%	53%	31%	52%	61%	17%	75
Kisumu	69%	59%	46%	37%	45%	72%	32%	73
Kitui	47%	27%	21%	10%	26%	34%	9%	75
Kwale	80%	53%	62%	32%	51%	68%	22%	54
Laikipia	40%	25%	11%	26%	24%	54%	4%	58
Lamu	54%	42%	34%	23%	34%	63%	55%	34
Machakos	69%	53%	37%	22%	40%	28%	14%	71
Makueni	50%	45%	31%	34%	47%	40%	17%	73
Mandera	66%	50%	20%	31%	22%	38%	17%	54
Marsabit	100%	94%	87%	29%	73%	66%	52%	48
Meru	56%	41%	29%	21%	28%	26%	9%	83
Migori	76%	56%	47%	23%	44%	68%	37%	69
Mombasa	51%	40%	23%	21%	39%	32%	13%	70
Murang'a	63%	45%	45%	25%	13%	61%	33%	67
Nairobi	71%	48%	18%	46%	48%	28%	0%	89
Nakuru	59%	51%	31%	29%	43%	41%	20%	87
Nandi	58%	53%	36%	23%	25%	34%	14%	62
Narok	88%	80%	68%	32%	73%	46%	25%	59
Nyamira	80%	54%	31%	22%	34%	69%	53%	61
Nyandarua	56%	52%	50%	20%	48%	39%	30%	57
Nyeri	65%	36%	24%	19%	30%	38%	19%	72
Samburu	92%	85%	68%	37%	71%	52%	37%	41
Siaya	78%	65%	48%	35%	49%	76%	31%	69
Taita taveta	88%	71%	44%	30%	57%	55%	50%	49
Tana river	45%	32%	14%	12%	15%	75%	48%	38

County	Core management team responsible for oversight of the day-to-day functioning of the facility	Core management team structured as per norms and standards	Routine system for including community representation for some aspects of the management teamwork	Facility has conducted a committee/ board meeting in past one month	Facility has written notes/ minutes from the most recent management committee meeting	Facility has formal systems for linking with community health workers	Facility has a functional community unit	Total number of facilities
Tharaka-nithi	68%	55%	53%	44%	52%	36%	16%	55
Trans nzoia	44%	41%	25%	15%	23%	53%	19%	58
Turkana	90%	83%	74%	41%	57%	71%	68%	61
Uasin gishu	68%	49%	37%	29%	48%	53%	34%	62
Vihiga	68%	37%	40%	32%	41%	70%	29%	45
Wajir	54%	39%	15%	15%	30%	50%	29%	54
West pokot	67%	64%	43%	25%	59%	49%	35%	56
Facility type								
Secondary & tertiary hospitals	100%	100%	50%	70%	80%	40%	5%	20
Public primary hospitals	92%	86%	59%	48%	67%	83%	24%	307
Private/ngo/fbo primary hospitals	93%	77%	38%	65%	60%	43%	11%	84
Health centres	81%	66%	49%	38%	53%	61%	26%	465
Dispensaries	75%	65%	53%	29%	52%	62%	33%	1261
Medical clinics	45%	22%	8%	16%	14%	15%	4%	790
Managing authority								
Government	79%	70%	58%	33%	57%	71%	35%	1658
Ngo / fbo	77%	61%	46%	36%	45%	47%	17%	323
Private	50%	27%	9%	20%	19%	15%	5%	946
Urban/rural								
Urban	63%	43%	19%	28%	32%	25%	8%	873
Rural	70%	57%	46%	28%	45%	57%	28%	2054
Total	**67%**	**52%**	**37%**	**28%**	**40%**	**46%**	**21%**	**2927**

Annex Table 127: Systems to improve accountability indicators by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

County	System for determining client opinions	Routine procedure for reviewing or reporting on client opinions	Information from patient surveys such as client satisfaction survey discussed	Total number of facilities
Baringo	72%	10%	0%	63
Bomet	38%	14%	8%	56
Bungoma	52%	14%	8%	67
Busia	71%	33%	13%	56
Elgeyo-marakwet	46%	4%	13%	53
Embu	55%	8%	15%	63
Garissa	11%	6%	17%	59
Homa bay	50%	24%	17%	74
Isiolo	19%	5%	17%	36
Kajiado	59%	12%	18%	67
Kakamega	70%	26%	18%	73
Kericho	34%	14%	21%	63
Kiambu	66%	14%	21%	86
Kilifi	61%	20%	21%	69
Kirinyaga	53%	13%	23%	63
Kisii	58%	9%	25%	75
Kisumu	73%	51%	25%	73
Kitui	28%	4%	27%	75
Kwale	34%	5%	29%	54
Laikipia	60%	17%	30%	58
Lamu	23%	6%	32%	34
Machakos	56%	16%	33%	71
Makueni	55%	18%	37%	73
Mandera	28%	6%	39%	54
Marsabit	63%	33%	39%	48
Meru	45%	10%	41%	83
Migori	58%	15%	41%	69
Mombasa	54%	38%	44%	70
Murang'a	50%	6%	45%	67
Nairobi	72%	47%	46%	89
Nakuru	49%	16%	48%	87
Nandi	32%	8%	50%	62
Narok	29%	10%	51%	59
Nyamira	80%	35%	52%	61
Nyandarua	62%	41%	53%	57
Nyeri	55%	10%	53%	72
Samburu	72%	58%	54%	41
Siaya	73%	20%	54%	69

County	System for determining client opinions	Routine procedure for reviewing or reporting on client opinions	Information from patient surveys such as client satisfaction survey discussed	Total number of facilities
Taita taveta	85%	23%	55%	49
Tana river	33%	14%	56%	38
Tharaka-nithi	60%	11%	56%	55
Trans nzoia	30%	8%	56%	58
Turkana	19%	5%	57%	61
Uasin gishu	56%	12%	59%	62
Vihiga	60%	5%	61%	45
Wajir	33%	3%	65%	54
West pokot	34%	14%	81%	56
Facility type				
Secondary & tertiary hospitals	90%	60%	93%	20
Public primary hospitals	81%	37%	86%	307
Private/ngo/fbo primary hospitals	85%	50%	83%	84
Health centres	71%	25%	54%	465
Dispensaries	45%	12%	33%	1261
Medical clinics	49%	17%	25%	790
Managing authority				
Government	51%	14%	34%	1658
Ngo / fbo	59%	27%	42%	323
Private	53%	20%	52%	946
Urban/rural				
Urban	61%	28%	45%	873
Rural	49%	13%	38%	2054
Total	**53%**	**18%**	**41%**	**2927**

Annex Table 128: Facility-level external supervision for management indicators by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

County	Facility receives any external supervision, such as from sub-county, county or national offices	Facility received external supervision visit within the past 3 months	Facility has documentation from external supervisory visits during the past 3 months	Facility submits any reports externally, that are to an office outside the facility	Total number of facilities
Baringo	96%	81%	76%	97%	63
Bomet	98%	91%	72%	92%	56
Bungoma	92%	87%	78%	94%	67
Busia	98%	85%	80%	95%	56
Elgeyo-marakwet	98%	62%	58%	98%	53
Embu	98%	57%	42%	97%	63
Garissa	58%	48%	42%	58%	59
Homa bay	93%	75%	52%	93%	74
Isiolo	96%	93%	84%	91%	36
Kajiado	95%	67%	54%	90%	67
Kakamega	98%	79%	67%	97%	73
Kericho	96%	73%	66%	98%	63
Kiambu	96%	46%	31%	90%	86
Kilifi	96%	69%	50%	88%	69
Kirinyaga	90%	54%	34%	76%	63
Kisii	97%	86%	77%	96%	75
Kisumu	95%	86%	68%	75%	73
Kitui	97%	83%	77%	98%	75
Kwale	95%	73%	55%	92%	54
Laikipia	86%	64%	59%	96%	58
Lamu	97%	94%	91%	91%	34
Machakos	96%	73%	59%	96%	71
Makueni	92%	77%	73%	95%	73
Mandera	90%	77%	11%	66%	54
Marsabit	95%	88%	86%	81%	48
Meru	85%	54%	32%	75%	83
Migori	94%	87%	78%	98%	69
Mombasa	92%	69%	57%	89%	70
Murang'a	92%	46%	42%	89%	67
Nairobi	94%	68%	58%	91%	89
Nakuru	99%	77%	72%	100%	87
Nandi	92%	65%	49%	95%	62
Narok	98%	79%	76%	100%	59
Nyamira	98%	85%	82%	97%	61
Nyandarua	96%	90%	71%	96%	57
Nyeri	91%	50%	42%	91%	72
Samburu	95%	90%	87%	95%	41

County	Facility receives any external supervision, such as from sub-county, county or national offices	Facility received external supervision visit within the past 3 months	Facility has documentation from external supervisory visits during the past 3 months	Facility submits any reports externally, that are to an office outside the facility	Total number of facilities
Siaya	95%	76%	65%	99%	69
Taita taveta	98%	83%	66%	97%	49
Tana river	97%	83%	56%	87%	38
Tharaka-nithi	92%	71%	56%	94%	55
Trans nzoia	90%	67%	58%	90%	58
Turkana	97%	78%	71%	95%	61
Uasin gishu	98%	83%	73%	99%	62
Vihiga	97%	89%	83%	100%	45
Wajir	83%	68%	55%	72%	54
West pokot	95%	90%	82%	90%	56
Facility type					
Secondary & tertiary hospitals	95%	85%	60%	95%	20
Public primary hospitals	98%	90%	76%	91%	307
Private/ngo/fbo primary hospitals	97%	83%	68%	94%	84
Health centres	96%	83%	71%	96%	465
Dispensaries	98%	82%	73%	98%	1261
Medical clinics	86%	48%	32%	79%	790
Managing authority					
Government	98%	85%	76%	98%	1658
Ngo / fbo	96%	76%	65%	98%	323
Private	88%	53%	37%	84%	946
Urban/rural					
Urban	89%	62%	46%	83%	873
Rural	96%	76%	66%	96%	2054
Total	**94%**	**71%**	**59%**	**92%**	**2927**

Annex Table 129: Main source of pharmaceutical commodity supplies among facilities that stock pharmaceutical commodities by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

County	Main source of routine pharmaceutical commodity supplies - KEMSA	Main source of routine pharmaceutical commodity supplies - MEDS	Main source of routine pharmaceutical commodity supplies - NGOs/Donors	Main source of routine pharmaceutical commodity supplies - Private sources	Main source of routine pharmaceutical commodity supplies - Local suppliers	Main source of routine pharmaceutical commodity supplies - Other	Total number of facilities
Baringo	94%	0%	0%	6%	0%	0%	57
Bomet	81%	2%	2%	15%	0%	0%	53
Bungoma	75%	0%	0%	16%	5%	4%	46
Busia	61%	17%	0%	15%	4%	2%	51
Elgeyo-marakwet	90%	0%	0%	2%	0%	8%	51
Embu	52%	13%	2%	33%	0%	0%	60
Garissa	59%	5%	0%	21%	14%	2%	48
Homa bay	75%	1%	2%	17%	5%	0%	68
Isiolo	73%	6%	0%	16%	3%	3%	35
Kajiado	37%	17%	0%	37%	4%	6%	55
Kakamega	61%	5%	0%	22%	6%	6%	63
Kericho	72%	1%	2%	21%	2%	2%	55
Kiambu	19%	19%	0%	48%	14%	0%	83
Kilifi	78%	2%	0%	0%	16%	4%	38
Kirinyaga	49%	13%	0%	24%	15%	0%	55
Kisii	67%	2%	5%	12%	15%	0%	70
Kisumu	62%	8%	0%	17%	4%	9%	60
Kitui	77%	0%	0%	15%	5%	3%	67
Kwale	75%	2%	0%	20%	0%	2%	51
Laikipia	65%	13%	0%	9%	13%	0%	48
Lamu	80%	0%	0%	17%	0%	3%	32
Machakos	37%	11%	0%	35%	8%	10%	64
Makueni	76%	3%	0%	14%	5%	2%	71
Mandera	59%	0%	0%	34%	6%	0%	53
Marsabit	85%	0%	0%	15%	0%	0%	48
Meru	36%	9%	0%	39%	10%	7%	70
Migori	71%	3%	0%	5%	18%	3%	63
Mombasa	20%	2%	4%	27%	44%	4%	61
Murang'a	16%	12%	0%	18%	32%	22%	59
Nairobi	16%	26%	0%	57%	0%	1%	85
Nakuru	45%	9%	0%	21%	17%	7%	74
Nandi	69%	1%	0%	28%	2%	0%	58
Narok	8%	70%	3%	17%	2%	0%	59

County	Main source of routine pharmaceutical commodity supplies - KEMSA	Main source of routine pharmaceutical commodity supplies - MEDS	Main source of routine pharmaceutical commodity supplies - NGOs/Donors	Main source of routine pharmaceutical commodity supplies - Private sources	Main source of routine pharmaceutical commodity supplies - Local suppliers	Main source of routine pharmaceutical commodity supplies - Other	Total number of facilities
Nyamira	64%	6%	0%	24%	2%	4%	60
Nyandarua	44%	5%	0%	41%	6%	4%	56
Nyeri	32%	8%	0%	43%	16%	2%	70
Samburu	83%	2%	0%	15%	0%	0%	34
Siaya	67%	6%	0%	16%	11%	0%	62
Taita taveta	68%	10%	2%	10%	10%	0%	43
Tana river	100%	0%	0%	0%	0%	0%	25
Tharaka-nithi	65%	0%	0%	25%	2%	8%	54
Trans nzoia	56%	2%	2%	29%	0%	11%	51
Turkana	91%	4%	1%	4%	0%	0%	51
Uasin gishu	69%	5%	0%	13%	13%	0%	58
Vihiga	57%	3%	0%	35%	5%	0%	39
Wajir	84%	2%	0%	12%	2%	0%	52
West pokot	12%	50%	0%	14%	0%	24%	52
Facility type							
Secondary & tertiary hospitals	58%	16%	0%	21%	0%	5%	19
Public primary hospitals	89%	3%	0%	0%	1%	7%	295
Private/ngo/fbo primary hospitals	4%	37%	1%	38%	14%	7%	77
Health centres	57%	11%	0%	22%	6%	4%	432
Dispensaries	81%	9%	0%	4%	2%	3%	1161
Medical clinics	8%	7%	1%	60%	19%	4%	634
Managing authority							
Government	91%	4%	0%	1%	1%	3%	1552
Ngo / fbo	35%	40%	2%	20%	6%	3%	286
Private	9%	7%	1%	61%	19%	5%	780
Urban/rural							
Urban	20%	14%	1%	46%	15%	4%	727
Rural	67%	8%	0%	16%	6%	3%	1891
Total	**52%**	**10%**	**1%**	**25%**	**9%**	**4%**	**2618**

Annex Table 130: Pharmaceutical commodity reporting systems indicators among facilities that stock pharmaceutical commodities by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

County	Facility has record that shows individual pharmacy commodities received, disbursed, and balances	Facility has record that shows expired/ unusable drugs being removed from inventory	Facility has Yellow PPB form (register or report form where adverse reactions are recorded)	Facility has Pink PPB form (for recording substandard quality stock)	Facility has all reporting systems in place	Total number of facilities
Baringo	98%	69%	27%	45%	21%	54
Bomet	94%	71%	31%	59%	27%	53
Bungoma	78%	75%	79%	76%	64%	46
Busia	87%	71%	63%	74%	55%	48
Elgeyo-marakwet	90%	75%	20%	31%	9%	49
Embu	65%	32%	42%	40%	19%	59
Garissa	58%	43%	35%	17%	12%	45
Homa bay	91%	69%	62%	75%	45%	66
Isiolo	100%	64%	21%	16%	15%	33
Kajiado	66%	42%	18%	16%	8%	53
Kakamega	75%	65%	47%	47%	37%	59
Kericho	80%	45%	37%	45%	25%	55
Kiambu	63%	42%	22%	23%	14%	82
Kilifi	77%	40%	21%	47%	2%	13
Kirinyaga	56%	45%	23%	23%	23%	55
Kisii	82%	80%	46%	45%	42%	66
Kisumu	98%	71%	44%	39%	28%	59
Kitui	72%	33%	9%	13%	4%	67
Kwale	79%	43%	31%	31%	27%	50
Laikipia	84%	89%	85%	85%	78%	48
Lamu	77%	59%	33%	26%	23%	32
Machakos	75%	47%	26%	22%	7%	62
Makueni	82%	40%	19%	16%	7%	70
Mandera	64%	53%	11%	9%	5%	53
Marsabit	67%	42%	8%	10%	5%	48
Meru	63%	51%	14%	15%	11%	69
Migori	58%	44%	43%	45%	30%	49
Mombasa	74%	65%	30%	24%	23%	61
Murang'a	66%	16%	14%	12%	4%	53
Nairobi	41%	37%	26%	24%	16%	83
Nakuru	83%	75%	58%	58%	53%	74
Nandi	89%	89%	53%	53%	53%	54
Narok	79%	58%	30%	28%	22%	58

County	Facility has record that shows individual pharmacy commodities received, disbursed, and balances	Facility has record that shows expired/ unusable drugs being removed from inventory	Facility has Yellow PPB form (register or report form where adverse reactions are recorded)	Facility has Pink PPB form (for recording substandard quality stock)	Facility has all reporting systems in place	Total number of facilities
Nyamira	83%	66%	42%	36%	33%	58
Nyandarua	94%	84%	39%	37%	37%	56
Nyeri	48%	41%	20%	21%	17%	70
Samburu	97%	97%	68%	68%	68%	32
Siaya	80%	71%	39%	39%	33%	56
Taita taveta	83%	61%	44%	44%	34%	43
Tana river	65%	14%	14%	46%	5%	20
Tharaka-nithi	75%	49%	47%	45%	36%	49
Trans nzoia	71%	28%	3%	6%	1%	50
Turkana	94%	74%	3%	23%	1%	49
Uasin gishu	80%	67%	23%	22%	17%	58
Vihiga	71%	52%	36%	41%	31%	39
Wajir	81%	62%	31%	40%	26%	52
West pokot	66%	52%	33%	22%	20%	49
Facility type						
Secondary & tertiary hospitals	100%	100%	95%	95%	95%	19
Public primary hospitals	98%	87%	77%	77%	68%	286
Private/ngo/fbo primary hospitals	87%	76%	41%	39%	31%	76
Health centres	77%	62%	40%	39%	31%	411
Dispensaries	89%	62%	36%	40%	26%	1100
Medical clinics	42%	32%	14%	13%	8%	615
Managing authority						
Government	93%	68%	43%	46%	33%	1478
Ngo / fbo	76%	58%	33%	36%	26%	277
Private	45%	34%	16%	14%	9%	752
Urban/rural						
Urban	56%	46%	27%	25%	18%	695
Rural	81%	58%	34%	36%	25%	1812
Total	**73%**	**54%**	**32%**	**33%**	**23%**	**2507**

Annex Table 131: Infection prevention and control monitoring system indicators by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

County	Facility has IPC guidelines	Facility has technical IPC committee	Facility has multidisciplinary meetings where IPC results are reported/ reviewed	Facility has specifically assigned staff to IPC monitoring activities	Any persons responsible for IPC have been trained in a certified infection prevention and control course	Guidelines or protocols for cleaning the facility such as the floors, counters, and beds	Total number of facilities
Baringo	42%	5%	25%	17%	13%	13%	63
Bomet	44%	17%	36%	36%	22%	22%	56
Bungoma	41%	28%	24%	24%	16%	16%	67
Busia	71%	47%	77%	74%	35%	35%	56
Elgeyo-marakwet	28%	23%	89%	8%	2%	2%	53
Embu	33%	15%	12%	12%	6%	6%	63
Garissa	13%	12%	14%	14%	13%	13%	59
Homa bay	39%	49%	53%	53%	13%	13%	74
Isiolo	36%	20%	39%	37%	7%	7%	36
Kajiado	28%	15%	16%	11%	13%	13%	67
Kakamega	61%	51%	73%	72%	7%	7%	73
Kericho	50%	28%	49%	49%	32%	32%	63
Kiambu	39%	16%	42%	35%	14%	14%	86
Kilifi	40%	15%	53%	50%	27%	27%	69
Kirinyaga	19%	15%	12%	11%	2%	2%	63
Kisii	50%	49%	58%	58%	18%	18%	75
Kisumu	50%	46%	55%	43%	38%	38%	73
Kitui	26%	18%	22%	22%	14%	14%	75
Kwale	22%	16%	19%	18%	10%	10%	54
Laikipia	51%	21%	22%	22%	4%	4%	58
Lamu	17%	20%	13%	8%	8%	8%	34
Machakos	44%	12%	27%	27%	15%	15%	71
Makueni	53%	11%	35%	28%	6%	6%	73
Mandera	4%	8%	26%	21%	2%	2%	54
Marsabit	42%	18%	31%	31%	15%	15%	48
Meru	27%	18%	37%	14%	13%	13%	83
Migori	41%	46%	59%	55%	11%	11%	69
Mombasa	48%	36%	39%	25%	43%	43%	70
Murang'a	26%	12%	9%	8%	4%	4%	67
Nairobi	47%	48%	49%	28%	26%	26%	89
Nakuru	39%	26%	56%	37%	12%	12%	87
Nandi	14%	4%	7%	6%	1%	1%	62
Narok	28%	7%	93%	84%	6%	6%	59
Nyamira	70%	36%	66%	66%	32%	32%	61
Nyandarua	51%	39%	47%	46%	34%	34%	57
Nyeri	27%	12%	78%	36%	11%	11%	72
Samburu	57%	23%	26%	26%	35%	35%	41
Siaya	44%	52%	63%	58%	6%	6%	69
Taita taveta	57%	28%	72%	72%	11%	11%	49
Tana river	22%	10%	7%	7%	40%	40%	38

County	Facility has IPC guidelines	Facility has technical IPC committee	Facility has multidisciplinary meetings where IPC results are reported/ reviewed	Facility has specifically assigned staff to IPC monitoring activities	Any persons responsible for IPC have been trained in a certified infection prevention and control course	Guidelines or protocols for cleaning the facility such as the floors, counters, and beds	Total number of facilities
Tharaka-nithi	34%	13%	18%	15%	11%	11%	55
Trans nzoia	22%	19%	46%	43%	5%	5%	58
Turkana	13%	14%	11%	11%	1%	1%	61
Uasin gishu	35%	23%	59%	44%	13%	13%	62
Vihiga	41%	31%	73%	65%	2%	2%	45
Wajir	15%	3%	23%	23%	11%	11%	54
West pokot	36%	9%	33%	32%	14%	14%	56
Facility type							
Secondary & tertiary hospitals	85%	90%	90%	70%	40%	40%	20
Public primary hospitals	69%	84%	77%	65%	29%	29%	307
Private/ngo/ fbo primary hospitals	66%	69%	69%	60%	48%	48%	84
Health centres	50%	41%	56%	45%	19%	19%	465
Dispensaries	34%	19%	35%	27%	11%	11%	1261
Medical clinics	31%	14%	37%	28%	14%	14%	790
Managing authority							
Government	39%	28%	42%	33%	12%	12%	1658
Ngo / fbo	42%	33%	48%	40%	20%	20%	323
Private	34%	17%	39%	31%	17%	17%	946
Urban/rural							
Urban	39%	30%	44%	33%	20%	20%	873
Rural	37%	22%	40%	33%	13%	13%	2054
Total	**38%**	**24%**	**42%**	**33%**	**15%**	**15%**	**2927**

Annex Table 132: System for maintenance and repair of infrastructure indicators by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

County	Facility carries out preventive and corrective maintenance for any systems	Facility follows a routine maintenance schedule for any vehicles	Facility carries out preventive and corrective maintenance for electric systems	Facility carries out preventive and corrective maintenance for water systems	Facility carries out preventive and corrective maintenance for sanitation and sewage systems	Facility carries out preventive and corrective maintenance for ventilation systems	Facility carries out preventive and corrective maintenance for medical systems	Facility carries out preventive and corrective maintenance for communication systems	Facility carries out preventive and corrective maintenance for firefighting systems	Facility carries out preventive and corrective maintenance for air conditioning systems	Facility carries out preventive and corrective maintenance for internet	Facility carries out preventive and corrective maintenance for ICT systems	Facility follows routine preventive maintenance for generator	Facility follows routine preventive maintenance for solar system	Facility follows routine preventive maintenance for water pump	Facility follows routine preventive maintenance for incinerator	Facility follows routine preventive maintenance for autoclave	Facility follows routine preventive maintenance for dry heat sterilization equipment	Total number of facilities
Baringo	26%	7%	4%	4%	4%	2%	2%	0%	2%	0%	5%	3%	4%	0%	0%	0%	4%	0%	63
Bomet	78%	12%	21%	20%	25%	26%	13%	5%	14%	6%	10%	14%	15%	5%	12%	6%	17%	5%	56
Bungoma	23%	11%	7%	11%	5%	6%	3%	4%	3%	3%	3%	4%	5%	6%	3%	2%	5%	3%	67
Busia	74%	9%	16%	14%	17%	13%	9%	13%	9%	10%	15%	14%	9%	8%	8%	7%	17%	8%	56
Elgeyo-marakwet	32%	13%	5%	12%	6%	5%	2%	1%	3%	1%	0%	5%	2%	0%	3%	1%	9%	4%	53
Embu	24%	2%	10%	4%	8%	8%	2%	2%	5%	5%	7%	6%	9%	4%	1%	1%	10%	1%	63
Garissa	12%	4%	6%	6%	6%	4%	6%	2%	2%	4%	6%	6%	2%	2%	4%	2%	4%	2%	59
Homa bay	59%	13%	35%	35%	21%	17%	12%	27%	14%	16%	24%	29%	5%	13%	5%	6%	34%	19%	74
Isiolo	22%	22%	20%	20%	16%	14%	9%	5%	7%	6%	18%	15%	14%	8%	14%	12%	20%	7%	36
Kajiado	39%	15%	21%	22%	16%	9%	17%	6%	11%	3%	19%	19%	19%	4%	13%	7%	19%	10%	67
Kakamega	46%	7%	10%	11%	7%	5%	6%	8%	7%	3%	7%	13%	10%	5%	11%	7%	14%	4%	73
Kericho	26%	10%	13%	13%	11%	13%	7%	2%	13%	8%	11%	10%	13%	0%	17%	6%	20%	17%	63
Kiambu	50%	15%	22%	23%	20%	18%	15%	5%	21%	8%	18%	20%	22%	4%	6%	14%	38%	4%	86
Kilifi	42%	7%	13%	13%	11%	11%	6%	1%	9%	4%	9%	10%	12%	4%	9%	7%	15%	3%	69
Kirinyaga	23%	19%	13%	11%	5%	4%	5%	0%	5%	3%	8%	8%	13%	0%	4%	0%	13%	10%	63
Kisii	52%	18%	25%	21%	12%	9%	15%	0%	14%	4%	19%	16%	21%	3%	12%	23%	38%	10%	75
Kisumu	40%	22%	25%	24%	19%	11%	11%	7%	19%	12%	12%	11%	20%	7%	17%	7%	24%	11%	73
Kitui	19%	3%	9%	10%	8%	8%	2%	5%	6%	5%	2%	2%	7%	4%	6%	3%	9%	10%	75
Kwale	16%	11%	16%	14%	12%	10%	2%	6%	5%	5%	5%	5%	4%	8%	7%	3%	2%	0%	54
Laikipia	63%	6%	20%	20%	18%	7%	13%	10%	19%	4%	13%	11%	9%	0%	3%	3%	15%	0%	58
Lamu	31%	5%	3%	3%	7%	2%	2%	0%	0%	3%	0%	2%	3%	2%	3%	3%	3%	3%	34
Machakos	39%	3%	26%	20%	25%	16%	15%	9%	18%	8%	14%	13%	11%	8%	6%	6%	25%	5%	71

County	Facility carries out preventive and corrective maintenance for any systems	Facility follows a routine maintenance schedule for any vehicles	Facility carries out preventive and corrective maintenance for electric systems	Facility carries out preventive and corrective maintenance for water systems	Facility carries out preventive and corrective maintenance for sanitation and sewage systems	Facility carries out preventive and corrective maintenance for ventilation systems	Facility carries out preventive and corrective maintenance for medical systems	Facility carries out preventive and corrective maintenance for communication systems	Facility carries out preventive and corrective maintenance for firefighting systems	Facility carries out preventive and corrective maintenance for air conditioning systems	Facility carries out preventive and corrective maintenance for internet	Facility carries out preventive and corrective maintenance for ICT systems	Facility follows routine preventive maintenance for generator	Facility follows routine preventive maintenance for solar system	Facility follows routine preventive maintenance for water pump	Facility follows routine preventive maintenance for incinerator	Facility follows routine preventive maintenance for autoclave	Facility follows routine preventive maintenance for dry heat sterilization equipment	Total number of facilities
Makueni	30%	6%	9%	5%	9%	6%	4%	0%	5%	2%	10%	9%	7%	4%	4%	6%	7%	2%	73
Mandera	21%	4%	4%	5%	0%	3%	4%	2%	2%	2%	3%	4%	11%	1%	4%	2%	6%	4%	54
Marsabit	43%	16%	18%	30%	29%	27%	12%	7%	7%	9%	16%	5%	6%	22%	19%	17%	25%	11%	48
Meru	57%	16%	22%	26%	20%	20%	9%	4%	17%	7%	13%	17%	12%	4%	3%	7%	18%	4%	83
Migori	22%	12%	12%	7%	9%	6%	2%	0%	3%	3%	9%	10%	6%	0%	1%	4%	9%	1%	69
Mombasa	81%	12%	54%	50%	51%	39%	19%	29%	40%	36%	39%	31%	22%	3%	34%	7%	43%	34%	70
Murang'a	61%	11%	19%	17%	17%	19%	5%	4%	11%	5%	8%	15%	8%	4%	6%	8%	15%	11%	67
Nairobi	83%	21%	51%	49%	48%	32%	34%	38%	57%	37%	55%	50%	50%	4%	35%	17%	69%	26%	89
Nakuru	53%	22%	36%	41%	38%	26%	14%	7%	18%	6%	20%	20%	20%	5%	15%	10%	26%	8%	87
Nandi	31%	16%	27%	26%	26%	10%	6%	9%	16%	2%	14%	8%	13%	0%	9%	9%	21%	1%	62
Narok	45%	9%	24%	28%	25%	30%	11%	7%	8%	12%	14%	14%	8%	11%	19%	12%	22%	3%	59
Nyamira	68%	9%	19%	16%	16%	14%	11%	2%	12%	0%	4%	1%	12%	6%	13%	10%	21%	4%	61
Nyandarua	42%	9%	33%	23%	16%	6%	4%	1%	11%	2%	18%	14%	5%	6%	4%	6%	32%	9%	57
Nyeri	45%	19%	17%	14%	12%	10%	6%	2%	11%	7%	15%	15%	8%	2%	7%	8%	29%	0%	72
Samburu	17%	15%	3%	1%	1%	4%	4%	5%	9%	3%	9%	9%	7%	3%	1%	3%	7%	4%	41
Siaya	44%	12%	13%	11%	11%	11%	8%	8%	7%	3%	8%	11%	6%	4%	5%	7%	22%	10%	69
Taita taveta	29%	7%	14%	5%	7%	10%	7%	3%	7%	4%	10%	10%	4%	0%	0%	3%	10%	7%	49
Tana river	26%	7%	12%	8%	5%	7%	7%	7%	5%	3%	8%	8%	0%	0%	3%	0%	1%	0%	38
Tharaka-nithi	18%	10%	3%	3%	3%	2%	1%	2%	2%	0%	3%	2%	3%	0%	0%	1%	5%	5%	55
Trans nzoia	37%	12%	12%	12%	7%	1%	7%	1%	14%	1%	7%	9%	10%	8%	8%	4%	11%	1%	58
Turkana	9%	7%	4%	3%	3%	3%	4%	4%	3%	4%	4%	4%	4%	4%	1%	4%	4%	4%	61
Uasin gishu	30%	25%	14%	16%	15%	11%	13%	6%	8%	7%	11%	13%	13%	4%	8%	7%	15%	7%	62
Vihiga	51%	4%	9%	9%	11%	9%	4%	3%	8%	4%	6%	8%	7%	0%	6%	3%	7%	7%	45
Wajir	17%	5%	3%	5%	1%	5%	1%	0%	1%	1%	3%	1%	3%	0%	1%	1%	3%	1%	54
West pokot	21%	4%	5%	4%	4%	5%	3%	2%	5%	5%	5%	5%	6%	0%	2%	3%	6%	6%	56

County	Facility carries out preventive and corrective maintenance for any systems	Facility follows a routine maintenance schedule for any vehicles	Facility carries out preventive and corrective maintenance for electric systems	Facility carries out preventive and corrective maintenance for water systems	Facility carries out preventive and corrective maintenance for sanitation and sewage systems	Facility carries out preventive and corrective maintenance for ventilation systems	Facility carries out preventive and corrective maintenance for medical systems	Facility carries out preventive and corrective maintenance for communication systems	Facility carries out preventive and corrective maintenance for firefighting systems	Facility carries out preventive and corrective maintenance for air conditioning systems	Facility carries out preventive and corrective maintenance for internet	Facility carries out preventive and corrective maintenance for ICT systems	Facility follows routine preventive maintenance for generator	Facility follows routine preventive maintenance for solar system	Facility follows routine preventive maintenance for water pump	Facility follows routine preventive maintenance for incinerator	Facility follows routine preventive maintenance for autoclave	Facility follows routine preventive maintenance for dry heat sterilization equipment	Total number of facilities
Facility type																			
Secondary & tertiary hospitals	85%	85%	70%	75%	70%	50%	80%	55%	65%	65%	70%	70%	85%	20%	80%	60%	95%	70%	20
Public primary hospitals	67%	56%	36%	33%	32%	25%	35%	15%	24%	18%	28%	29%	42%	7%	22%	25%	41%	22%	307
Private/ngo/ fbo primary hospitals	89%	66%	74%	71%	67%	59%	70%	48%	57%	50%	71%	71%	77%	25%	60%	42%	85%	46%	84
Health centres	55%	17%	27%	25%	23%	19%	15%	11%	19%	10%	18%	19%	18%	7%	13%	12%	32%	12%	465
Dispensaries	30%	6%	10%	10%	9%	7%	3%	3%	5%	3%	5%	5%	4%	2%	4%	4%	10%	3%	1261
Medical clinics	49%	8%	23%	22%	20%	14%	9%	8%	18%	9%	19%	18%	14%	3%	8%	3%	23%	7%	790
Managing authority																			
Government	31%	8%	10%	10%	9%	7%	5%	3%	5%	3%	4%	5%	4%	3%	4%	5%	12%	4%	1658
Ngo / fbo	56%	25%	33%	33%	29%	23%	16%	15%	27%	16%	26%	26%	25%	10%	19%	19%	33%	12%	323
Private	54%	13%	28%	28%	25%	19%	15%	11%	22%	12%	24%	23%	21%	4%	13%	6%	30%	11%	946
Urban/rural																			
Urban	60%	20%	36%	34%	31%	24%	20%	17%	30%	19%	32%	30%	29%	4%	18%	9%	37%	15%	873
Rural	35%	9%	13%	12%	11%	8%	5%	3%	7%	3%	6%	7%	6%	4%	6%	6%	14%	4%	2054
Total	**43%**	**12%**	**20%**	**20%**	**18%**	**14%**	**10%**	**8%**	**14%**	**8%**	**15%**	**15%**	**14%**	**4%**	**10%**	**7%**	**22%**	**8%**	**2927**

Annex Table 133: System for maintenance and repair of equipment indicators by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

County	Schedule for inspection, testing and preventive maintenance for any medical equipment	Follows routine preventive maintenance for oxygen equipment	Follows routine preventive maintenance for x-ray machine	Follows routine preventive maintenance for CAT scan	Follows routine preventive maintenance for ultrasound machine	Follows routine preventive maintenance for ventilators	Follows routine preventive maintenance for cold chain equipment	Has a system for routine inspection and maintenance for small medical equipment	Has a contract for maintenance and/or repair for any laboratory machines	Total number of facilities
Baringo	3%	0%	0%	0%	0%	0%	0%	3%	6%	63
Bomet	25%	9%	4%	0%	3%	8%	23%	52%	30%	56
Bungoma	8%	5%	3%	1%	3%	2%	9%	7%	3%	67
Busia	25%	10%	3%	3%	3%	3%	14%	31%	21%	56
Elgeyo-marakwet	5%	10%	1%	0%	0%	1%	20%	9%	2%	53
Embu	6%	4%	4%	2%	4%	2%	11%	19%	21%	63
Garissa	8%	6%	1%	0%	0%	2%	9%	8%	17%	59
Homa bay	29%	10%	4%	0%	2%	2%	31%	40%	37%	74
Isiolo	16%	6%	4%	0%	4%	12%	24%	10%	18%	36
Kajiado	12%	16%	4%	2%	7%	3%	14%	6%	20%	67
Kakamega	14%	8%	4%	0%	5%	3%	9%	17%	16%	73
Kericho	13%	8%	10%	0%	8%	6%	16%	13%	14%	63
Kiambu	17%	13%	5%	2%	11%	7%	25%	19%	39%	86
Kilifi	8%	5%	2%	0%	4%	3%	10%	13%	20%	69
Kirinyaga	12%	3%	4%	0%	4%	2%	7%	7%	23%	63
Kisii	17%	16%	4%	1%	7%	2%	28%	11%	42%	75
Kisumu	36%	15%	7%	4%	7%	4%	29%	28%	28%	73
Kitui	6%	5%	3%	1%	3%	2%	10%	11%	25%	75
Kwale	3%	1%	1%	0%	1%	1%	3%	2%	6%	54
Laikipia	13%	9%	4%	2%	4%	2%	7%	6%	48%	58
Lamu	2%	3%	5%	0%	5%	2%	5%	3%	6%	34
Machakos	15%	11%	5%	2%	6%	3%	16%	21%	43%	71
Makueni	7%	4%	1%	0%	1%	1%	6%	19%	20%	73
Mandera	8%	4%	2%	2%	4%	2%	6%	16%	22%	54
Marsabit	34%	12%	4%	2%	6%	3%	33%	48%	39%	48
Meru	11%	12%	3%	2%	6%	5%	17%	22%	30%	83
Migori	13%	4%	2%	0%	3%	0%	7%	7%	15%	69
Mombasa	48%	22%	8%	5%	9%	9%	40%	34%	42%	70
Murang'a	7%	6%	6%	0%	7%	3%	13%	11%	18%	67
Nairobi	40%	32%	20%	7%	34%	18%	45%	42%	76%	89
Nakuru	19%	14%	5%	0%	7%	4%	18%	18%	43%	87
Nandi	7%	6%	4%	0%	4%	0%	14%	14%	10%	62

County	Schedule for inspection, testing and preventive maintenance for any medical equipment	Follows routine preventive maintenance for oxygen equipment	Follows routine preventive maintenance for x-ray machine	Follows routine preventive maintenance for CAT scan	Follows routine preventive maintenance for ultrasound machine	Follows routine preventive maintenance for ventilators	Follows routine preventive maintenance for cold chain equipment	Has a system for routine inspection and maintenance for small medical equipment	Has a contract for maintenance and/or repair for any laboratory machines	Total number of facilities
Narok	7%	5%	1%	0%	3%	2%	9%	3%	17%	59
Nyamira	28%	6%	3%	1%	2%	3%	29%	36%	18%	61
Nyandarua	23%	11%	2%	1%	2%	4%	23%	43%	17%	57
Nyeri	24%	7%	7%	3%	10%	2%	23%	32%	44%	72
Samburu	12%	5%	1%	0%	3%	3%	13%	14%	25%	41
Siaya	15%	5%	2%	0%	3%	5%	16%	23%	28%	69
Taita taveta	6%	4%	2%	0%	7%	5%	6%	14%	15%	49
Tana river	10%	0%	0%	0%	0%	0%	6%	12%	8%	38
Tharaka-nithi	6%	4%	3%	2%	4%	3%	5%	4%	13%	55
Trans nzoia	13%	5%	6%	0%	7%	1%	14%	8%	26%	58
Turkana	2%	2%	1%	0%	2%	2%	2%	1%	7%	61
Uasin gishu	11%	10%	7%	4%	10%	10%	21%	11%	26%	62
Vihiga	9%	0%	2%	0%	4%	2%	9%	14%	14%	45
Wajir	6%	3%	1%	0%	1%	1%	6%	8%	11%	54
West pokot	3%	2%	0%	0%	2%	4%	4%	7%	3%	56
Facility type										
Secondary & tertiary hospitals	70%	75%	80%	65%	80%	60%	80%	75%	90%	20
Public primary hospitals	37%	32%	26%	2%	26%	18%	40%	34%	48%	307
Private/ngo/fbo primary hospitals	61%	77%	60%	24%	68%	46%	69%	61%	86%	84
Health centres	19%	15%	4%	1%	7%	4%	26%	21%	34%	465
Dispensaries	9%	2%	1%	0%	1%	1%	10%	11%	13%	1261
Medical clinics	17%	8%	3%	1%	6%	3%	15%	22%	34%	790
Managing authority										
Government	10%	4%	2%	0%	2%	2%	11%	11%	13%	1658
Ngo / fbo	26%	16%	10%	2%	15%	8%	29%	26%	44%	323
Private	21%	15%	7%	3%	10%	7%	22%	26%	42%	946
Urban/rural										
Urban	28%	19%	11%	4%	17%	10%	29%	29%	52%	873
Rural	10%	5%	2%	0%	2%	1%	12%	14%	16%	2054
Total	**16%**	**10%**	**5%**	**1%**	**7%**	**4%**	**18%**	**19%**	**29%**	**2927**

Annex Table 134: Systems for ensuring quality of routine data indicators by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

County	Facility has routine and systematic process for checking the quality of data compiled for reports	Facility has data improvement team	Facility has data quality improvement plans	Facility has a written policy/ guidelines for data quality checking	Facility has a full time, dedicated person with responsibility for recording or collating health service data	Total number of facilities
Baringo	25%	8%	13%	3%	11%	63
Bomet	71%	30%	46%	22%	27%	56
Bungoma	62%	30%	29%	22%	26%	67
Busia	83%	46%	49%	14%	35%	56
Elgeyo-marakwet	20%	8%	8%	0%	31%	53
Embu	40%	8%	8%	0%	7%	63
Garissa	30%	18%	15%	7%	6%	59
Homa bay	77%	57%	53%	42%	31%	74
Isiolo	33%	13%	19%	5%	13%	36
Kajiado	33%	16%	18%	8%	14%	67
Kakamega	69%	39%	42%	16%	24%	73
Kericho	39%	8%	15%	12%	21%	63
Kiambu	30%	14%	15%	0%	16%	86
Kilifi	31%	14%	16%	4%	32%	69
Kirinyaga	21%	10%	8%	3%	23%	63
Kisii	66%	26%	40%	5%	41%	75
Kisumu	69%	48%	55%	35%	38%	73
Kitui	21%	6%	6%	9%	14%	75
Kwale	40%	8%	14%	2%	9%	54
Laikipia	43%	11%	4%	9%	19%	58
Lamu	7%	2%	0%	0%	6%	34
Machakos	59%	20%	27%	11%	18%	71
Makueni	26%	8%	13%	2%	18%	73
Mandera	10%	4%	4%	4%	34%	54
Marsabit	52%	24%	34%	24%	14%	48
Meru	44%	14%	18%	8%	15%	83
Migori	45%	33%	35%	13%	39%	69
Mombasa	48%	25%	27%	19%	45%	70
Murang'a	59%	27%	28%	2%	7%	67
Nairobi	68%	42%	47%	9%	85%	89
Nakuru	58%	37%	38%	20%	14%	87
Nandi	16%	4%	3%	3%	27%	62
Narok	52%	11%	9%	4%	10%	59
Nyamira	66%	35%	44%	15%	25%	61

County	Facility has routine and systematic process for checking the quality of data compiled for reports	Facility has data improvement team	Facility has data quality improvement plans	Facility has a written policy/ guidelines for data quality checking	Facility has a full time, dedicated person with responsibility for recording or collating health service data	Total number of facilities
Nyandarua	57%	28%	29%	17%	7%	57
Nyeri	42%	27%	29%	9%	6%	72
Samburu	68%	33%	41%	36%	11%	41
Siaya	77%	58%	50%	24%	57%	69
Taita taveta	63%	17%	27%	2%	13%	49
Tana river	66%	45%	52%	10%	64%	38
Tharaka-nithi	33%	18%	19%	3%	8%	55
Trans nzoia	20%	8%	6%	1%	17%	58
Turkana	17%	8%	4%	3%	6%	61
Uasin gishu	59%	19%	25%	7%	20%	62
Vihiga	64%	31%	34%	2%	22%	45
Wajir	32%	15%	17%	9%	6%	54
West pokot	38%	4%	5%	8%	9%	56
Facility type						
Secondary & tertiary hospitals	70%	45%	55%	25%	100%	20
Public primary hospitals	80%	57%	59%	27%	92%	307
Private/ngo/ fbo primary hospitals	68%	47%	49%	9%	80%	84
Health centres	59%	36%	40%	17%	41%	465
Dispensaries	47%	21%	22%	10%	14%	1261
Medical clinics	35%	14%	18%	7%	20%	790
Managing authority						
Government	52%	25%	27%	12%	21%	1658
Ngo / fbo	55%	36%	35%	16%	35%	323
Private	38%	16%	21%	7%	26%	946
Urban/rural						
Urban	49%	27%	32%	12%	40%	873
Rural	46%	21%	23%	10%	17%	2054
Total	**47%**	**23%**	**26%**	**10%**	**25%**	**2927**

Annex Table 135: Evidence of use of service information and data for planning and management indicators by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

County	Facility has a routine process for performance review based on data on facility services, outcomes, or patient feedback	Evidence for use of HMIS reports (e.g., numbers of patients, numbers by diagnoses)	Evidence for use of special reports such as quality indicators	Evidence for use of mortality data	Evidence for use of morbidity data	Evidence for use of patient surveys such as client satisfaction surveys	Evidence for use of staff surveys such as employee satisfaction surveys	Evidence for use of workload data	Facility has any tables or reports that present immunization data	Facility has any tables or reports that present data other than for immunization	Facility has any graphic/chart presentation of immunization data	Facility has any graphic/chart presentation of data other than for immunization	Facility has HMT minutes	Total number of facilities
Baringo	15%	15%	9%	5%	5%	5%	2%	15%	15%	7%	15%	4%	15%	63
Bomet	43%	32%	27%	17%	18%	16%	12%	34%	38%	34%	34%	27%	20%	56
Bungoma	56%	43%	38%	29%	34%	22%	22%	40%	48%	43%	48%	43%	43%	67
Busia	66%	64%	53%	53%	51%	41%	43%	57%	54%	52%	52%	50%	53%	56
Elgeyo-marakwet	11%	3%	3%	1%	1%	1%	1%	3%	7%	5%	5%	7%	9%	53
Embu	21%	19%	11%	8%	10%	7%	4%	18%	9%	7%	6%	1%	14%	63
Garissa	17%	15%	15%	10%	14%	7%	7%	10%	15%	13%	11%	9%	12%	59
Homa bay	46%	43%	44%	30%	37%	38%	31%	30%	39%	37%	36%	34%	33%	74
Isiolo	34%	26%	18%	19%	16%	10%	10%	22%	21%	24%	29%	26%	21%	36
Kajiado	34%	19%	11%	6%	9%	7%	4%	22%	15%	12%	13%	9%	10%	67
Kakamega	46%	43%	36%	23%	29%	19%	16%	40%	33%	33%	35%	24%	37%	73
Kericho	55%	52%	47%	7%	41%	19%	15%	45%	48%	43%	42%	38%	45%	63
Kiambu	24%	20%	5%	6%	10%	8%	4%	19%	12%	11%	9%	6%	10%	86
Kilifi	20%	17%	17%	11%	13%	10%	7%	13%	13%	11%	11%	8%	13%	69
Kirinyaga	7%	2%	2%	0%	2%	2%	2%	5%	0%	0%	0%	0%	3%	63
Kisii	31%	25%	19%	17%	20%	12%	10%	25%	25%	22%	23%	21%	15%	75
Kisumu	53%	46%	43%	28%	36%	29%	18%	42%	46%	42%	45%	44%	34%	73
Kitui	15%	13%	10%	2%	6%	2%	0%	11%	13%	15%	13%	15%	11%	75
Kwale	37%	33%	31%	19%	21%	12%	7%	31%	31%	29%	31%	27%	30%	54
Laikipia	36%	34%	30%	16%	15%	28%	19%	32%	30%	30%	28%	28%	30%	58
Lamu	31%	31%	19%	7%	16%	0%	3%	20%	25%	17%	22%	17%	13%	34
Machakos	29%	24%	16%	11%	15%	8%	6%	18%	19%	19%	16%	17%	9%	71
Makueni	21%	17%	15%	4%	10%	9%	7%	18%	17%	12%	17%	12%	20%	73
Mandera	5%	4%	3%	3%	3%	2%	2%	3%	3%	2%	2%	4%	1%	54
Marsabit	81%	77%	73%	65%	68%	61%	59%	76%	74%	72%	72%	72%	36%	48
Meru	20%	17%	16%	4%	3%	9%	7%	15%	13%	11%	15%	13%	10%	83
Migori	35%	17%	16%	7%	6%	5%	3%	12%	9%	7%	18%	13%	18%	69
Mombasa	62%	56%	54%	30%	31%	42%	38%	46%	36%	35%	37%	30%	40%	70
Murang'a	26%	23%	23%	5%	5%	14%	14%	24%	21%	21%	21%	21%	15%	67
Nairobi	49%	38%	32%	25%	33%	30%	13%	38%	38%	35%	33%	28%	41%	89
Nakuru	36%	29%	28%	16%	19%	21%	17%	26%	24%	21%	21%	18%	26%	87
Nandi	13%	9%	7%	2%	4%	6%	2%	6%	5%	3%	5%	2%	3%	62
Narok	22%	11%	13%	8%	8%	5%	4%	14%	18%	10%	16%	12%	16%	59
Nyamira	60%	55%	57%	36%	50%	44%	42%	57%	58%	57%	55%	53%	48%	61
Nyandarua	44%	40%	42%	11%	13%	20%	20%	33%	31%	27%	29%	27%	35%	57
Nyeri	51%	49%	29%	4%	10%	10%	5%	46%	22%	23%	17%	10%	26%	72

County	Facility has a routine process for performance review based on data on facility services, outcomes, or patient feedback	Evidence for use of HMIS reports (e.g., numbers of patients, numbers by diagnoses)	Evidence for use of special reports such as quality indicators	Evidence for use of mortality data	Evidence for use of morbidity data	Evidence for use of patient surveys such as client satisfaction surveys	Evidence for use of staff surveys such as employee satisfaction surveys	Evidence for use of workload data	Facility has any tables or reports that present immunization data	Facility has any tables or reports that present data other than for immunization	Facility has any graphic/chart presentation of immunization data	Facility has any graphic/chart presentation of data other than for immunization	Facility has HMT minutes	Total number of facilities
Samburu	75%	60%	55%	35%	62%	40%	34%	70%	62%	55%	60%	62%	50%	41
Siaya	46%	41%	34%	26%	39%	24%	16%	41%	38%	36%	34%	32%	35%	69
Taita taveta	37%	21%	15%	8%	17%	17%	15%	19%	17%	19%	21%	24%	26%	49
Tana river	22%	14%	14%	5%	5%	5%	5%	11%	11%	11%	11%	11%	11%	38
Tharaka-nithi	16%	11%	9%	5%	11%	4%	4%	9%	12%	12%	12%	12%	14%	55
Trans nzoia	6%	4%	4%	2%	4%	5%	1%	4%	4%	3%	2%	1%	4%	58
Turkana	26%	26%	19%	14%	17%	1%	1%	23%	19%	17%	17%	17%	23%	61
Uasin gishu	28%	18%	18%	4%	11%	4%	4%	13%	18%	14%	16%	13%	13%	62
Vihiga	23%	18%	9%	7%	14%	0%	0%	14%	20%	14%	20%	14%	16%	45
Wajir	25%	21%	17%	14%	14%	7%	6%	16%	16%	11%	18%	15%	16%	54
West pokot	28%	26%	23%	6%	6%	10%	13%	26%	22%	21%	16%	16%	17%	56
Facility type														
Secondary & tertiary hospitals	75%	65%	70%	70%	65%	60%	45%	75%	70%	60%	60%	55%	75%	20
Public primary hospitals	55%	52%	49%	47%	47%	32%	25%	48%	49%	46%	48%	45%	52%	307
Private/ngo/fbo primary hospitals	56%	51%	45%	47%	43%	43%	31%	44%	41%	41%	40%	34%	48%	84
Health centres	38%	32%	28%	21%	25%	19%	14%	31%	30%	28%	29%	27%	28%	465
Dispensaries	33%	28%	24%	11%	17%	13%	10%	26%	27%	24%	27%	22%	24%	1261
Medical clinics	27%	22%	16%	7%	10%	12%	9%	19%	12%	11%	10%	8%	12%	790
Managing authority														
Government	36%	31%	27%	15%	21%	14%	11%	29%	31%	27%	30%	26%	28%	1658
Ngo / fbo	35%	31%	29%	18%	23%	23%	17%	29%	27%	25%	27%	23%	24%	323
Private	30%	23%	17%	10%	13%	14%	10%	20%	15%	14%	12%	11%	14%	946
Urban/rural														
Urban	36%	29%	25%	16%	20%	20%	14%	26%	22%	21%	20%	17%	24%	873
Rural	32%	28%	23%	12%	17%	13%	10%	25%	25%	22%	24%	20%	22%	2054
Total	**34%**	**28%**	**24%**	**14%**	**18%**	**15%**	**11%**	**26%**	**24%**	**22%**	**22%**	**19%**	**22%**	**2927**

County	Facility has a system for identifying and monitoring adverse events, such as patient falls or infections	Health care associated infections (nosocomial infections) reportable adverse events	Facility routinely carries out formal case reviews for patients who have not died, where individual patient management is reviewed for quality and potential for improved case management	Facility conducts death reviews for some proportion of deaths	Facility routinely reviews deaths of pediatric patients who are below 5 years of age	Total number of facilities
Laikipia	16%	0%	34%	9%	100%	8
Lamu	67%	0%	67%	100%	33%	3
Machakos	60%	7%	100%	53%	38%	7
Makueni	63%	38%	75%	75%	50%	8
Mandera	50%	20%	40%	75%	40%	8
Marsabit	0%	0%	29%	14%	100%	5
Meru	55%	33%	66%	69%	100%	15
Migori	20%	0%	29%	87%	100%	15
Mombasa	51%	31%	100%	64%	92%	10
Murang'a	50%	39%	50%	63%	89%	8
Nairobi	83%	61%	65%	100%	71%	17
Nakuru	10%	0%	77%	93%	100%	12
Nandi	56%	22%	50%	33%	33%	8
Narok	60%	20%	90%	60%	100%	6
Nyamira	100%	25%	63%	50%	100%	8
Nyandarua	75%	25%	100%	100%	75%	3
Nyeri	83%	0%	83%	92%	82%	6
Samburu	100%	100%	100%	100%	100%	3
Siaya	82%	20%	69%	71%	80%	13
Taita taveta	100%	43%	86%	67%	100%	6
Tana river	67%	0%	100%	100%	33%	3
Tharaka-nithi	90%	70%	40%	90%	89%	6
Trans nzoia	86%	57%	57%	57%	100%	7
Turkana	80%	0%	80%	80%	100%	4
Uasin gishu	31%	6%	63%	44%	100%	7
Vihiga	67%	67%	17%	33%	100%	4
Wajir	43%	14%	43%	71%	75%	7
West pokot	25%	25%	25%	75%	33%	4
Facility type						
Secondary & tertiary hospitals	75%	55%	85%	100%	95%	20

County	Facility has a system for identifying and monitoring adverse events, such as patient falls or infections	Health care associated infections (nosocomial infections) reportable adverse events	Facility routinely carries out formal case reviews for patients who have not died, where individual patient management is reviewed for quality and potential for improved case management	Facility conducts death reviews for some proportion of deaths	Facility routinely reviews deaths of pediatric patients who are below 5 years of age	Total number of facilities
Public primary hospitals	50%	16%	62%	71%	77%	288
Private/ngo/fbo primary hospitals	66%	32%	69%	73%	85%	84
Managing authority						
Government	51%	17%	63%	73%	78%	304
Ngo / fbo	77%	34%	75%	86%	87%	30
Private	60%	32%	67%	66%	84%	58
Urban/rural						
Urban	64%	30%	72%	81%	83%	186
Rural	53%	21%	59%	63%	81%	206
Total	**59%**	**26%**	**66%**	**73%**	**82%**	**392**

Annex Table 137: Monitoring of case fatality rate indicators among hospitals with inpatient services by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

County	Monitors case fatality rates for any specific diagnoses	Monitors case fatality rates for lower respiratory tract infections	Monitors case fatality rates for malaria	Monitors case fatality rates for TB	Monitors case fatality rates for cancer	Monitors case fatality rates for HIV infected patients	Total number of facilities
Baringo	0%	0%	0%	0%	0%	0%	4
Bomet	0%	0%	0%	0%	0%	0%	4
Bungoma	21%	14%	21%	21%	0%	14%	12
Busia	57%	50%	57%	57%	0%	32%	9
Elgeyo-marakwet	17%	17%	17%	17%	17%	17%	6
Embu	20%	0%	0%	0%	0%	0%	5
Garissa	0%	0%	0%	0%	0%	0%	8
Homa bay	61%	32%	55%	55%	0%	55%	14
Isiolo	100%	67%	67%	67%	0%	100%	3
Kajiado	8%	0%	0%	0%	0%	0%	6
Kakamega	33%	25%	33%	25%	8%	33%	12
Kericho	51%	51%	51%	31%	0%	31%	10
Kiambu	70%	62%	62%	8%	0%	62%	14
Kilifi	25%	8%	17%	17%	0%	8%	7
Kirinyaga	0%	0%	0%	0%	0%	0%	5
Kisii	9%	9%	9%	9%	0%	0%	24
Kisumu	27%	21%	21%	18%	6%	18%	20
Kitui	11%	11%	11%	11%	0%	11%	13
Kwale	0%	0%	0%	0%	0%	0%	5
Laikipia	18%	0%	0%	9%	0%	18%	8
Lamu	0%	0%	0%	0%	0%	0%	3
Machakos	47%	47%	47%	13%	7%	47%	7
Makueni	13%	13%	13%	13%	13%	13%	8
Mandera	20%	20%	20%	20%	0%	10%	8
Marsabit	0%	0%	0%	0%	0%	0%	5
Meru	26%	18%	14%	18%	14%	14%	15
Migori	9%	4%	4%	0%	4%	4%	15
Mombasa	31%	27%	24%	7%	4%	24%	10
Murang'a	0%	0%	0%	0%	0%	0%	8
Nairobi	42%	23%	22%	5%	4%	22%	17
Nakuru	7%	7%	7%	7%	3%	7%	12
Nandi	11%	0%	11%	11%	0%	11%	8
Narok	30%	20%	20%	20%	10%	30%	6
Nyamira	25%	25%	25%	13%	13%	25%	8
Nyandarua	75%	75%	75%	75%	50%	75%	3
Nyeri	8%	8%	8%	8%	8%	8%	6

County	Monitors case fatality rates for any specific diagnoses	Monitors case fatality rates for lower respiratory tract infections	Monitors case fatality rates for malaria	Monitors case fatality rates for TB	Monitors case fatality rates for cancer	Monitors case fatality rates for HIV infected patients	Total number of facilities
Samburu	33%	33%	33%	33%	33%	33%	3
Siaya	39%	26%	33%	26%	33%	26%	13
Taita taveta	14%	14%	14%	14%	14%	14%	6
Tana river	67%	33%	33%	33%	0%	33%	3
Tharaka-nithi	20%	20%	20%	20%	0%	20%	6
Trans nzoia	57%	43%	57%	43%	14%	43%	7
Turkana	60%	60%	60%	60%	0%	60%	4
Uasin gishu	6%	0%	6%	0%	0%	0%	7
Vihiga	0%	0%	0%	0%	0%	0%	4
Wajir	14%	14%	14%	14%	14%	0%	7
West pokot	50%	25%	0%	25%	0%	0%	4
Facility type							
Secondary & tertiary hospitals	70%	50%	45%	45%	35%	40%	20
Public primary hospitals	26%	17%	19%	20%	4%	18%	288
Private/ngo/fbo primary hospitals	28%	22%	24%	8%	3%	21%	84
Managing authority							
Government	28%	18%	20%	21%	6%	19%	304
Ngo / fbo	30%	27%	30%	15%	8%	30%	30
Private	27%	21%	21%	5%	1%	16%	58
Urban/rural							
Urban	32%	25%	25%	11%	5%	22%	186
Rural	23%	16%	19%	17%	5%	18%	206
Total	**28%**	**21%**	**22%**	**14%**	**5%**	**20%**	**392**

Annex Table 138: Facility monitoring of inpatient cases indicators among hospitals with inpatient services by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

County	Monitors deaths within 30 days of admission for any identified diagnoses	Monitors unplanned and unexpected hospital readmissions for any conditions	Monitors admissions for conditions where quality outpatient follow-up can reduce the need for hospitalization	Total number of facilities
Baringo	0%	0%	0%	4
Bomet	100%	17%	17%	4
Bungoma	43%	14%	7%	12
Busia	64%	32%	64%	9
Elgeyo-marakwet	33%	0%	0%	6
Embu	0%	20%	0%	5
Garissa	19%	10%	19%	8
Homa bay	29%	24%	53%	14
Isiolo	67%	67%	67%	3
Kajiado	0%	0%	0%	6
Kakamega	58%	17%	17%	12
Kericho	31%	82%	26%	10
Kiambu	48%	64%	62%	14
Kilifi	25%	0%	17%	7
Kirinyaga	10%	0%	0%	5
Kisii	62%	27%	24%	24
Kisumu	35%	37%	29%	20
Kitui	11%	0%	11%	13
Kwale	17%	0%	0%	5
Laikipia	0%	0%	0%	8
Lamu	33%	0%	33%	3
Machakos	13%	40%	87%	7
Makueni	50%	13%	13%	8
Mandera	40%	40%	40%	8
Marsabit	57%	57%	0%	5
Meru	33%	33%	37%	15
Migori	24%	24%	0%	15
Mombasa	20%	40%	20%	10
Murang'a	50%	72%	78%	8
Nairobi	25%	9%	43%	17
Nakuru	3%	40%	40%	12
Nandi	0%	11%	11%	8
Narok	60%	50%	60%	6
Nyamira	13%	63%	88%	8
Nyandarua	75%	50%	75%	3
Nyeri	42%	0%	0%	6
Samburu	100%	33%	67%	3
Siaya	57%	63%	75%	13

County	Monitors deaths within 30 days of admission for any identified diagnoses	Monitors unplanned and unexpected hospital readmissions for any conditions	Monitors admissions for conditions where quality outpatient follow-up can reduce the need for hospitalization	Total number of facilities
Taita taveta	14%	14%	14%	6
Tana river	33%	67%	100%	3
Tharaka-nithi	80%	20%	30%	6
Trans nzoia	57%	57%	71%	7
Turkana	20%	20%	20%	4
Uasin gishu	13%	6%	0%	7
Vihiga	50%	50%	100%	4
Wajir	29%	29%	43%	7
West pokot	0%	25%	25%	4
Facility type				
Secondary & tertiary hospitals	50%	40%	30%	20
Public primary hospitals	35%	23%	29%	288
Private/ngo/fbo primary hospitals	30%	34%	39%	84
Managing authority				
Government	36%	23%	29%	304
Ngo / fbo	53%	49%	47%	30
Private	19%	27%	35%	58
Urban/rural				
Urban	31%	26%	32%	186
Rural	35%	34%	38%	206
Total	**33%**	**30%**	**35%**	**392**

Annex Table 139: Guidelines for adverse event reporting indicators amongst hospitals with inpatient services by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

County	Guidelines for when and how to submit reports of adverse event	Documentation on the review process for compiled reports on adverse events	Notes or reports that show evidence of review and plan of action for the reports about adverse events	Total number of facilities
Baringo	0%	0%	0%	4
Bomet	17%	17%	0%	4
Bungoma	57%	50%	57%	12
Busia	79%	79%	54%	9
Elgeyo-marakwet	33%	33%	0%	6
Embu	0%	0%	0%	5
Garissa	19%	10%	10%	8
Homa bay	40%	34%	29%	14
Isiolo	33%	0%	0%	3
Kajiado	43%	43%	35%	6
Kakamega	17%	25%	33%	12
Kericho	57%	31%	31%	10
Kiambu	42%	22%	42%	14
Kilifi	0%	0%	0%	7
Kirinyaga	0%	0%	0%	5
Kisii	0%	0%	0%	24
Kisumu	65%	59%	40%	20
Kitui	0%	0%	0%	13
Kwale	17%	17%	17%	5
Laikipia	0%	0%	0%	8
Lamu	0%	0%	0%	3
Machakos	20%	20%	7%	7
Makueni	63%	63%	63%	8
Mandera	0%	0%	0%	8
Marsabit	0%	0%	0%	5
Meru	22%	37%	18%	15
Migori	4%	4%	0%	15
Mombasa	35%	31%	31%	10
Murang'a	11%	11%	11%	8
Nairobi	64%	45%	45%	17
Nakuru	7%	7%	7%	12
Nandi	33%	33%	44%	8
Narok	20%	20%	10%	6
Nyamira	63%	50%	25%	8
Nyandarua	75%	75%	75%	3
Nyeri	8%	0%	0%	6

County	Guidelines for when and how to submit reports of adverse event	Documentation on the review process for compiled reports on adverse events	Notes or reports that show evidence of review and plan of action for the reports about adverse events	Total number of facilities
Samburu	100%	100%	100%	3
Siaya	45%	26%	20%	13
Taita taveta	43%	29%	14%	6
Tana river	33%	33%	0%	3
Tharaka-nithi	50%	20%	40%	6
Trans nzoia	14%	14%	29%	7
Turkana	0%	20%	20%	4
Uasin gishu	6%	0%	0%	7
Vihiga	17%	17%	17%	4
Wajir	14%	14%	14%	7
West pokot	25%	25%	25%	4
Facility type				
Secondary & tertiary hospitals	50%	30%	30%	20
Public primary hospitals	28%	25%	22%	288
Private/ngo/ fbo primary hospitals	33%	25%	25%	84
Managing authority				
Government	28%	25%	21%	304
Ngo / fbo	39%	29%	34%	30
Private	31%	25%	21%	58
Urban/rural				
Urban	39%	30%	26%	186
Rural	22%	19%	20%	206
Total	**31%**	**25%**	**23%**	**392**

Annex Table 140: Use of unique patient identifiers indicators by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

County	Facility uses unique patient ID numbers for any patients	Facility utilizes a standardized set of forms or electronic data entry screens to comprise a complete medical record for each patient	Stockout of the official patient medical record in the past 6 months	Total number of facilities	Same unique patient ID used for the same patient over multiple years	Total number of facilities
Baringo	80%	26%	0%	63	20%	51
Bomet	95%	54%	18%	56	46%	54
Bungoma	97%	53%	17%	67	29%	65
Busia	93%	57%	17%	56	7%	52
Elgeyo-marakwet	100%	58%	10%	53	9%	53
Embu	90%	29%	6%	63	7%	57
Garissa	60%	24%	9%	59	27%	37
Homa bay	95%	55%	10%	74	8%	71
Isiolo	91%	21%	2%	36	9%	33
Kajiado	93%	57%	5%	67	45%	62
Kakamega	98%	46%	6%	73	16%	72
Kericho	85%	63%	23%	63	29%	54
Kiambu	82%	78%	7%	86	68%	71
Kilifi	91%	55%	8%	69	53%	63
Kirinyaga	79%	35%	7%	63	29%	50
Kisii	97%	44%	3%	75	18%	73
Kisumu	88%	59%	12%	73	48%	65
Kitui	92%	42%	2%	75	17%	68
Kwale	94%	22%	4%	54	20%	51
Laikipia	98%	76%	13%	58	51%	57
Lamu	97%	45%	13%	34	24%	33
Machakos	88%	44%	0%	71	34%	63
Makueni	98%	60%	13%	73	13%	72
Mandera	48%	21%	5%	54	14%	28
Marsabit	63%	31%	14%	48	19%	31
Meru	80%	39%	0%	83	39%	69
Migori	92%	35%	9%	69	16%	64
Mombasa	91%	86%	3%	70	70%	64
Murang'a	82%	35%	8%	67	35%	56
Nairobi	97%	71%	3%	89	54%	86
Nakuru	98%	60%	3%	87	53%	85
Nandi	98%	23%	1%	62	17%	61
Narok	95%	44%	4%	59	28%	56
Nyamira	98%	55%	3%	61	2%	60

County	Facility uses unique patient ID numbers for any patients	Facility utilizes a standardized set of forms or electronic data entry screens to comprise a complete medical record for each patient	Stockout of the official patient medical record in the past 6 months	Total number of facilities	Same unique patient ID used for the same patient over multiple years	Total number of facilities
Nyandarua	98%	61%	13%	57	77%	56
Nyeri	96%	41%	5%	72	41%	69
Samburu	100%	82%	37%	41	57%	41
Siaya	91%	71%	20%	69	11%	63
Taita taveta	99%	47%	1%	49	27%	48
Tana river	89%	24%	4%	38	3%	34
Tharaka-nithi	87%	20%	5%	55	23%	48
Trans nzoia	96%	26%	0%	58	14%	56
Turkana	95%	42%	11%	61	14%	58
Uasin gishu	100%	64%	9%	62	25%	62
Vihiga	98%	66%	6%	45	17%	44
Wajir	74%	11%	7%	54	22%	41
West pokot	86%	28%	7%	56	15%	48
Facility type						
Secondary & tertiary hospitals	95%	100%	35%	20	79%	19
Public primary hospitals	97%	78%	25%	307	31%	299
Private/ngo/fbo primary hospitals	98%	91%	3%	84	67%	81
Health centres	92%	59%	8%	465	35%	423
Dispensaries	93%	40%	7%	1261	17%	1173
Medical clinics	85%	53%	5%	790	52%	660
Managing authority						
Government	92%	42%	10%	1658	17%	1545
Ngo / fbo	94%	57%	5%	323	40%	301
Private	87%	58%	4%	946	53%	809
Urban/rural						
Urban	90%	65%	5%	873	53%	777
Rural	91%	43%	8%	2054	23%	1878
Total	**90%**	**50%**	**7%**	**2927**	**33%**	**2655**

Annex Table 141: Accountability for user fees indicators by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

County	Facility charges user fees for any outpatient services	Facility charges user fees for any inpatient services	Total number of facilities	User fees for outpatient services posted anywhere so that patients can see them	Total number of facilities	User fees for inpatient services posted anywhere so that patients can see them	Total number of facilities
Baringo	17%	8%	63	70%	12	35%	8
Bomet	20%	10%	56	55%	9	51%	7
Bungoma	39%	19%	67	31%	30	41%	18
Busia	38%	18%	56	40%	25	54%	13
Elgeyo-marakwet	15%	12%	53	73%	10	79%	9
Embu	37%	7%	63	30%	27	52%	8
Garissa	32%	17%	59	10%	22	4%	14
Homa bay	47%	22%	74	73%	37	44%	23
Isiolo	29%	15%	36	74%	11	76%	6
Kajiado	44%	22%	67	22%	29	7%	17
Kakamega	51%	25%	73	42%	40	30%	25
Kericho	30%	14%	63	24%	21	26%	12
Kiambu	45%	17%	86	35%	41	22%	18
Kilifi	47%	19%	69	29%	35	13%	16
Kirinyaga	37%	16%	63	38%	25	0%	12
Kisii	46%	33%	75	63%	40	60%	31
Kisumu	45%	29%	73	51%	36	62%	29
Kitui	21%	18%	75	49%	24	32%	22
Kwale	18%	6%	54	22%	12	34%	5
Laikipia	12%	3%	58	32%	8	22%	3
Lamu	14%	8%	34	12%	6	0%	4
Machakos	27%	9%	71	48%	23	26%	10
Makueni	31%	6%	73	25%	25	35%	8
Mandera	43%	28%	54	19%	25	25%	18
Marsabit	30%	12%	48	50%	16	33%	7
Meru	49%	11%	83	29%	47	17%	15
Migori	31%	21%	69	47%	27	31%	22
Mombasa	71%	24%	70	51%	50	69%	20
Murang'a	46%	9%	67	10%	33	11%	9
Nairobi	81%	28%	89	28%	71	41%	29
Nakuru	52%	16%	87	35%	50	20%	21
Nandi	29%	7%	62	16%	20	52%	9
Narok	10%	2%	59	47%	7	100%	3
Nyamira	35%	18%	61	59%	23	57%	15
Nyandarua	36%	2%	57	43%	21	100%	2
Nyeri	58%	9%	72	7%	43	12%	10

County	Facility charges user fees for any outpatient services	Facility charges user fees for any inpatient services	Total number of facilities	User fees for outpatient services posted anywhere so that patients can see them	Total number of facilities	User fees for inpatient services posted anywhere so that patients can see them	Total number of facilities
Samburu	19%	12%	41	41%	9	66%	6
Siaya	46%	30%	69	39%	37	22%	27
Taita taveta	31%	11%	49	66%	16	55%	7
Tana river	30%	7%	38	45%	12	21%	4
Tharaka-nithi	23%	6%	55	14%	14	12%	5
Trans nzoia	50%	13%	58	30%	31	41%	12
Turkana	15%	7%	61	42%	11	67%	6
Uasin gishu	25%	12%	62	23%	17	8%	9
Vihiga	26%	19%	45	39%	12	30%	9
Wajir	16%	12%	54	61%	11	37%	9
West pokot	21%	3%	56	72%	14	75%	4
Facility type							
Secondary & tertiary hospitals	95%	95%	20	68%	19	63%	12
Public primary hospitals	80%	83%	307	69%	247	61%	157
Private/ngo/fbo primary hospitals	87%	91%	84	52%	69	26%	22
Health centres	42%	34%	465	44%	177	33%	47
Dispensaries	15%	2%	1261	42%	155	30%	8
Medical clinics	65%	10%	790	23%	498	25%	20
Managing authority							
Government	10%	7%	1658	65%	316	62%	291
Ngo / fbo	68%	25%	323	43%	211	30%	80
Private	69%	23%	946	27%	638	26%	225
Urban/rural							
Urban	68%	26%	873	33%	589	32%	291
Rural	26%	10%	2054	38%	576	37%	305
Total	**40%**	**16%**	**2927**	**35%**	**1165**	**34%**	**596**

Annex Table 142: Financial accountability indicators by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

County	Facility receives an annual external audit of facility accounts	Total number of facilities	Facility has a budgeted annual work plan (2018/19)	Total number of facilities
Baringo	54%	63	33%	26
Bomet	62%	56	59%	33
Bungoma	59%	67	55%	39
Busia	73%	56	50%	35
Elgeyo-marakwet	80%	53	7%	22
Embu	47%	63	64%	34
Garissa	16%	59	32%	20
Homa bay	62%	74	70%	31
Isiolo	46%	36	30%	17
Kajiado	45%	67	43%	16
Kakamega	47%	73	59%	42
Kericho	47%	63	70%	39
Kiambu	35%	86	38%	26
Kilifi	40%	69	53%	30
Kirinyaga	31%	63	38%	19
Kisii	63%	75	57%	36
Kisumu	59%	73	62%	42
Kitui	60%	75	49%	46
Kwale	51%	54	54%	40
Laikipia	64%	58	65%	37
Lamu	58%	34	55%	27
Machakos	30%	71	64%	38
Makueni	23%	73	29%	13
Mandera	41%	54	0%	25
Marsabit	75%	48	62%	39
Meru	30%	83	27%	46
Migori	35%	69	54%	42
Mombasa	43%	70	52%	8
Murang'a	50%	67	30%	42
Nairobi	51%	89	80%	27
Nakuru	48%	87	52%	42
Nandi	71%	62	38%	27
Narok	64%	59	25%	37
Nyamira	68%	61	69%	51
Nyandarua	48%	57	65%	40
Nyeri	45%	72	71%	28
Samburu	67%	41	100%	29
Siaya	63%	69	59%	46

County	Facility receives an annual external audit of facility accounts	Total number of facilities	Facility has a budgeted annual work plan (2018/19)	Total number of facilities
Taita taveta	58%	49	27%	24
Tana river	43%	38	43%	12
Tharaka-nithi	60%	55	68%	37
Trans nzoia	28%	58	22%	27
Turkana	12%	61	9%	12
Uasin gishu	58%	62	77%	31
Vihiga	52%	45	44%	28
Wajir	42%	54	37%	17
West pokot	54%	56	57%	31
Facility type				
Secondary & tertiary hospitals	100%	20	76%	17
Public primary hospitals	84%	307	65%	230
Private/ngo/ fbo primary hospitals	64%	84	47%	42
Health centres	61%	465	56%	248
Dispensaries	59%	1261	56%	751
Medical clinics	20%	790	22%	169
Managing authority				
Government	68%	1658	58%	1137
Ngo / fbo	42%	323	48%	109
Private	24%	946	25%	210
Urban/rural				
Urban	40%	873	43%	318
Rural	51%	2054	54%	1138
Total	**47%**	**2927**	**52%**	**1456**

Annex Table 143: Health insurance coverage for inpatients amongst facilities with inpatient services who agreed to provide financial information by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

County	1-25% of patients who receive inpatient services in the facility have any type of health insurance	26-50% of patients who receive inpatient services in the facility have any type of health insurance	51-75% of patients who receive inpatient services in the facility have any type of health insurance	76-99% of patients who receive inpatient services in the facility have any type of health insurance	100% of patients who receive inpatient services in the facility have any type of health insurance	1-100% of patients who receive inpatient services in the facility have any type of health insurance	Total number of facilities
Baringo	39%	15%	0%	0%	0%	54%	8
Bomet	42%	0%	19%	0%	0%	61%	11
Bungoma	14%	6%	0%	3%	0%	24%	22
Busia	3%	10%	0%	9%	0%	23%	13
Elgeyo-marakwet	11%	11%	16%	32%	0%	70%	9
Embu	24%	7%	7%	0%	24%	61%	7
Garissa	38%	13%	38%	0%	0%	88%	6
Homa bay	23%	20%	12%	21%	0%	75%	11
Isiolo	21%	0%	9%	9%	0%	38%	10
Kajiado	64%	0%	8%	0%	0%	72%	5
Kakamega	30%	11%	4%	16%	0%	61%	22
Kericho	2%	17%	4%	24%	7%	56%	17
Kiambu	5%	3%	17%	56%	0%	81%	12
Kilifi	33%	3%	21%	0%	0%	57%	10
Kirinyaga	0%	0%	12%	9%	30%	51%	11
Kisii	14%	17%	12%	32%	0%	75%	21
Kisumu	23%	8%	6%	18%	13%	67%	35
Kitui	37%	0%	27%	36%	0%	100%	10
Kwale	5%	7%	0%	5%	0%	18%	22
Laikipia	12%	6%	16%	40%	13%	87%	10
Lamu	13%	0%	0%	0%	0%	13%	17
Machakos	13%	8%	1%	0%	9%	32%	18
Makueni	0%	6%	27%	12%	0%	45%	6
Mandera	27%	0%	0%	9%	0%	36%	15
Marsabit	8%	14%	9%	21%	0%	52%	12
Meru	8%	18%	0%	22%	0%	48%	16
Migori	36%	31%	9%	12%	0%	89%	15
Mombasa	0%	85%	15%	0%	0%	100%	4
Murang'a	10%	14%	0%	0%	2%	26%	15
Nairobi	29%	22%	2%	47%	0%	100%	10
Nakuru	8%	6%	13%	21%	25%	73%	22
Nandi	14%	9%	4%	0%	0%	28%	17
Narok	38%	12%	0%	0%	38%	88%	10

County	1-25% of patients who receive inpatient services in the facility have any type of health insurance	26-50% of patients who receive inpatient services in the facility have any type of health insurance	51-75% of patients who receive inpatient services in the facility have any type of health insurance	76-99% of patients who receive inpatient services in the facility have any type of health insurance	100% of patients who receive inpatient services in the facility have any type of health insurance	1-100% of patients who receive inpatient services in the facility have any type of health insurance	Total number of facilities
Nyamira	11%	9%	42%	11%	0%	73%	17
Nyandarua	0%	0%	24%	26%	0%	50%	9
Nyeri	0%	11%	0%	17%	29%	57%	11
Samburu	70%	12%	0%	6%	0%	89%	10
Siaya	20%	15%	4%	0%	5%	44%	24
Taita taveta	30%	7%	7%	16%	23%	84%	9
Tana river	0%	0%	0%	0%	0%	0%	1
Tharaka-nithi	16%	9%	0%	21%	7%	54%	16
Trans nzoia	0%	0%	13%	29%	0%	42%	9
Turkana	34%	0%	0%	0%	0%	34%	3
Uasin gishu	12%	7%	28%	15%	25%	87%	9
Vihiga	50%	0%	4%	12%	0%	66%	13
Wajir	0%	0%	0%	100%	0%	100%	1
West pokot	0%	0%	10%	0%	0%	10%	13
Facility type							
Secondary & tertiary hospitals	27%	40%	13%	20%	0%	100%	15
Public primary hospitals	40%	29%	11%	10%	1%	90%	196
Private/ngo/fbo primary hospitals	15%	12%	14%	57%	0%	97%	31
Health centres	19%	8%	11%	15%	11%	64%	122
Dispensaries	13%	3%	2%	5%	7%	29%	184
Medical clinics	4%	9%	14%	18%	4%	49%	46
Managing authority							
Government	21%	9%	5%	5%	8%	48%	467
Ngo / fbo	14%	14%	10%	36%	0%	74%	52
Private	9%	7%	17%	31%	5%	69%	75
Urban/rural							
Urban	18%	13%	18%	27%	4%	78%	162
Rural	17%	8%	5%	10%	7%	47%	432
Total	**17%**	**10%**	**8%**	**14%**	**6%**	**55%**	**594**

Annex Table 144: Health insurance coverage for outpatients amongst facilities with outpatient services who agreed to provide financial information by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

County	1-25% of patients who receive outpatient services in the facility have any type of health insurance	26-50% of patients who receive outpatient services in the facility have any type of health insurance	51-75% of patients who receive outpatient services in the facility have any type of health insurance	76-99% of patients who receive outpatient services in the facility have any type of health insurance	100% of patients who receive outpatient services in the facility have any type of health insurance	1-100% of patients who receive outpatient services in the facility have any type of health insurance	Total number of facilities
Baringo	13%	0%	0%	0%	0%	13%	21
Bomet	31%	0%	14%	0%	0%	45%	22
Bungoma	19%	4%	0%	9%	0%	32%	27
Busia	8%	5%	0%	6%	0%	20%	18
Elgeyo-marakwet	29%	4%	3%	0%	0%	36%	38
Embu	10%	11%	0%	6%	6%	32%	20
Garissa	7%	7%	10%	0%	0%	24%	13
Homa bay	23%	20%	0%	16%	0%	59%	15
Isiolo	15%	6%	0%	6%	0%	27%	14
Kajiado	30%	2%	0%	0%	10%	42%	12
Kakamega	22%	2%	3%	8%	0%	34%	34
Kericho	1%	10%	45%	14%	4%	75%	27
Kiambu	3%	28%	2%	18%	0%	51%	19
Kilifi	39%	9%	7%	0%	0%	56%	25
Kirinyaga	2%	0%	7%	14%	24%	47%	14
Kisii	17%	22%	5%	14%	0%	57%	31
Kisumu	24%	4%	3%	14%	0%	44%	42
Kitui	35%	25%	8%	19%	0%	87%	15
Kwale	8%	5%	0%	4%	0%	17%	28
Laikipia	11%	10%	7%	18%	0%	46%	18
Lamu	27%	0%	0%	0%	0%	27%	20
Machakos	21%	6%	1%	0%	7%	36%	22
Makueni	9%	2%	0%	13%	28%	53%	14
Mandera	42%	0%	0%	7%	0%	49%	18
Marsabit	8%	14%	4%	18%	0%	44%	25
Meru	16%	3%	8%	8%	0%	35%	29
Migori	36%	20%	4%	10%	0%	70%	26
Mombasa	10%	18%	27%	0%	0%	55%	7
Murang'a	27%	15%	0%	3%	0%	45%	42
Nairobi	1%	31%	15%	21%	0%	68%	15
Nakuru	11%	13%	6%	7%	0%	38%	36
Nandi	11%	9%	0%	0%	8%	27%	18
Narok	37%	4%	0%	0%	0%	41%	19

County	1-25% of patients who receive outpatient services in the facility have any type of health insurance	26-50% of patients who receive outpatient services in the facility have any type of health insurance	51-75% of patients who receive outpatient services in the facility have any type of health insurance	76-99% of patients who receive outpatient services in the facility have any type of health insurance	100% of patients who receive outpatient services in the facility have any type of health insurance	1-100% of patients who receive outpatient services in the facility have any type of health insurance	Total number of facilities
Nyamira	24%	10%	8%	4%	2%	48%	44
Nyandarua	3%	6%	30%	13%	0%	53%	32
Nyeri	11%	2%	1%	1%	10%	24%	25
Samburu	34%	5%	3%	0%	0%	42%	22
Siaya	22%	6%	4%	3%	0%	35%	31
Taita taveta	49%	12%	3%	12%	0%	75%	19
Tana river	0%	0%	0%	0%	0%	0%	2
Tharaka-nithi	25%	9%	6%	7%	0%	47%	35
Trans nzoia	3%	7%	15%	0%	0%	24%	17
Turkana	13%	0%	0%	12%	0%	25%	8
Uasin gishu	35%	6%	13%	7%	0%	62%	18
Vihiga	34%	0%	0%	8%	0%	42%	20
Wajir	0%	0%	0%	25%	27%	51%	4
West pokot	6%	0%	7%	0%	0%	13%	17
Facility type							
Secondary & tertiary hospitals	27%	33%	27%	13%	0%	100%	15
Public primary hospitals	46%	29%	10%	6%	0%	91%	203
Private/ngo/fbo primary hospitals	0%	27%	21%	46%	0%	94%	31
Health centres	24%	9%	6%	7%	2%	48%	184
Dispensaries	17%	4%	4%	3%	2%	30%	508
Medical clinics	13%	14%	7%	13%	3%	50%	97
Managing authority							
Government	21%	7%	4%	3%	2%	38%	834
Ngo / fbo	14%	12%	12%	21%	0%	59%	80
Private	9%	16%	11%	20%	4%	60%	124
Urban/rural							
Urban	17%	18%	13%	18%	1%	66%	227
Rural	19%	7%	4%	4%	2%	37%	811
Total	**19%**	**9%**	**6%**	**7%**	**2%**	**43%**	**1038**

Annex Table 145: Inequality coefficients for the KHFA indices, Kenya 2018

Domains	Concentration Coef.	Gini Coef.
Diagnostics mean score	0.02198	0.10294
Essential medicines mean score	0.02198	0.10253
Basic amenities mean score	0.02194	0.09862
Standard precautions mean score	0.02156	0.06513
Basic equipment mean score	0.02145	0.05087
General service readiness index	0.02147	0.05327
Health Workforce Index	0.02624	0.26977
Health Services Infrastructure Index	0.02440	0.21592
Service Utilization Index	0.02403	0.20386
General Service Availability Index	0.02448	0.21806
Non-communicable diseases Availability Index	0.02337	0.17812
Communicable diseases Availability Index	0.02281	0.15405
Surgical care Availability Index	0.02260	0.14065
Maternal, newborn, child, and adolescent health Availability Index	0.02175	0.08548
Specific Service Availability Index	0.02204	0.10817
Non-communicable diseases Readiness Index	0.02166	0.07656
Surgical care Readiness Index	0.02165	0.07437
Communicable diseases Readiness Index	0.02158	0.06648
Maternal, newborn, child, and adolescent health Readiness Index	0.02141	0.04482
Specific Service Readiness Index	0.02145	0.04995
Support for quality of care index	0.02431	0.21451
Adherence to standards Index	0.02354	0.18504
Monitoring of quality of care index	0.02274	0.15035
QoC Index	0.02314	0.16870
Management and Finance Index	0.02268	0.14350
KHFA Overall Index	**0.02187**	**0.09489**

Annex Table 146: Spearman's rank correlation between the domain aspects and the overall HFA index, Kenya 2018

Domain aspect	KHFA Overall Index	p-value
QoC Index	**.861****	.000
Management and Finance Index	**.848****	.000
Monitoring of quality of care index	**.832****	.000
Support for quality of care index	**.813****	.000
Adherence to standards Index	**.710****	.000
Basic amenities mean score	**.706****	.000
Health Workforce Index	**.686****	.000
Specific Service Availability Index	**.673****	.000
General Service Availability Index	**.656****	.000
General service readiness index	**.633****	.000
Specific Service Readiness Index	**.617****	.000
Health Services Infrastructure Index	**.553****	.000
Communicable diseases Availability Index	**.529****	.000
Communicable diseases Readiness Index	**.510****	.000
Non-communicable diseases Availability Index	**.503****	.000
Service Utilization Index	**.501****	.000
Surgical care Availability Index	.490**	.000
Non-communicable diseases Readiness Index	.477**	.001
Basic equipment mean score	.454**	.001
Maternal, newborn, child, and adolescent health Availability Index	.453**	.001
Surgical care Readiness Index	.424**	.003
Diagnostics mean score	.413**	.004
Maternal, newborn, child, and adolescent health Readiness Index	.406**	.005
Essential medicines mean score	.317*	.030
Standard precautions mean score	.170	.255

Administration Questionnaire

Number	Question	Result
	SECTION 0: COVER PAGE AND FACILITY IDENTIFIERS	
100	FACILITY CODE	☐☐☐☐☐☐
101	Is this a supervisor validation check of a facility?	YES, SUPERVISOR VALIDATION .....1 NO, DATA COLLECTION FOR FACILITY SURVEY 2
	FACILITY IDENTIFICATION	
102	Name of facility	_____
103	Is this facility known by any other names? IF YES, PLEASE SPECIFY.	YES .....1 _____ (SPECIFY) NO.....2
104	Nearest landmark	_____
105	Name of County _____	COUNTY CODE ☐☐
106	Name of sub-county _____	SUB-COUNTY CODE ☐☐

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Visit #	Date DD	Date MM	Date YYYY	Int. Code	Result Code*
1	☐☐	☐☐	☐☐☐☐		
2	☐☐	☐☐	☐☐☐☐		
3	☐☐	☐☐	☐☐☐☐		

***Result Code**

1=Interview Started
2=Postponed
3=Facility closed
4=Facility destroyed
5=Facility not found
6=Other _____ (SPECIFY)

COMPLETE GPS COORDINATES REGARDLESS OF RESULTS CODE

FINAL VISIT

DAY ☐☐
MONTH ☐☐
YEAR ☐☐☐☐
INT. CODE ☐☐
RESULT CODE ☐

GEOGRAPHIC COORDINATES		
	Record the GPS reading according to the instructions. Set default settings for GPS: 1. Set coordinate system to latitude/longitude 2. Set coordinate format to decimal degrees 3. Set datum to WGS84 Move to main entrance of the building. Stand within 30 meters of door where entrance is in plain view to the sky. 1. TURN GPS MACHINE ON AND WAIT UNTIL SATELLITE PAGE CHANGES TO "POSITION". 2. WRITE ALTITUDE 3. PRESS "MARK" 4. HIGHLIGHT "AVERAGE" AND PRESS "ENTER" 5. HIGHLIGHT "WAYPOINT NUMBER" AND PRESS "ENTER" 6. ENTER FACILITY CODE 7. WAIT 5 MINUTES 8. HIGHLIGHT "SAVE" AND PRESS "ENTER" 9. PAGE TO MAIN MENU, HIGHLIGHT "WAYPOINT LIST" AND PRESS "ENTER" 10. HIGHLIGHT YOUR WAYPOINT 11. COPY INFORMATION FROM WAYPOINT LIST PAGE- THIS IS THE AVERAGE OF ALL BE SURE TO COPY THE WAYPOINT NAME FROM THE WAYPOINT LIST PAGE TO VERIFY THAT YOU ARE ENTERING THE CORRECT WAYPOINT INFORMATION ON THE DATA FORM	
120	Waypoint name (Facility number)	☐☐☐☐☐☐
121	Altitude (meters)	☐☐☐☐
122	Latitude	N/S…… a ☐ DEGREES/DEC b ☐☐.☐ c ☐☐☐☐☐
123	Longitude	E/W…… a ☐ DEGREES/DEC b ☐☐☐.☐ c ☐☐☐☐☐

INFORMED CONSENT STATEMENT

The Ministry of Health in close collaboration with the World Health Organization, USAID and JICA are working to collect information about the availability of key health services in different facilities. This information will be collected in selected primary health care and secondary referral facilities across the country. The survey is part of the government's on-going efforts to understand what services are being offered and where they are being offered.

The present study will be conducted across the country. The facilities included in the survey were selected randomly from a list of all facilities in the country. The selection process was done in a manner that ensured equal opportunity for every facility in each county to be included in the sample.

As the ***in-charge*** of this facility, we will request that you help us to collect the information from the persons who are most knowledgeable about the services. For any questions we ask, if there is another person who is in a better position to provide details, please feel free to refer us to that person. We will want to speak with persons familiar with various outpatient services, delivery services, and surgical services if these are offered so that we can correctly identify components of these services that are offered in this facility. We anticipate that the time required from an individual respondent to complete data collection from a service site may take from 5 to 10 minutes, depending on how busy each separate site is.

Your participation in this survey is voluntary and at no cost to you as an individual. You may choose not to participate at all or to stop at any time before the end of the survey. You may also choose not to answer any question that you are not comfortable with.

The information on service availability will be shared with the MOH and other relevant stakeholders who support the MOH, to provide information for planning purposes. No names of any respondents will be shared.

In case you have any question(s) about this survey at any time, please feel free to contact any of the following people
[LIST NAMES AND PHONE NUMBERS OF SURVEY MANAGEMENT PERSONS WHO CAN BE CONTACTED]
At this point do you have any questions about the study? Do I have your agreement to proceed?

Signature of team leader indicating Informed consent was read and agreed by the In-charge/acting in-charge	*Signature of facility staff authorizing data collection and position of the person providing authorization*

130	CONSENT	Consent given by facility in-charge?	YES.....1 NO 2	➔END

FACILITY IDENTIFICATION				
1.0	**150**	**Type of facility**	**LEVEL 5: SECONDARY HOSPITAL & ABOVE.....1** **LEVEL 4: PRIMARY HOSPITAL.....2** **LEVEL 3: HEALTH CENTRES.....3** **LEVEL 2: DISPENSARIES.....4** **LEVEL 2: MEDICAL CLINICS.....5**	
1.0	151	Which of the responses best describes the managing authority for this facility? That is, the authority that makes policy decisions and provides supervision for the facility?	GOVERNMENT/PUBLIC ..... 1 NGO .....5 FAITH-BASED ORGANIZATION .....6 PRIVATE .....7 OTHER (SPECIFY) _____ 96	
	152	Are the managing authority and the ownership of the facility the same?	YES .....1 NO..... 2	➔154
	153	Which of the responses best describes the ownership for this facility	GOVERNMENT/PUBLIC ..... 1 NGO .....5 FAITH-BASED .....6 PRIVATE .....7 OTHER (SPECIFY) _____ 96	
1.0	154	RECORD FACILITY LOCATION: URBAN OR RURAL	URBAN ..... 1 RURAL 2	
3.0	155	Service levels available	OUTPATIENT ONLY ..... 1 BOTH OUT AND INPATIENT 3	

1 CLIENT SERVICES						
	204. Specialty medical services					
			OUTPATIENT ONLY	INPATIENT ONLY	BOTH OUT AND INPATIENT	SERVICE NOT OFFERED
3.4		Does this facility offer any specialty medical or health services? By this I mean that there is a specialist physician who provides the service and medical equipment for diagnosis and treatment.	1	2	3	4 220 ↵
	01	Allergy and Immunology	1	2	3	4
	02	Burn management		2		4
	03	Cardiology	1	2	3	4
	04	Critical care/intensive care medicine		2		4
	05	Dermatology	1	2	3	4
	06	Emergency medicine	1	2	3	4
	07	Endocrinology	1	2	3	4
	08	Gastroenterology	1	2	3	4
	09	Geriatric medicine	1	2	3	4
	10	Obstetrics	1	2	3	4
	11	Gynaecology	1	2	3	4
	12	Haematology	1	2	3	4
	13	Hospice or Palliative care medicine	1	2	3	4
	14	Infectious diseases	1	2	3	4
	15	Nephrology (kidney diseases)	1	2	3	4
	16	Neurology	1	2	3	4
	17	Oncology	1	2	3	4
	18	Ophthalmology	1	2	3	4
	19	Orthopedics	1	2	3	4
	20	Otorhinolaryngology (E.N.T.)	1	2	3	4
	21	Paediatrics	1	2	3	4
	22	Physical/Rehabilitation medicine	1	2	3	4

	23	Psychiatry/Psychology/Mental Health	1	2	3	4
	24	Pulmonary medicine (respiratory illnesses)	1	2	3	4
	25	Rheumatology	1	2	3	4

	1.2 CONTRACTED-OUT/OUTSOURCED CLIENT SERVICES			
	220	Are any of the client services contracted out/outsourced by this facility? That is, has the facility entered into a formal contract for another body to manage and implement the services in return for payment from this facility?	YES ..... 1 NO 2	➔250
	221	Please specify which client services are contracted out by this facility and where the contracted services are provided: FOR EACH CONTRACTED SERVICE, RECORD THE NAME OF THE SERVICE AND THEN RECORD THE NUMBER FOR THE SERVICE (FROM Q. 200) ON THE LINES BELOW.		

		(a)	(b)		(c)	
		CONTRACTED/OUTSOURCED SERVICE NAME	WHERE CONTRACTED SERVICE ARE PROVIDED		ADDITIONAL CONTRACTED CLIENT SERVICES?	
			THIS FACILITY GROUNDS	OFF FACILITY GROUNDS	YES	NO
	01	_____	1	2	1	2➔250
	02	_____	1	2	1	2➔250
	03	_____	1	2	1	2➔250
	04	_____	1	2	1	2➔250
	05	_____	1	2	1	2➔250
	06	_____	1	2	1	2➔250
	07	_____	1	2	1	2

2 STAFFING

2.1 FACILITY STAFF NUMBERS AND CADRE

Now we are going to ask about staffing numbers and types of staff who work at this facility. If someone else in the facility is more familiar with the topic, please tell me so that we can arrange for me to talk with them.

	NO.		Question	Result	Skip
	250	Do you have knowledge of the staffing norms and guidelines?	YES.....1 NO 2	➔COMPLETE ALL COLUMNS ➔COMPLETE COLUMNS C-E	
		I would like to know about personnel who work in this facility. These may be full-time, part-time, or seconded persons. First [COLUMN A], I would like to know about the professional qualification of personnel who work in this facility and numbers of personnel with this qualification who are officially authorized for this facility. READ EACH QUALIFICATION. Next [COLUMN B], I would like to know how many positions within each cadre have been vacant for more than 6 months in the past 12 months. I would then like to know about the numbers of personnel within each cadre who are currently assigned to, employed by, or seconded to this facility [COLUMN C]. **Please count each staff member only once, on the basis of the highest technical or professional qualification, and not on the basis of their position**. Of these persons, I would also like to know how many of the total number are part-time within this facility [COLUMN D]. Please include all staff who provide inpatient, outpatient and outreach services. Finally, I would like to know how many positions of the total number assigned are casual/contracted staff [COLUMN E]. ONLY COUNT STAFF WHO ARE UNDER THE AUTHORITY OF THE FACILITY MANAGER.			

		CADRE/ QUALIFICATION	(A) NO. OF STAFF ALLOCATED AS PER HR NORMS AND STANDARDS (IF 0, SKIP TO COL C)	(B) TOTAL ALLOCATED POSITIONS VACANT FOR MORE THAN 6 MONTHS IN THE PAST YEAR	(C) TOTAL STAFF ASSIGNED, EMPLOYED, SECONDED, (INCLUDING PART-TIME EMPLOYEES,) (if 0, skip to next row)	(D) TOTAL PART-TIME (FROM AMONG THOSE IN COL. C)	(E) TOTAL CASUAL/ CONTRAC-TED STAFF (FROM AMONG THOSE IN COL. C)
		251 PHYSICIAN PROFESSIONAL					
5.1 4 6	01[S]	Medical Officers					
5.2 4 6	02[S]	Specialist medical physicians (e.g., Obstetricians, Paediatricians, etc.)					
		Please complete the following details on specialist medical physicians who are counted in prior column C (assigned/employed/seconded), for 03-08.					
	03	Obstetricians/Gynacologist					
	04	Paediatricians					
	05	Oncologist					
	06	Rehabilitation specialists (Occupational Therapists, Physiotherapist)					
	07	Psychiatrist					

		CADRE/ QUALIFICATION	(A) NO. OF STAFF ALLOCATED AS PER HR NORMS AND STANDARDS (IF 0, SKIP TO COL C)	(B) TOTAL ALLOCATED POSITIONS VACANT FOR MORE THAN 6 MONTHS IN THE PAST YEAR	(C) TOTAL STAFF ASSIGNED, EMPLOYED, SECONDED, (INCLUDING PART-TIME EMPLOYEES,) (if 0, skip to next row)	(D) TOTAL PART-TIME (FROM AMONG THOSE IN COL. C)	(E) TOTAL CASUAL/ CONTRAC-TED STAFF (FROM AMONG THOSE IN COL. C)
	08	Neurologist					
	KEN20	General Surgeon					
	KEN21	Paediatric surgeon					
	KEN22	Paediatric anaesthetist					
		OTHER PHYSICIAN QUALIFIED SPECIALISTS FROM AMONG THOSE COUNTED EARLIER					
	30	Radiologist					
	31	Pathologist	N/A				
	KEN32	Anesthesiologist	N/A				
	KEN33	Oromaxillofacial Anesthesiologist	N/A				
	KEN34	Cardiologist	N/A				
	KEN35	Orthopaedic Surgeon					
	KEN36	Cardiothoracic Surgeon	N/A				
	KEN37	Critical Care Physician	N/A				
	KEN38	ENT surgeon					
	KEN39	Gastroenterologist	N/A				
	KEN40	Palliative Care Specialist	N/A				
	KEN41	Neonatologist	N/A				
	KEN42	Nephrologist	N/A				
	KEN43	Plastic Surgeon	N/A				
	KEN44	Neuro-Surgeons	N/A				
	KEN45	Ophthalmologist	N/A				
	KEN47	Dermatologists	N/A				

		CADRE/ QUALIFICATION	(A) NO. OF STAFF ALLOCATED AS PER HR NORMS AND STANDARDS (IF 0, SKIP TO COL C)	(B) TOTAL ALLOCATED POSITIONS VACANT FOR MORE THAN 6 MONTHS IN THE PAST YEAR	(C) TOTAL STAFF ASSIGNED, EMPLOYED, SECONDED, (INCLUDING PART-TIME EMPLOYEES,) (if 0, skip to next row)	(D) TOTAL PART-TIME (FROM AMONG THOSE IN COL. C)	(E) TOTAL CASUAL/ CONTRAC-TED STAFF (FROM AMONG THOSE IN COL. C)
	KEN52	Rheumatologist	N/A				
	KEN53	Specialist Physician (Internist)	N/A				
	KEN54	Medical Endocrinologist	N/A				
	KEN55	Public Health Physician	N/A				
	KEN56	Urological Surgeon	N/A				
	KEN57	Child & Adolescent Psychiatrist	N/A				
	KEN58	Community Psychiatrist	N/A				
	KEN59	Forensic Psychiatrist	N/A				
	252. OTHER NON-PHYSICIAN MEDICAL/NURSING PROFESSIONALS						
5.146	01[S]	Clinical officers					

	FILTER Q	Are any specialised clinical officers currently employed in this facility?	YES ..... 1 NO 2	SKIP to KEN15 below

		Please complete the following details on clinical officers who are counted in prior column C (assigned/employed/seconded) who have additional training, for the indicated specialty.					
	?	ENT/Audiology	N/A				
	?	Lung and skin	N/A				
	?	Ophthalmology/cataract surgery	N/A				
	?	Paediatrics	N/A				
	?	Reproductive health	N/A				
	?	Dermatology/venerology	N/A				
	?	Orthopaedics	N/A				
	?	Anaesthetists	N/A				
	?	Psychiatry/Mental health	N/A				
	?	Oncology/Palliative care	N/A				

5.14.6	02[S]	Nurses					
5.14.6	03	Midwives					
5.14.6	04	Nurse-midwife (dual trained) professional					
		Please complete the following details on nursing /midwifery professionals who are counted in prior column C (assigned/employed/seconded) for nursing/midwifery staff who have additional training, for the indicated specialty in 05-09:					
	KEN15	Kenya Enrolled Community Health Nurse (KEHCN)	N/A				
	KEN16	Kenya Registered Community Health Nurse (KRHCN)	N/A				
	KEN17	Registered Nurse					
	KEN18	Enrolled Nurse					
	KEN10	BSN Nurse					
	KEN23	Registered Midwives					

	FILTER Q	Are any specialised nurses currently employed in this facility?	YES ..... 1 NO 2	SKIP to 253

5.14.6	05	Anaesthetist Nurse	N/A				
	06	Theatre nurses	N/A				
	07	Paediatric nurses	N/A				
	08	Neonatal nurses	N/A				
	09	Psychiatric nurse	N/A				
	KEN11	Cardiology Nurse	N/A				
	KEN12	Critical Care Nurses	N/A				
	KEN13	Dental Nurse	N/A				
	KEN14	Forensic Nurse	N/A				
	KEN19	Nephrology Nurse	N/A				
	KEN20	Oncology Nurse	N/A				

	KEN21	Ophthalmic Nurse	N/A				
	KEN22	Palliative Care Nurse	N/A				
	KEN24	Sign Language Nurse	N/A				
	KEN25	Accidents & Emergency Nurse	N/A				
	253. ALLIED HEALTH PROFESSIONALS (ALL N/A FOR COL A+B EXCEPT WHERE INDICATED WITH "OK")						
5.16	01	Public Health Officers	OK				
	02	Psychologist					
	03	Social worker					
5.16	04	General Physiotherapists	OK				
	KEN04A	Orthopaedic Technologist	OK				
	KEN04B	BSc Physiotherapy					
	KEN04C	Specialized Physiotherapists					
5.16	05	Occupational therapist	OK				
	06	Audiologist/ audiometrists					
	07	Speech therapist					
	08	Prosthetist and orthotist					
5.16	09	Dietician					
	10	Nutritionist	OK				
5.16	11	Optometrist and ophthalmic optician					
5.16	12	Medical Laboratory technologist	OK				
	13	Other laboratory professionals					
	14	Respiratory technologist/ Therapist					

5.16	15	Pharmacist	OK				
5.16	16	Dentist	OK				
5.16	18	Medical engineers					
5.16	96	Other allied health professional not elsewhere classified					
		SPECIFY THE TYPES OF OTHER ALLIED HEALTH PROFESSIONALS:					
	254. ALLIED HEALTH ASSOCIATES (ALL N/A FOR COL A+B)						
5.16	01	Radiographers	OK				
	02	Other medical imaging and therapeutic equipment operator					
5.16	03	Medical and pathology laboratory technicians					
	04	Respiratory technician					
	05	Technician for medical gases					
	06	Other equipment technicians not counted previously					
	07	ICT Officer					
5.16	08	Pharmacy technologists					
5.16	09	Medical and dental prosthetic technologists					
5.16	10	Dental Technologist					
5.16	11	Commodity logistics specialists (e.g., for warehouse)					
5.16	12	Health Records Information Officers	OK				
5.16	13	Dispensing optician					
5.16	15	Public Health Technicians					
	17	Qualified health service manager (with background in health management)					

5.16	96	Other health associate professional (not elsewhere classified)					
		SPECIFY THE OTHER TYPES OF ALLIED HEALTH ASSOCIATE PROFESSIONALS:					
	255. OTHER HEALTH/ALLIED HEALTH ASSOCIATES						
5.16	05	Community health worker	OK				
5.16	KEN06A	Health Administrative Officers	OK				
	KEN06B	Human Resource Management Officer					
	KEN06C	Clerks	OK				
	KEN06D	Secretaries	OK				
	KEN06E	Accountants	OK				
	KEN06F	Supply Chain Assistant					
	KEN06G	Supply Chain Officer					
	08	Staff with primary responsibility for facility/grounds/ equipment maintenance and repair					
5.16	11	Cleaners/housekeeping staff	OK				
	12	Laundry/cooking staff	OK				
5.16	96	All other staff not elsewhere classified					

	2.2 OTHER PAEDIATRIC SPECIALTY STAFF			
	260	Among all specialist physicians reported previously, are there any paediatric specialist physicians other than the paediatrician, paediatric surgeon and paediatric anaesthetist reported previously?	YES.....1 NO 2	➔270
	261	For each of the following paediatric surgical specialists, please tell me the numbers available in this facility. THESE SPECIALISTS ARE A SUBSET OF THE PHYSICIAN SPECIALISTS COUNTED IN THE PRIOR SECTION		

		CADRE/ QUALIFICATION			**(C) TOTAL STAFF ASSIGNED, EMPLOYED, SECONDED (INCLUDING PART-TIME EMPLOYEES) (if 0, skip to next row)**	**(D) TOTAL PART-TIME (FROM AMONG THOSE IN COL. C)**	
	01	Cardiac Surgeon					
	02	Dental Surgeon					

	2.2 OTHER PAEDIATRIC SPECIALTY STAFF						
	03	Neuro surgeon					
	04	Ophthalmologist					
	05	Orthopaedic surgeon					
	06	Otorhinolaryngologist					
	07	Plastic Surgeon					
	08	Urologist					
	262	**For each of the following <u>paediatric non-surgical specialists</u>, please tell me the numbers available in this facility**					
	01	Neonatologist					
	02	Cardiologist					
	03	Endocrinologist					
	04	Haematologist					
	05	Nephrologist					
	06	Neurologist					
	07	Respiratory physician					
	08	Radiologist					
	09	Pathologist					
	10	Oncologist					

	2.3 OTHER QUALIFICATIONS OF FACILITY MANAGERS					
	270	Do any of the following persons have a diploma or certificate in general management or health service management? IF NOT SURE, ASK RESPONDENT TO CALL AND ASK THE PERSON(S) IN THE POSITION(S) LISTED BELOW.	Degree	Diploma or Certificate	Short courses-4weeks and below)	None
	01	Facility director/Medical superintendent	1	2	5	8
	02	Facility administrator or Head of administration	1	2	5	8
	03	Medical director	1	2	5	8
	04	Nursing director	1	2	5	8

	2.4 PROFESSIONAL GRADUATE VOLUNTEER STAFF			
	280	Do any professional graduates work in this facility as volunteers?	YES .....1 NO.....2	➔290

	281	Please indicate the average number of professional graduate volunteers of each cadre I mention who work in this facility in a normal month. REVIEW CADRE AND COUNTRY ADAPT TO WHAT IS COMMONLY FOUND			ESTIMATED NUMBER OF PROFESSIONAL GRADUATE VOLUNTEERS	
		CADRE WORKING AS VOLUNTEERS	(a)		(b)	
			YES	NO	AVERAGE NUMBER EACH MONTH	
	01	Doctors (generalist)	1➔(b)	2 02		
	02	Doctors (specialist)	1➔(b)	2 03		
	03	Nursing professionals	1➔(b)	2 04		
	04	Midwifery professionals	1➔(b)	2 05		
	05	Technicians (laboratory, pharmacy, equipment operators, biomedical equipment technicians and biomedical engineers)	1➔(b)	2 96		
	96	Other _____ SPECIFY	1➔(b)	2 290		

2.5 PATIENT/STAFF RATIOS

	290	DOES THIS FACILITY ROUTINELY PROVIDE INPATIENT SERVICES?	Yes..... 1 No..... 2	➔KEN7049
08	291	Among the professional nurses and midwives counted in the staff listing, how many are assigned to wards for inpatient care?	PROFESSIONAL NURSES/ MIDWIVES WHO PROVIDE CARE FOR INPATIENTS	
08	292	Among the medical staff (clinical officers, MOs and consultants) counted in the staff listing how many routinely provide care for inpatients?	MEDICAL STAFF WHO ROUTINELY PROVIDE CARE FOR INPATIENTS	

30.3 PERSONNEL MANAGEMENT AND SUPERVISION

Indicator No.	Question No.	Question	Result		Skip
Now I would like to ask you questions related to HR governance implemented by this facility. If someone else in the facility is more familiar with the topic, please tell me so that we can arrange for me to talk with them.					
	KEN7049	Does this facility have a system for routinely verifying the license and other relevant credentials for any staff?	YES.....1 NO.....2		➔7053
	KEN7050	For which of the following categories of staff are licenses and credentials routinely verified?	YES	NO	
	01	Medical staff	1	2	
	02	Nursing/midwifery staff	1	2	
	03	Other licensed personnel (e.g., physical therapy, dentists)	1	2	
Indicator No.	Question No.	Question	Result		Skip

	7053	(1) Does this facility have a routine system for evaluating staff? (2) IF YES, ASK TO SEE A COPY OF AN EVALUATION FORM	YES, OBSERVED ..... 1 REPORTED, NOT SEEN ..... 2 NO 3			➔7055
	7054	(3) How frequently are staff evaluations performed?	ANNUALLY OR MORE FREQUENT ..... 1 EVERY 2 YEARS ..... 2 NO FIXED TIME INTERVAL 3			
	7055	(4) Is there any process for identifying and recognizing or rewarding staff for good performance?	YES ..... 1 NO 2			➔7130
	7056	(5) Does the facility use any of the following methods for recognizing or rewarding staff for good performance? (6) IF YES CLARIFY IF THE METHOD IS ROUTINELY PRACTICED OR OCCASIONALLY PRACTICED.	ROUTINE PRACTICE	PRACTI-CED OCCA-SIONAL-LY	NOT PRACTICED	
	01	(7) Bonus payment	1	2	3	
	02	(8) Post name/picture in recognition of good work	1	2	3	
	06	(9) OTHER _____ (10) (SPECIFY)	1	2	3	

		C IN-SERVICE TRAINING		
Indicator No.	Question No.	Question	Result	Skip
423	7130	Does this facility have a routine system for Continuous Education/Professional Development for nursing or midwifery staff? By routine I mean the in-service education is carried out at a set time interval and the schedule is shared so that units can plan to send staff if the training is relevant. IF YES, PLEASE ASK: How often are routine in-service education sessions for nursing or midwifery staff conducted?	YES, AT LEAST MONTHLY ..... 1 YES, AT LEAST EVERY 2-3 MONTHS ..... 2 YES, EVERY 4-6 MONTHS ..... 3 YES, EVERY 7-12 MONTHS ..... 4 YES, LESS OFTEN THAN ANNUALLY OR NO SET TIME ..... 5 NO 6	
423	7131	Does this facility have a routine system for Continuous Medical Education (CME) /Professional Development for physicians or clinical officers? By routine I mean the in-service education is carried out at a set time interval and the schedule is shared so that physicians or clinical officers can attend if relevant. IF YES, PLEASE ASK: How often are routine in-service education sessions for physicians or clinical officers conducted?	YES, AT LEAST MONTHLY ..... 1 YES, AT LEAST EVERY 2-3 MONTHS ..... 2 YES, EVERY 4-6 MONTHS ..... 3 YES, EVERY 7-12 MONTHS ..... 4 YES, LESS OFTEN THAN ANNUALLY OR NO SET TIME ..... 5 NO 6	
	7132	Does this facility maintain a written or computerized record for staff who receive training? IF YES, ASK: Is a record maintained for onsite training only, for offsite training only or for both on and offsite training?	YES, FOR ONSITE TRAINING ..... 1 YES FOR OFFSITE TRAINING ..... 2 YES, FOR BOTH ON AND OFFSITE TRAINING ..... 3 NO 4	➔351
	7133	ASK TO SEE THE TRAINING RECORDS THAT ARE APPLICABLE	OBSERVED ONSITE TRAINING RECORD ..... 1 OBSERVED OFFSITE TRAINING RECORD ..... 2 OBSERVED BOTH ONSITE AND OFFSITE TRAINING RECORD ..... 3 NO TRAINING RECORDS OBSERVED 4	

3 FACILITY BEDS

Now I would like to ask you questions on facility beds either for overnight care or for inpatient services. If someone else in the facility is more familiar with the topic, please tell me so that we can arrange for me to talk with them.

2	351[S]	Excluding any beds/tables used for delivery, and excluding smaller beds (infant/paediatric) how many overnight/inpatient beds in total does this facility have, both for adults and children? This includes beds used for observation of emergency patients and intensive care beds.	# OF OVERNIGHT/ INPATIENT BEDS. . . . . ☐☐☐☐ NO BEDS FOR OVERNIGHT CARE 0000	➔2000
	KEN351	How many paediatric sized beds and infant cots does this facility have? ASK SEPARATELY FOR PAEDIATRIC BEDS (SMALLER THAN ADULT SIZE) AND INFANT COTS/CRIBS	a) PAEDIATRIC BEDS ☐☐☐ NO PAEDIATRIC BEDS ..... 000 b) INFANT COTS/CRIBS ☐☐☐ NO INFANT COTS/CRIBS..... 000	
2 3	352[S]	How many of the overnight/inpatient beds are dedicated maternity beds? THIS DOES NOT INCLUDE BEDS/TABLES USED FOR DELIVERY SERVICES	# OF DEDICATED MATERNITY BEDS. . . . . ☐☐☐ NO DEDICATED MATERNITY BEDS 000	
2	353	In total, what is the official number of <u>authorized inpatient beds,</u> including dedicated maternity beds? DO NOT INCLUDE SMALLER BEDS USED FOR INFANTS/PAEDIATRIC OR OVERNIGHT/ EMERGENCY OBSERVATION BEDS IN THIS NUMBER.	# OF ESTABLISHED INPATIENT BEDS. ☐☐☐☐ NO ESTABLISHMENT INPATIENT BEDS..... 0000	
	354	How many of the overnight beds that are not considered established inpatient beds, are dedicated beds/gurneys for general emergency care?	# OF DEDICATED EMERGENCY BEDS ☐☐ NO DEDICATED EMERGENCY BEDS.....00	
3	355	Are there any holding or observation beds that are different from those reported in the prior question?	YES .....1 NO.....2	➔357
3	356	What is the total number of other observation/ treatment beds?	# OF OTHER OBSERVATION/TREATMENT BEDS ☐☐	
3.3	357	Is there an isolation ward where only TB patients are located?	YES ..... 1 NO..... 2	
3.3	358	Is there an isolation ward where only highly contagious patients <u>other than TB</u> patients are located?	YES ..... 1 NO..... 2	
3.3	359[S]	Are there private rooms or closed off sections of wards where highly contagious patients can be isolated?	YES ..... 1 NO..... 2	
		A. SPECIFIC WARDS AND BEDS FOR THE WARDS		
3	360	Now I would like to know about specific inpatient units or wards in this facility. First please tell me how many of each unit or ward type I mention currently are functioning in this facility. Please also tell me how many established beds in total are in each ward type that I mention. For example, if you have 2 medical wards, please tell me how many established beds in total there are in both medical wards. IF THERE IS NO WARD OF THE TYPE I MENTION, CIRCLE '00' FOR NO. OF WARDS. DO NOT DOUBLE COUNT BEDS IN TWO DIFFERENT TYPES OF WARDS.		

		TYPE OF WARD	(a)	(b)
3	01	Medical ward (adult)	# MEDICAL WARDS ☐☐ NONE.....00➔02	# MEDICAL BEDS ☐☐☐

		TYPE OF WARD	(a)	(b)
3	02	Surgical ward (adult)	# SURGICAL WARDS NONE.....00➔03	# SURGICAL BEDS
3	03	Combined medical/ surgical ward (adult)	# COMBINED MEDICAL/SURGICAL WARDS NONE.....00➔04	# COMBINED MED/SURG BEDS
3	04	Paediatric medical ward	# PEDIATRIC MEDICAL WARDS NONE.....00➔05	# PEDIATRIC MEDICAL BEDS
	05	Paediatric surgical ward	# PEDIATRIC SURGICAL WARDS NONE.....00➔06	# PEDIATRIC SURGICAL BEDS
	06	Paediatric combined medical/surgical ward	# PEDIATRIC COMBINED WARDS NONE.....00➔07	# PEDIATRIC COMBINED BEDS
3	07	Obstetric/maternity ward	# OBSTETRIC/ MATERNITY WARDS NONE.....00➔08	# OBSTETRIC/ MATERNITY BEDS
3	08	Combined obstetric (delivery)/gynecology ward	# COMBINED OBSTETRIC (DELIVERY)/ GYNECOLOGY WARDS NONE.....00➔09	# OBSTETRIC (DELIVERY)/ GYNECOLOGY BEDS
3	09	Newborn ward	# NEWBORN WARDS NONE.....00➔361	# NEWBORN BEDS/COTS
	361	DOES THE FACILITY HAVE ANY INTENSIVE CARE BEDS INCLUDING NEONATAL INTENSIVE CARE COTS/BEDS?	YES..... 1 NO..... 2	➔364
	362	For each type of ICU I mention, please tell me how many units of the type there are and how many beds there are in the units.		
3	11	Neonatal intensive care unit (NICU)	# NICU WARDS NONE.....0➔12	# NICU BEDS/COT
	12	Neonatal intensive care beds/cots outside of NICU	YES..... 1 NONE.....0➔13	# NICU BEDS/COT OUTSIDE NICU
3	13	Pediatric Intensive care unit (PICU) (ALL TYPES)	# PAEDIATRIC INTENSIVE CARE UNITS NONE.....0➔14	# PICU COTS/BEDS
3	14	Adult medical Intensive care units	# ADULT MEDICAL INTENSIVE CARE UNITS NONE.....0➔15	# ADULT MEDICAL INTENSIVE CARE BEDS

		TYPE OF WARD	(a)	(b)
	15	Adult surgical intensive care units	# ADULT SURGICAL INTENSIVE CARE UNITS NONE.....0➔16	# ADULT SURGICAL INTENSIVE CARE BEDS
	16	Adult combined medical/ Surgical ICU unit	# ADULT COMBINED MED/SURG INTENSIVE CARE UNITS NONE.....0➔17	# ADULT COMBINED MED/SURG INTENSIVE CARE BEDS
3	17	Combined adult, paediatric intensive care unit	# ADULT/PAEDIATRIC COMBINED INTENSIVE CARE UNITS NONE.....0➔18	# ADULT/ PAEDIATRIC COMBINED INTENSIVE CARE BEDS
	18	Other intensive care units _____ (SPECIFY)	OTHER INTENSIVE CARE UNIT #1 NONE.....0➔364	# OTHER INTENSIVE CARE BEDS
	19	Other intensive care units _____ (SPECIFY)	OTHER INTENSIVE CARE UNIT #2 NONE.....0➔364	# OTHER INTENSIVE CARE BEDS
	363	TOTAL INTENSIVE CARE UNITS/BEDS/COTS	A) TOTAL INTENSIVE CARE UNITS	# TOTAL INTENSIVE CARE BEDS/COTS
	364	OTHER WARDS AND BEDS		
3	30	Tuberculosis ward	YES.....1 NO .....2➔31	# TOTAL TB BEDS
3	31	Non-TB specific isolation beds	YES.....1 NO .....2➔32	# TOTAL NON-TB ISOLATION BEDS
3	32	Mental health ward [MAY INCLUDE NEUROLOGICAL HEALTH IF THE SERVICES ARE COMBINED]	YES.....1 NO .....2➔33	# TOTAL MENTAL HEALTH BEDS
	33	Neurological health ward	YES.....1 NO .....2➔96	# TOTAL NEUROLOGICAL HEALTH BEDS
	96	Other wards _____ (SPECIFY)	YES.....1 NO .....2➔2000	# OTHER BEDS

	10 FACILITY INFRASTRUCTURE AND SYSTEMS FOR SAFETY			
	First, I would like to know about the infrastructure and systems for patient safety that are available in this facility. If conditions are different in different sections of the facility, for example for outpatient and inpatient services, please provide the response for the highest level of infrastructure that is available for the facility.			
	10.1 INFRASTRUCTURE			
		A. COMMUNICATIONS		
38	2000	Does this facility have a formal means for communicating outside the facility such as a phone or radio that are supported by the facility?	YES, FUNCTIONAL ..... 1 YES, NOT FUNCTIONAL ..... 2 NO, ONLY PRIVATE PHONES ..... 3 NO OUTSIDE COMMUNICATION 4	➔2002
	KEN2000	What is the source of funding for the outside communication?	GOVERNMENT OF KENYA/ COUNTY ..... 1 PARTNERS ..... 2 COMMUNITY ..... 3 FACILITY (BUDGETED OR PETTY CASH) ..... 4 OTHER _____ ..... 5 (SPECIFY)	
38	2002	Does this facility have ***a functioning computer?***	YES ..... 1 NO 2	
38	2004	Is there access to email or internet within the facility today? IF YES, CLARIFY IF THERE IS A FACILITY DEVICE THAT CAN BE USED FOR INTERNET ACCESS OR IF ACCESS IS ONLY THROUGH PRIVATE DEVICES.	YES, FACILITY DEVICE ..... 1 YES, ONLY PRIVATE DEVICES ..... 2 NO 3	
	2005	Is the connecting time for the internet paid or allocated by the management?	YES ..... 1 NO 2	
		B. POWER SUPPLY		
38	2025	Does this facility have power from any source such as national electricity grid, generator, solar, or other, including for stand-alone devices such as those used to maintain the EPI cold chain?	YES ..... 1 NO 2	➔2050
38	2026	What is the electricity used for in the facility?	ONLY STAND-ALONE ELECTRIC MEDICAL DEVICES/APPLIANCES (e.g. EPI cold room, refrigerator, suction apparatus, etc.) ..... 1 ELECTRIC LIGHTING AND COMMUNICATIONS (ANY LEVEL) ..... 2 ELECTRIC LIGHTING, COMMUNICATIONS, AND 1 TO 2 ELECTRIC MEDICAL DEVICES/ APPLIANCES ..... 3 ALL ELECTRICAL NEEDS OF FACILITY 4	
38	2027	What is the facility's main source of electricity? IF RESPONSE IS DIFFERENT FOR IN AND OUTPATIENT SERVICE AREAS, PROVIDE RESPONSE FOR INPATIENT SERVICE AREAS	ELECTRICITY GRID ..... 1 GENERATOR ..... 2 SOLAR ..... 3 WIND ..... 4 GAS USED TO MAINTAIN THE EPI COLD CHAIN 5 OTHER, INCLUDING FOR STAND-ALONE DEVICES_____ ..... 6 (SPECIFY)	
38	2028	Other than the main or primary source, does the facility have a secondary or backup source of electricity?	YES ..... 1 NO 2	

38	2035	During the past 7 days, was electricity available, from the main or any backup source, at all times the facility was open for services?	ALWAYS AVAILABLE (NO INTERRUPTIONS).....1 OFTEN AVAILABLE (SOME INTERRUPTIONS OF LESS THAN 2 HOURS PER DAY) .....2 SOMETIMES AVAILABLE (FREQUENT OR PROLONGED INTERRUPTIONS OF MORE THAN 2 HOURS PER DAY.....3	
		C. WATER AVAILABILITY		
38	2050	What is the ***most commonly used*** source of water for the facility ***at this time***? IF RESPONSE IS DIFFERENT FOR IN AND OUTPATIENT SERVICE AREAS, PROVIDE RESPONSE FOR INPATIENT SERVICE AREAS	PIPED INTO FACILITY.....01 PIPED ONTO FACILITY GROUNDS .....02 PUBLIC TAP/STANDPIPE .....03 BOREHOLE .....04 PROTECTED DUG WELL.....05 UNPROTECTED DUG WELL.....06 PROTECTED SPRING.....07 UNPROTECTED SPRING.....08 RAINWATER .....09 BOTTLED WATER .....10 WATER VENDOR: CART W/SMALL TANK/DRUM 11 WATER VENDOR: TANKER TRUCK.....12 SURFACE WATER (RIVER/DAM/LAKE/POND).....13 WATER PAN .....14 SAND DAM.....15 OTHER _____ .....96 (SPECIFY) DON'T KNOW.....98 NO WATER SOURCE.....00	➔2053 ➔2053 ➔7810
38	2051	Is water available from this most commonly used source on facility premises? IF YES, ASK: May I see water from this source that is available today? If the water is inside, please show me that, otherwise, show me the water on the premises.	YES, OBSERVED INSIDE THE FACILITY ..... 1 YES, OBSERVED WITHIN THE GROUND OF THE FACILITY ..... 2 YES, REPORTED, NOT SEEN..... 3 NO, OR AVAILABLE ONLY OUTSIDE THE FACILITY GROUNDS..... 4	
38	2053	During the past 7 days, was there any time when there was no water for the facility for more than two hours at a time from this most commonly used source?	YES .....1 NO.....2 DON'T KNOW.....8	➔7810

35 BUILDING/GROUNDS/EQUIPMENT MAINTENANCE AND REPAIR

35.3 ROUTINE AND PREVENTIVE MAINTENANCE FOR UTILITIES

10.4	7810	Is preventive and corrective maintenance ever carried out for any of the systems such as electrical, water, sanitation, sewerage or ventilation? By preventive and corrective maintenance, I mean the service is carried out even when there is no problem with the system.	YES ..... 1 NO 2	➔7820
10.4	7812	For each of the systems I ask about, please tell me if preventive and corrective maintenance is carried out routinely, sometimes, but not routine, or never.		

		SYSTEM	PREVENTIVE AND CORRECTIVE MAINTENANCE CARRIED OUT				
			ROUTINELY	SOMETIMES, NOT ROUTINELY	NEVER	NOT APPLICABLE	
	01	Electric system	1	2	3	5	
	02	Water system	1	2	3	5	
	03	Sanitation and sewage system(s)	1	2	3	5	
	04	Ventilation system	1	2	3	5	
	05	Medical gasses (e.g., oxygen) systems	1	2	3	5	
	06	Communications systems (loudspeakers)	1	2	3	5	
	KEN07	Firefighting systems (e.g. Fire extinguishers)	1	2	3	5	
	KEN08	Air conditioning system	1	2	3	5	
	KEN09	Internet	1	2	3	5	
	KEN10	ICT (information technology such as computers) equipment	1	2	3	5	

10.4	7820	Does this facility follow routine preventive maintenance for any of the equipment related to infrastructure? IF YES ASK FOR EACH OF THE FOLLOWING TYPES OF EQUIPMENT. IF THE FACILITY DOES NOT HAVE THE EQUIPMENT, MARK "NOT APPLICABLE".	YES ..... 1 NO 2	➔7830

	7821	TYPE OF EQUIPMENT	PREVENTIVE AND CORRECTIVE MAINTENANCE CARRIED OUT				
			ROUTINELY	SOMETIMES, NOT ROUTINELY	NEVER	NOT APPLICABLE	
	01	Generator	1	2	3	5	
	02	Solar power system	1	2	3	5	
	03	Water pump	1	2	3	5	
	04	Incinerator	1	2	3	5	
	05	Autoclave	1	2	3	5	
	06	Dry heat sterilizing equipment	1	2	3	5	

35.4 ROUTINE AND PREVENTIVE MAINTENANCE AND REPAIR FOR EQUIPMENT

A. MEDICAL EQUIPMENT

18.2	7830	Is there a schedule for inspection, testing and preventive maintenance for any medical equipment as guided by the manufacturer's recommendations? IF YES, ASK TO SEE THE SCHEDULE FOR ANY MAJOR PIECE OF EQUIPMENT.	YES, OBSERVED SCHEDULE ..... 1 YES, SCHEDULE REPORTED, NOT SEEN ..... 2 NO 3	➔7832

	KEN7831	TYPE OF EQUIPMENT	PREVENTIVE AND CORRECTIVE MAINTENANCE CARRIED OUT				
			ROUTINE-LY	SOMETIMES, NOT ROUTINELY	NEVER	NOT APPLICABLE	
	01	Oxygen equipment	1	2	3	5	
	02	X-ray machine	1	2	3	5	
	03	CAT scan	1	2	3	5	
	04	Ultrasound	1	2	3	5	
	05	Ventilators	1	2	3	5	
	06	Cold chain equipment (e.g., fridges)	1	2	3	5	

18.2	7832	Does this facility have a system for routine inspection and maintenance for small medical equipment such as stethoscopes, sphygmomanometers, and suction machines?	YES, ALL KEY EQUIPMENT ..... 1 YES, SOME EQUIPMENT ..... 2 NO 3	
	7833	Are sphygmomanometers ever recalibrated? IF YES ASK: Is recalibration for sphygmomanometers conducted routinely at least once a year?	YES. ANNUALLY ..... 1 YES, LESS OFTEN THAN ANNUALLY ..... 2 NO 3	➔7841
	KEN7833	ASK TO SEE INSPECTION STICKER FOR ANY SPHYGNOMANOMETER	OBSERVED ..... 1 NOT OBSERVED 2	

B. LABORATORY EQUIPMENT

18.2	**7841**	**Is there a contract for maintenance and/or repair for any laboratory machines?** **IF RESPONDENT IS UNCERTAIN PROBE FOR PERSON WHO WOULD KNOW RESPONSE, SUCH AS BIOMEDICAL ENGINEER.**	**YES ..... 1** **NO 2**	

	KEN7841	TYPE OF EQUIPMENT	PREVENTIVE AND CORRECTIVE MAINTENANCE CARRIED OUT				
			ROUTINELY	SOMETIMES, NOT ROUTINELY	NEVER	NOT APPLICABLE	
	01	Haemotology analyzer	1	2	3	5	
	02	Blood chemistry analyzer	1	2	3	5	

6 FACILITY VEHICLES				
	600	Does this facility have any vehicles, including ambulance, motorcycles and bicycles?	YES ..... 1 NO 2	➔2135
	601	For each type of vehicle that I ask about, please tell me how many of this type of vehicle the facility currently owns, rents, or has full-time access to. Then please tell me among these vehicles, how many are functioning today. THE NUMBER OF VEHICLES THE FACILITY HAS INCLUDES ALL VEHICLES PROVIDED TO THE FACILITY BY MANAGEMENT OR OTHER DONORS THAT SHOULD BE ON AN INVENTORY, WHETHER FUNCTIONAL OR NOT.		

		VEHICLE TYPE	(c) TOTAL REQUIRED	(A) TOTAL NUMBER AVAILABLE	(B) TOTAL FUNCTIONING
	01	Any ambulance	NONE..... 00 DON'T KNOW..... 98	NONE..... 00➔04	NONE 00➔04
	02	Ambulance for advanced patient transport equipped with intensive care equipment	NONE..... 00 DON'T KNOW..... 98	NONE..... 00➔03 DON'T KNOW 98	NONE..... 00 DON'T KNOW..... 98
	03	Ambulance for basic patients transport equipped with a stretcher, resuscitation bag and IV support	NONE..... 00 DON'T KNOW..... 98	NONE..... 00➔04 DON'T KNOW 98	NONE..... 00 DON'T KNOW..... 98
	04	Staff transportation bus/vehicle	NONE..... 00 DON'T KNOW.....	NONE..... 00➔05 DON'T KNOW 98	NONE..... 00 DON'T KNOW..... 98
	05	Other car(s)	NONE..... 00 DON'T KNOW..... 98	NONE..... 00➔06 DON'T KNOW 98	NONE..... 00 DON'T KNOW..... 98
	06	Motorcycles	NONE..... 00 DON'T KNOW.....	NONE..... 00➔07 DON'T KNOW 98	NONE..... 00 DON'T KNOW..... 98
	07	Bicycles			

			NONE..... 00 DON'T KNOW..... 98	NONE...00➔KEN08 DON'T KNOW 98	NONE..... 00 DON'T KNOW..... 98
	KEN08	Motorized boat	NONE..... 00 DON'T KNOW..... 98	NONE..... 00➔96 DON'T KNOW 98	NONE..... 00 DON'T KNOW..... 98
	96	Other _____ (SPECIFY)	NONE..... 00 DON'T KNOW..... 98	NONE..... 00➔2133 DON'T KNOW 98	NONE..... 00 DON'T KNOW..... 98

	10.3 REFERRAL & EMERGENCY TRANSPORTATION SYSTEMS			
	Now I would like to know about the facility resources and practices related to patient referral and emergency preparedness plans.			
	2133	Does this facility have access to a ***functional ambulance*** or ***other vehicle for emergency transportation*** for clients that is either stationed at this facility or that you can call for?	YES, AMBULANCE ..... 1 YES, OTHER TYPE OF VEHICLE..... 2 NO 3	➔7800
	2134	Is the emergency vehicle and a driver available 24-hours?	YES..... 1 NO ..... 2 DON'T KNOW 8	
	2135	Is the vehicle available and functional today? IF UNCERTAIN, ASK RESPONDENT TO CHECK WITH SOMEONE WHO WOULD KNOW.	YES.....1 NO 2	

	35.1 VEHICLE MAINTENANCE			
18.1	7800	Does this facility follow a routine maintenance schedule for any vehicles? By routine maintenance I mean the maintenance is carried out on a fixed schedule regardless of whether there is a problem or not.	YES, ROUTINELY ..... 1 SOMETIMES, NOT ROUTINELY ..... 2 NO..... 4 NO VEHICLES..... 3	

30 GOVERNANCE AND MANAGEMENT				
	Now I would like to ask you questions related to governance and routine systems implemented by this facility. If someone else in the facility is more familiar with the topic, please tell me so that we can arrange for me to talk with them.			
	30.1 GOVERNANCE AND MANAGEMENT SYSTEMS AND PRACTICES			
In-di-ca-tor No.	Question No.	Question	Result	Skip
16.1	7007	Does this facility have a core management team that is responsible for oversight of the day-to-day functioning of the facility? PROBE TO ENSURE THAT THE MANAGEMENT TEAM IDENTIFIED ADDRESSES DAY TO DAY MANAGEMENT ISSUES. IN SMALL FACILITIES THIS RESPONSIBILITY MAY BE FILLED BY A STAFF MEETING	YES, THEY ADDRESS DAY-TO DAY MANAGEMENT ISSUES .....1 NO, THEY DO NOT ADDRESS DAY-TO-DAY MANAGEMENT ISSUES 2	➔7030

30 GOVERNANCE AND MANAGEMENT				
	KEN7007	Is the core management team structured as per the norms and standards?	YES .....1 NO .....2 DON'T KNOW 8	
16.3	7008	Is there any routine system for including community representation for some aspects of the management team work? By routine system, I mean community participation is sought for either all or only specified meetings of the management team or community meetings are held at set intervals.	YES, ALWAYS .....1 YES, SOMETIMES .....3 NO 2	
16.1	7009	When was the most recent committee/board meeting?	WITHIN PAST 1 MONTH .....1 WITHIN PAST 2-3 MONTHS .....2 WITHIN PAST 4-6 MONTHS .....3 MORE THAN 6 MONTHS AGO .....4 DON'T KNOW 8	 ➔7030 ➔7030
16.1	7010	Are there any written notes or minutes from the most recent management committee meeting? IF YES, ASK TO SEE THE DOCUMENT	YES, OBSERVED .....1 YES, REPORTED, NOT SEEN .....2 NO 3	 ➔7030 ➔7030

16.1	7011	REVIEW NOTES/DOCUMENTS TO IDENTIFY WHICH OF THE FOLLOWING TOPICS WAS DISCUSSED DURING THE MEETING. IF NEEDED, NOTES FROM THE PRIOR 6 MONTHS MAY BE REVIEWED	ITEM DOCUMENTED		
			YES	NO	
	01	Staff issues/staff numbers	1	2	
	02	Data/HMIS/statistics based on services	1	2	
	03	Commodity supplies (pharmaceuticals, consumables) ordering/stock management issues	1	2	
	04	Finance/budget/financial management	1	2	

	30.2 FORMAL LINKAGES WITH SERVICES OUTSIDE THE FACULTY			
		A. LINKAGES TRADITIONAL, COMPLEMENTARY AND INTEGRATIVE (TCI) MEDICINE		
	7030	Does this facility have formal linkages with providers of traditional, complementary or other integrative types of medicine (TCI)? This includes traditional birth attendants. Formal linkages implies that the persons refer clients to the facility and the facility refers clients to them, when needed, and/or the facility receives information/provides training or supplies to the traditional medical persons. This may be facility wide, or service specific.	YES .....1 NO 2	
		B. COMMUNITY LINKAGES		
37	7040	Does this facility have any formal systems for linking with community health workers?	YES ..... 1 NO 2	 ➔7057
	KEN7042	How many units are linked to the facility?	☐☐☐	
	KEN7043	How many linked community units are functional? ASK TO SEE THE MOST RECENT 515 REPORT	☐☐☐	

24.1	7057	Does this facility receive any external supervision, such as from sub-county, County or national offices?	YES .....1 NO 2	 ➔7070
24.1	7058	When was the last time a supervisor from outside this facility came here on a supportive supervisory visit? Was it within the past month, the past 2-3 months, or longer than 3 months ago? DO NOT INCLUDE VISITS WHERE GUESTS WERE BROUGHT OR THAT WERE FOR SUPPLIES ONLY.	THIS MONTH .....1 WITHIN PAST 2-3 MONTHS .....2 MORE THAN 3 MONTHS AGO .....3 DON'T KNOW 8	 ➔7070 ➔7070
24.1	7060	Is there any documentation from external supervisory visits during the past 3 months? IF YES, ASK TO SEE ANY DOCUMENTATION SUCH AS A COPY OF A CHECKLIST THAT WAS PROVIDED, OR NOTES IN A VISITOR OR SUPERVISION BOOK.	YES, OBSERVED ..... 1 YES, REPORTED, NOT SEEN ..... 2 NO 3	
17	7070	At the facility level, is there a routine process for performance review based on data on facility services, outcomes, or patient feedback?	YES, OBSERVED .....1 YES, REPORTED, NOT SEEN .....3 NO DOCUMENTATION 2	 ➔8800 ➔8800

17	7071	IF YES, ASK TO SEE ANY DOCUMENTATION **THAT INDICATES REVIEW/DISCUSSION** RELEVANT TO THE TOPIC MENTIONED AND CHECK THE MOST RECENT DATE FOR WHICH THE INFORMATION IS AVAILABLE

		DATA ITEM	DOCUMENTATION OBSERVED		ROUTINE REVIEW REPORTED, NO DOCUMENTATION OBSERVED	INFORMATION NOT ROUTINELY REVIEWED	
			CURRENT WITHIN THE PAST COMPLETE REPORTING MONTH	MOST RECENT 2- 3 REPORTING MONTHS AGO			
	01	Information from routine HMIS reports (e.g., numbers of patients, numbers by diagnoses, etc.)	1	2	3	4	
17	02	Information from special reports such as quality indicators	1	2	3	4	
	KEN01	Information on mortality	1	2	3	4	
	KEN02	Information on morbidity	1	2	3	4	
	03	Information from patient surveys such as client satisfaction survey	1	2	3	4	
	04	Information from staff surveys such as employee satisfaction surveys	1	2	3	4	
	KEN04	Workload	1	2	3	4	

		DATA ITEM	DOCUMENTATION OBSERVED		ROUTINE REVIEW REPORTED, NO DOCUMENTATION OBSERVED	INFORMATION NOT ROUTINELY REVIEWED	
			CURRENT WITHIN THE PAST COMPLETE REPORTING MONTH	MOST RECENT 2- 3 REPORTING MONTHS AGO			
17	05	Any tables or reports that present immunization data	1	2	3	4	
17	06	Any tables or reports that present data other than for immunization?	1	2	3	4	
17	07	Any graphic/chart presentation of immunization data?	1	2	3	4	
17	08	Any graphic/chart presentation of data other than for immunization?	1	2	3	4	
	KEN09	HMT minutes	1	2	3	4	
17	96	Other information source routinely reviewed	1 _____ (SPECIFY)	2	3	4	

50 HEALTH FINANCING AND ACCOUNTING

50.1 BUDGET AND RESOURCES

A. ACCOUNTABILITY

23	8800	Does this facility receive an annual external audit of facility accounts?	YES ..... 1 NO 2	

B. BUDGET AND RESOURCE AVAILABILITY

		CURRENT BUDGET INFORMATION		
	8810	I would like to know information on your current budget. May I speak with the person most familiar with your current budget? (2018/19)	AGREED TO PROVIDE INFORMATION.....1 REFUSED TO PROVIDE INFORMATION .....2 FACILITY HAS NO OFFICIAL BUDGET.....3 FACILITY DOES NOT KNOW THEIR CURRENT BUDGET 8	➔8824 ➔8824 ➔8824
		QUESTION	AMOUNT	
20	8811	What is your official allocated recurrent budget for this year, excluding salaries? PROVIDE ANSWER IN KENYA SHILLINGS (2018/19)	☐☐☐☐☐☐☐ DON'T KNOW 9999998	
	KEN8811A	Does this facility have a budgeted annual work plan (AWP)? (2018/19) IF YES, ASK: May I see a copy of the budgeted work plan?	YES, OBSERVED.....1 YES, REPORTED, NOT SEEN.....2 NO 3	
	KEN8811B	What percent of the AWP budget has been received to date? (2018/19)	PERCENTAGE RECEIVED ☐☐☐ NONE.....000 DON'T KNOW 998	

		BUDGET AND FINANCIAL RESOURCES MOST RECENT COMPLETED BUDGET YEAR
		Now I want to ask you about the facility resources for the most recent completed financial or budget year.

	8824	I would like to know how much funding was received during the past completed financial year from your managing authority. If you do not have this information, please introduce me to the person who would know about funds received. (2017/18)	AGREED TO PROVIDE INFORMATION ..... 1 REFUSED TO PROVIDE INFORMATION..... 2 FACILITY DOES NOT HAVE THIS INFORMATION AVAILABLE TODAY..... 8	➔8900 ➔8900
	8825	FUNDING CATEGORY	AMOUNT	
		What percentage of your recurrent budget did you receive for the past complete financial year? (2017/18)	PERCENTAGE RECEIVED ☐☐☐ NONE .....000 DON'T KNOW.....998	

	8831	ITEMS WITH BUDGET LINES	YES	NO	NOT APPLICABLE	
	01	Grounds maintenance	1	2		
	02	Building infrastructure repair and maintenance	1	2		
	03	Preventive maintenance for infrastructure equipment such as for vehicles, generator or for infrastructure utilities such as plumbing or air conditioning	1	2		
	04	Combined budget line item(s) for building and/or grounds maintenance and/or preventive maintenance	1	2		
	05	Routine equipment maintenance and repair for medical equipment such as laboratory machines, x-ray machines, or other of this type of equipment	1	2	5	
	06	Procurement of replacement parts for laboratory equipment	1	2	5	
	07	Procurement of pharmaceutical commodities	1	2		
	08	Transportation of pharmaceutical commodities from the supplier or warehouse to the facility	1	2	5	
	09	Quality improvement activities	1	2	5	
		D. SOURCES OF FUNDING				
	8835	What percentage of patients who receive inpatient services in this facility have any type of health insurance? IF UNCERTAIN, PROBE FOR AN ESTIMATE	NONE .....1 1-25% .....2 26-50% .....3 51-75% .....4 76-99% .....5 100% .....6 NO INPATIENT SERVICES.....95			
	8836	What percentage of patients who receive outpatient services in this facility have any type of health insurance? IF UNCERTAIN, PROBE FOR AN ESTIMATE	NONE .....1 1-25% .....2 26-50% .....3 51-75% .....4 76-99% .....5 100% .....6 NO OUTPATIENT SERVICES 95			
	8837	Is there government sponsored health financing for pediatric patients?	YES .....1 NO.....2			
	8840	During the past complete financial year did this facility receive funds from any sources other than its managing authority?	YES .....1 NO.....2 DON'T KNOW.....8			 ➔8900 ➔8900
	8841	RESPONDENT AGREES TO PROVIDE INFORMATION ON FUNDING RECEIVED IN ADDITION TO THE OFFICIALLY ALLOCATED BUDGET	YES .....1 NO.....2 FACILITY DOES NOT HAVE THIS INFORMATION AVAILABLE TODAY 8			 ➔8900 ➔8900
	8842	How much funding in addition to your officially allocated budget did you receive from the following sources during the past financial year?				

		PROVIDE ANSWER IN KENYA SHILLINGS

		FUNDING SOURCE	AMOUNT	DON'T KNOW	NOT APPLICABLE
	01	MOH reimbursement		9999998	9999995
	02	Other public ministries		9999998	9999995
	03	Local government		9999998	9999995
	04	Social Insurance (mandatory insurance)		9999998	9999995
	05	Private insurance (voluntary)		9999998	9999995
	06	Community programs		9999998	9999995
	07	User fees at point of service		9999998	9999995
	08	NGOs/Faith-Based organizations		9999998	9999995
	09	Donors other than NGO/FBO		9999998	9999995
	KEN10	Conditional grants from DANIDA		9999998	9999995
	KEN11	Conditional grants from Linda Mama		9999998	9999995
	KEN12	National Hospital Insurance Fund (NHIF)		9999998	9999995
	KEN13	Conditional grants		9999998	9999995

50.3 CHARGING AND COSTS FOR SERVICES

A. CHARGES FOR PRIMARY HEALTH CARE SERVICES

8900 Please tell me if this facility charges patients for any of the following services.
IF YES ASK: What is the average charge per patient?

		(a) CHARGES FOR THIS SERVICE			(b)
	SRVICE SPECIFIC CHARGES	YES	NO	NOT APPLICABLE	Average charge/cost per patient in local currency
01	Outpatient consultation services for children over 5 years	1➔b	2➔02	5➔02	
02	Outpatient consultation services for children under 5 years	1➔b	2➔03	5➔03	
03	Any routine child immunizations	1➔b	2➔04	5➔05	
05	Pills or injections	1➔b	2➔06	5➔06	
06	Implant	1➔b	2➔07	5➔07	
07	IUD insertion	1➔b	2➔08	5➔08	
08	HIV diagnostic tests	1➔b	2➔09	5➔09	
09	Malaria rapid diagnostic test	1➔b	2➔KEN10	5➔KEN10	
KEN10	Tuberculosis diagnostic test	1➔b	2➔KEN11	5➔KEN11	

	KEN11	Chest x-ray for under 5 child	1➔b	2➔KEN12	5➔KEN12	
	KEN12	Hypertension screening	1➔b	2➔KEN13	5➔KEN13	
	KEN13	Diabetes screening	1➔b	2➔8911	5➔8911	

		B. ACCOUNTABILITY AND PRACTICES RELATED TO FUNDS RECEIVED BY FACILITY		
		USER FEES		
21	8911	Does this facility charge user fees for any outpatient services?	YES .....1 NO.....2	 ➔8913
21	8912	Are the user fees for outpatient services posted anywhere so that patients can see them? IF YES, ASK: Please show me anywhere fees for outpatients are posted	YES, OBSERVED.....1 YES, REPORTED, NOT SEEN.....2 NO.....3	
	8913	Does this facility charge user fees for any inpatient services?	YES .....1 NO.....2 NO INPATIENT SERVICES 3	 ➔2153 ➔2153
	8914	Are the user fees for inpatient services posted anywhere so that patients can see them? IF YES, ASK: Please show me anywhere fees for inpatients are posted	YES, OBSERVED.....1 YES, REPORTED, NOT SEEN.....2 NO.....3	
	8915	Is there a written policy or guidelines for exemptions or discounts for any user fees? IF YES, ASK TO SEE THE DOCUMENT.	YES, OBSERVED.....1 YES, REPORTED, NOT SEEN.....2 NO.....3	

	10.4 DISASTER PLANNING, FACILITY SAFETY, & SECURITY				
Now I would like to know about the facility resources and practices related to emergency preparedness plans.					
	2153	Does this facility have a specific written emergency response plan for outbreaks? THIS MAY BE A PART OF A COMPREHENSIVE EMERGENCY RESPONSE PLAN. IF YES, ASK TO SEE THE EMERGENCY RESPONSE PLAN	YES. OBSERVED ..... 1 YES, REPORTED, NOT SEEN ..... 2 NO 3		
	2158	Does this facility have a written strategy for meeting increased staffing needs for emergency situations? IF YES, ASK TO SEE THE WRITTEN STRATEGY	YES. OBSERVED ..... 1 YES, REPORTED, NOT SEEN ..... 2 NO 3		➔9510
	2159	Are any of the following part of a planned strategy to meet increased staffing needs for emergency situations?	YES	NO	
	01	County will temporarily transfer staff	1	2	
	02	Budget for temporary hire of retired/private professionals and support staff	1	2	
	03	Recall staff from planned absences (e.g., vacation, training)	1	2	
	04	Budget for paying staff for overtime	1	2	
	05	Request volunteers from the community	1	2	
	06	Other _____ (SPECIFY)	1	2	
52.2	9514	When was the most recent drill or in-service education for staff on how to follow the emergency response plan for outbreaks(s)?	WITHIN PAST 6 MONTHS ..... 1 WITHIN PAST 7-12 MONTHS ..... 2 WITHIN PAST 13-24 MONTHS ..... 3 MORE THAN 24 MONTHS ..... 4 NEVER ..... 5 DON'T KNOW 8		

60.3 EMERGENCY RESPONSE SYSTEMS					
	9510	Does this facility have any written disaster or facility safety plans? These might include fire, epidemics, or events with large numbers of trauma victims.	YES ..... 1 NO 2		➔7201
		Now I want to ask you about facility safety and securing plans and practices.			
	9511	Does this facility have a written fire safety plan? IF YES, ASK TO SEE DOCUMENTATION	YES, DOCUMENTATION OBSERVED ..... 1 YES, DOCUMENTATION REPORTED, NOT SEEN 2 NO 3		➔9515
	9512	When was the most recent drill or in-service education for staff to practice following the fire safety plan?	WITHIN PAST 6 MONTHS ..... 1 WITHIN PAST 7-12 MONTHS ..... 2 WITHIN PAST 13-24 MONTHS ..... 3 MORE THAN 24 MONTHS ..... 4 NEVER ..... 5 DON'T KNOW 8		
	9515	Other than for fire or outbreaks does this facility have a written emergency response plan for any other emergencies?	YES ..... 1 NO 2		➔7201
	9516	Which type of other emergency response has a written plan? THE TOPIC MAY BE COVERED IN ONE COMPREHENSIVE EMERGENCY RESPONSE PLAN, OR IN SEPARATE EMERGENCY RESPONSE PLANS.	YES	NO	
	01	Natural disasters such as earthquakes or floods	1	2	
	02	Non-natural disasters—war	1	2	
	06	Other_____ (SPECIFY)	1	2	

26	9517	When was the most recent drill or in-service education for other natural or non-natural disasters with massive casualties?	WITHIN PAST 6 MONTHS ..... 1 WITHIN PAST 7-12 MONTHS ..... 2 WITHIN PAST 13-24 MONTHS ..... 3 MORE THAN 24 MONTHS ..... 4 NEVER ..... 5 DON'T KNOW 8	

	B. MONITORING AND REINFORCING THE CORE COMPONENTS OF INFECTION PREVENTION AND CONTROL (IPC)					
62	Now I want to ask questions about facility managerial practices for infection prevention and control. If there is another person who is more familiar with these practices please call them so we receive the most accurate information.					
Indicator No.	Question No.	Question	Result			Skip
62	7201	Does this facility have Infection Prevention and Control guidelines? IF YES, ASK TO SEE THE GUIDELINES	YES, OBSERVED ..... 1 REPORTED, NOT SEEN ..... 2 NO 3			
62	7202	Now I will ask a few questions to clarify the infection prevention and control structure for this facility. For each item I ask for, please tell me if this is applicable in this facility.	YES	NO	DON'T KNOW	
	01	Technical IPC committee	1	2	8	
	02	Dedicated (full-time) IPC staff	1	2	8	
	03	Multidisciplinary meetings where IPC results are reported/reviewed	1	2	8	
	7203	How many persons in the facility are specifically assigned to IPC monitoring activities either full or part time? SPECIFY WHETHER THE STAFF IPC RESPONSIBILITIES ARE A FULL-TIME OR PART-TIME RESPONSIBILITY.	FULL TIME IPC ..... ☐☐ PART TIME IPC ..... ☐☐ NONE 00			➔7220
	7210	Have any of the persons responsible for infection prevention and control (IPC) been trained in a certified infection prevention and control course? IF YES, CLARIFY IF ALL STAFF WITH SPECIFIC IPC RESPONSIBILITIES ONLY SOME ARE IPC CERTIFIED. IF RESPONDENT IS UNCERTAIN ASK TO CALL SOMEONE WHO WOULD KNOW.	YES, ALL ..... 1 YES, SOME ..... 2 NO 3			
	7211	What is the qualification of the person responsible for infection prevention or control? This may be the committee chair or the person assigned for infection prevention or control.	DOCTOR ..... 1 CLINICAL OFFICER ..... 2 NURSING/MIDWIFERY STAFF ..... 3 PUBLIC HEALTH QUALIFICATION ..... 4 LABORATORY QUALIFICATION ..... 5 OTHER _____ 6			
	KEN7211	How frequently are there meetings to review IPC issues?	MONTHLY ..... 1 QUARTERLY ..... 2 LESS OFTEN THAN QUARTERLY ..... 3 NO SET FREQUENCY 4			
62	7212	When was the most recent meeting of the infection prevention or infection control committee or with the person responsible for infection prevention and control? This might be a technical IP meeting or an interdisciplinary meeting where IPC findings were discussed	WITHIN PAST 1 MONTH ..... 1 1-3 MONTHS AGO ..... 2 4-6 MONTHS AGO ..... 3 MORE THAN 6 MONTHS AGO ..... 4 DON'T KNOW 98			➔7220
	7213	Are there any minutes or notes on the meeting, or a report of IPC findings? IF YES, ASK TO SEE DOCUMENTATION FROM THE MOST RECENT MEETING OR REPORT.	YES, OBSERVED ..... 1 REPORTED, NOT SEEN ..... 2 NO 3			

	B. MONITORING AND REINFORCING THE CORE COMPONENTS OF INFECTION PREVENTION AND CONTROL (IPC)				
	7220	Does this facility have guidelines or protocols for cleaning the facility such as the floors, counters, and beds? IF YES, ASK TO SEE THE GUIDELINES	YES, OBSERVED ..... 1 REPORTED, NOT SEEN ..... 2 NO 3		➔9520
	7221	DO THE GUIDELINES COVER ANY OF THE FOLLOWING PRACTICES?	YES	NO	
	01	Step-by-step techniques for specific tasks, such as cleaning a floor, cleaning a sink, cleaning a spillage of blood or body fluids.	1	2	
	02	Cleaning roster or schedule specifying responsibility for cleaning tasks and frequency at which they should be performed.	1	2	
	03	Cleaning roster or schedule specifying cleaning tasks and frequency at which they should be performed.	1	2	
	7221B	Indicate which of the following cleaning tasks are specifically addressed in the protocols	1	2	
	01	Cleaning floors (frequency and process)	1	2	
	02	Cleaning beds (frequency and process)	1	2	
	03	Cleaning counters/tables (frequency and process)	1	2	
	04	Cleaning toilets (frequency and process)	1	2	
	7222	Have all staff responsible for cleaning received training?	YES, ALL HAVE BEEN TRAINED ..... 1 NO, SOME BUT NOT ALL HAVE BEEN TRAINED ..... 2 NO, NONE HAVE BEEN TRAINED 3		

	60.4 MONITORING AND REINFORCING THE CORE COMPONENTS OF INFECTION PREVENTION AND CONTROL (IPC)					
	9520	Does this facility implement a systematic process for assessing infection prevention and control adherence with the Infection prevention and control (IPC) guidelines?	YES ..... 1 NO 2			➔9524
	9521	What guideline is used for the assessment? ASK TO SEE DOCUMENTATION OF THE GUIDELINE.	YES, OBSERVED	REPORTED, NOT SEEN	NOT USED	
	01	The WHO Infection Prevention and Control Assessment Framework (IPCAF)	1	2	3	
	02	MOH IPC guidelines 2015	1	2	3	
	06	OTHER _____ (SPECIFY)	1	2	3	
	9522	When was the most recent IPC assessment?	a) MONTH ☐☐ DON'T KNOW ..... 98 b) YEAR ☐☐☐☐ DON'T KNOW 9998			
	KEN9522	ASK TO SEE DOCUMENTATION OF THE RESULTS OF THE MOST RECENT IPC ASSESSMENT	YES, DOCUMENTATION OBSERVED ..... 1 YES, DOCUMENTATION REPORTED, NOT SEEN ..... 2 NO 3			

60.4 MONITORING AND REINFORCING THE CORE COMPONENTS OF INFECTION PREVENTION AND CONTROL (IPC)						
	9523	What was the interpretation of the most recent score?	INADEQUATE ..... 1 BASIC ..... 2 INTERMEDIATE ..... 3 ADVANCED ..... 4 OTHER_____ ..... 6 (SPECIFY) DON'T KNOW 8			
	9524	Does this facility implement a systematic process for monitoring Hand Hygiene promotion and practices such as outlined in the IPC guideline?	YES ..... 1 NO 2			➔2075
	9525	What is the framework for the hand hygiene assessment? ASK TO SEE DOCUMENTATION OF THE FRAMEWORK THAT IS USED.	YES, OBSERVED	REPORTED, NOT SEEN	NOT USED	
	01	The WHO Hand Hygiene and Safety Assessment Framework (HHSAF)	1	2	3	
	02	MOH IPC guidelines 2015	1	2	3	
	06	OTHER _____ (SPECIFY)	1	2	3	
	9526	When was the most recent hand hygiene promotion and practices assessment?	a) MONTH ☐☐ DON'T KNOW ..... 98 b) YEAR ☐☐☐☐ DON'T KNOW 9998			
	9527	What was the interpretation of the most recent score?	INADEQUATE ..... 1 BASIC ..... 2 INTERMEDIATE ..... 3 ADVANCED ..... 4 DON'T KNOW 8			

	10.2 CONDITIONS FOR INFECTION PREVENTION AND CONTROL	
	A. HEALTH CARE WASTE MANAGEMENT	
39	2075	Now I would like to ask you a few questions about waste management practices for sharps waste, such as needles or blades.

		What is the most common method used by this facility for ***final*** disposal of sharps waste (e.g., filled sharps boxes)? PROBE TO ARRIVE AT CORRECT RESPONSE. NOTE: IF ANY OF THE RESPONSES 2-9 TAKE PLACE OUTSIDE THE FACILITY, THEN THE CORRECT RESPONSE TO CIRCLE WILL BE IN THE CATEGORY OF "REMOVE OFFSITE".	**BURN INCINERATOR** 2-chamber industrial (800-1000+° C) ... 2 1-chamber drum/brick ..... 3 **OPEN BURNING** Pit or flat ground - no protection ..... 4 Pit or flat ground--protected ..... 5 **DUMP WITHOUT BURNING** Flat ground - no protection ..... 6 Covered pit or pit latrine ..... 7 Open-pit - no protection ..... 8 Protected ground or pit ..... 9 **REMOVE OFFSITE** Stored in covered container ..... 10 Stored in other protected environment ..... 11 Stored unprotected ..... 12 Other _____ ..... 96 (SPECIFY) NEVER HAS SHARP WASTE 95	
39.1	9549	ASK TO SEE THE PLACE USED BY THE FACILITY FOR DISPOSAL OF SHARPS WASTE AND INDICATE THE CONDITION OBSERVED. IF SHARPS WASTE IS DISPOSED OFFSITE, OBSERVE THE SITE WHERE WASTE IS STORED PRIOR TO COLLECTION FOR OFFSITE DISPOSAL.	NO WASTE VISIBLE.....1 WASTE VISIBLE BUT PROTECTED AREA.....2 WASTE VISIBLE, NOT PROTECTED .....3 WASTE SITE NOT INSPECTED 4	
39	2076	What is the most common method used by this facility for ***final*** disposal of medical waste other than sharps, such as used bandages. PROBE TO ARRIVE AT CORRECT RESPONSE. NOTE: IF ANY OF THE RESPONSES 2-9 TAKE PLACE OUTSIDE THE FACILITY, THEN THE CORRECT RESPONSE TO CIRCLE WILL BE IN THE CATEGORY OF "REMOVE OFFSITE".	Same as for sharp items ..... 1 **BURN INCINERATOR** 2-chamber industrial (800-1000+° C) ... 2 1-chamber drum/brick ..... 3 **OPEN BURNING** Pit or flat ground - no protection ..... 4 Pit or protected ground ..... 5 **DUMP WITHOUT BURNING** Flat ground - no protection ..... 6 Covered pit or pit latrine ..... 7 Open-pit - no protection ..... 8 Protected ground or pit ..... 9 **REMOVE OFFSITE** Stored in covered container ..... 10 Stored in other protected environment ..... 11 Stored unprotected ..... 12 Other _____ ..... 96 (SPECIFY) NEVER HAS MEDICAL WASTE 95	
39.1	9551	ASK TO SEE THE PLACE USED BY THE FACILITY FOR DISPOSAL OF MEDICAL WASTE AND INDICATE THE CONDITION OBSERVED. IF MEDICAL WASTE IS DISPOSED OFFSITE, OBSERVE THE SITE WHERE WASTE IS STORED PRIOR TO COLLECTION FOR OFFSITE DISPOSAL.	NO WASTE VISIBLE.....1 WASTE VISIBLE BUT PROTECTED AREA.....2 WASTE VISIBLE, NOT PROTECTED .....3 WASTE SITE NOT INSPECTED 4	

39	2077	IS AN INCINERATOR USED FOR FINAL DISPOSAL OF SHARPS OR MEDICAL WASTE?	YES ..... 1 NO 2	 ➔K2080
39	2078	Is the incinerator functional today?	YES ..... 1 NO ..... 2 DON'T KNOW 8	 ➔ K2080 ➔ K2080
39	2079	Is fuel for the incinerator available today?	YES ..... 1 YES, INCINERATOR IS ELECTRIC ..... 2 NO ..... 3 DON'T KNOW 8	
39	KEN2080	What is the most common method used by this facility for ***final*** disposal of placentas? PROBE TO ARRIVE AT CORRECT RESPONSE. NOTE: IF ANY OF THE RESPONSES 2-9 TAKE PLACE OUTSIDE THE FACILITY, THEN THE CORRECT RESPONSE TO CIRCLE WILL BE IN THE CATEGORY OF "REMOVE OFFSITE".	Same as for medical waste ..... 1 **BURN INCINERATOR** 2-chamber industrial (800-1000+° C) ..... 2 1-chamber drum/brick ..... 3 **OPEN BURNING** Flat ground - no protection ..... 4 Pit or protected ground ..... 5 **DUMP WITHOUT BURNING** Flat ground - no protection ..... 6 Covered pit or pit latrine ..... 7 Open-pit - no protection ..... 8 Protected ground or pit ..... 9 **REMOVE OFFSITE** Stored in covered container ..... 10 Stored in other protected environment ..... 11 Stored unprotected ..... 12 Placenta pit ..... 13 Other _____ (SPECIFY) ..... 96 NEVER HAS PLACENTA WASTE 95	

		B. CENTRAL REPROCESSING OF REUSABLE MEDICAL EQUIPMENT		
39 **81.1**	2100	Where is the the CSSD (central sterile services **department)** for reprocessing reusable medical equipment for this facility located? ASK TO GO TO THE MAIN LOCATION WHERE EQUIPMENT IS FINALLY PROCESSED FOR REUSE. IF THE SITE IS IN SURGERY OR OUTPATIENT SERVICE AREA IT WILL BE ASSESSED THERE	MAIN SITE IS SURGICAL UNIT .....1 MAIN SITE IS IN OUTPATIENT SERVICE UNIT .....2 MAIN SITE IS CENTRAL, AND NOT AFFILIATED WITH A PARTICULAR SERVICE/UNIT .....3 EQUIPMENT PROCESSED OUTSIDE FACILITY4 MAIN SITE IS AFFILIATED WITH A DIFFERENT UNIT .....6 (SPECIFY LOCATION AND GO THERE TO ASSESS EQUIPMENT) NO EQUIPMENT PROCESSED FOR REUSE 5	→7170
39	2110	Now I would like to know about items for sterilizing or high-level disinfecting equipment. For each item I ask about, please tell me if it is available, and show me the item. Where relevant, also please tell me if the item is functioning today.		

		ITEM	A) AVAILABLE			B) FUNCTIONING		
			OBSERVED	REPORTED NOT SEEN	NOT AVAILABLE	YES	NO	DON'T KNOW
	01	Electric autoclave (pressure and wet heat)	1 → b	2 → b	3→02	1→7170	2	8
	02	Non-electric autoclave (pressure and wet heat)	1 → b	2 → b	3→03	1→06	2	8
	03	Electric dry heat sterilizer	1 → b	2 → b	3→06	1→7170	2	8
	06	Heat source for non-electric equipment	1 → b	2 → b	3→ 2133	1	2	8

32 MONITORING AND IMPLEMENTING QUALITY IMPROVEMENT

Now I would like to talk with the person most familiar with activities related to quality improvement and quality assurance for this facility.

Indicator No.	Question No.	Question	Result	Skip
27.2	7170	Does this facility routinely carry out quality assurance activities for any service areas? By this I mean some formal review system or comparison of work or systems to a standard?	YES ..... 1 NO 2	➔9501
27.2	7171	Is this system implemented throughout the facility or only in specific services?	THROUGHOUT FACILITY ..... 1 ONLY SPECIFIC SERVICES 2	
27.2	7172	Does this facility have a quality assurance committee?	YES ..... 1 NO 2	➔9501
	KEN7172	How frequently does the quality assurance committee meet?	MONTHLY ..... 1 QUARTERLY ..... 2 BIANNUALLY 3	
27.2	7173	When was the most recent time the quality assurance committee met?	WITHIN PAST 1 MONTH ..... 1 2-3 MONTHS AGO ..... 2 4-6 MONTHS AGO ..... 3 MORE THAN 6 MONTHS AGO ..... 4 DON'T KNOW 8	➔9501
27.2	7174	Is there any documentation that shows quality assurance information being reviewed? IF YES, ASK: May I see the documentation?	YES, DOCUMENTATION OBSERVED ..... 1 YES, DOCUMENTATION REPORTED, NOT SEEN ..... 2 NO 3	
27.2	9501	Does this facility practice any quality improvement activities for any service areas or practice any other type of continuous quality improvement? IF YES, ASK IF ANY OF THESE PRACTICES ARE IMPLEMENTED ACROSS THE FACILITY OR IF THE PRACTICES ARE SERVICE SPECIFIC	YES, SERVICE SPECIFIC ..... 1 YES, ACROSS FACILITY ..... 2 NO 3	➔9498
	KEN9501	Is there any ongoing quality improvement project using Plan-Do-Check-Study-Act (PDSA) approach in this facility	YES, SERVICE SPECIFIC ..... 1 YES, ACROSS FACILITY ..... 2 NO 3	
	KEN7175	Other than a quality assurance committee, which other types of quality improvement systems function in this facility	YES / NO	
	01	Quality improvement team that is multi-disciplinary	1 / 2	
	02	Work improvement teams (WITs) that are departmental specific	1 / 2	
	06	Other_____ (SPECIFY)	1 / 2	
27.2	9502	Is there any documentation that shows improvement was achieved as a result of actions on the quality improvement process?	YES, DOCUMENTATION OBSERVED ..... YES, DOCUMENTATION REPORTED, NOT SEEN ..... NO	27.2
	9503	ASK FOR AN EXAMPLE OF A QUALITY IMPROVEMENT FINDING BEING ACTED ON AND RESULTING IMPROVEMENT BEING ACHIEVED.	_____ (SPECIFY) APPROPRIATE EXAMPLE PROVIDED ..... NO APPROPRIATE EXAMPLE PROVIDED	

60 CROSS-CUTTING PRACTICES TO SUPPORT QUALITY									
60.1 EXTERNAL ASSESSMENTS AGAINST STANDARDS									
32	9498	Does this facility participate in any periodic external assessment of conditions in the facility against standards, where a resulting score or status is provided? This might be accreditation or certification, or some other indication of the result of the assessment	YES.....1 NO.....2						➔9700
50	9499	Which of the following external processes are used for certifying the facility or a specific service for meeting standards? IF RESPONDENT DOES NOT KNOW, ASK TO CALL SOMEONE WHO WILL KNOW	a CERTIFICATION STATUS			b PROCESS APPLIED			
			CURRENTLY CERTIFIED	PROCESS USED, BUT NOT CURRENTLY CERTIFIED	PROCESS NOT USED	FACILITY WIDE	SERVICE SPECIFIC		
	01	ACCREDITATION	1	2	3➔02	1	2		
	02	LICENSED OR REGISTERED WITH GOVERNMENT AUTHORITY	1	2	3➔03	1	2		
	03	Kenya Quality Model for Health (KQMH)	1	2	3➔04	1	2		
	04	Joint Inspection Checklist	1	2	3➔6	1	2		
	05	OTHER e.g ISO _____ (SPECIFY)	1	2	3➔9500	1	2		
50	9500	When was the most recent Kenya Quality Model for Health (KIMHI) assessment completed? IF RESPONDENT IS UNCERTAIN OF MONTH, BUT KNOWS YEAR, PROBE FOR A BEST ESTIMATE.	☐☐ ☐☐☐☐ a) MONTH DON'T KNOW.....98 b) YEAR DON'T KNOW.....9998						

62 INDICATORS AND PROCESSES FOR MONITORING QUALITY OF CARE				
	62.1 SYSTEM TO ELICIT CLIENT OPINION			
25	9700	Does this facility have any system for determining clients' opinions or receiving feedback about the health facility or its services?	YES.....1 NO.....2	➔9710
25	9701	Is there a routine procedure for reviewing or reporting on clients' opinions? IF YES, ASK TO SEE ANY NOTES OR REPORTS THAT RELATE TO CLIENT OPINION	YES, DOCUMENTATION OBSERVED.....1 YES, NO DOCUMENTATION OBSERVED.....2 NO.....3	

	62.2 CANCER service INDICATORS		
		A. RESULTS OF SCREENING FOR CERVICAL CANCER	
Now I would like to know about the facility indicators and processes for monitoring quality of care.			

	9710	Does this facility perform PAP smears and get results back? IF YES, CLARIFY WHERE PAP SMEAR IS READ	YES, SMEAR READ IN FACILITY ..... 1 YES, SMEAR READ OUTSIDE FACILITY..... 2 NO 3	3 -> SKIP Q9711-9713
	KEN9710	Does this facility perform VIA/VILLI and get results back? IF YES, CLARIFY WHERE VIA/VILLI IS READ	YES, VIA/VILLI READ IN FACILITY ..... 1 YES, VIA/VILLI READ OUTSIDE FACILITY..... 2 NO 3	3 -> SKIP QKEN9711-KEN9713
		ASK TO SPEAK WITH THE MOST KNOWLEDGEABLE PERSON ABOUT THE CERVICAL CANCER DIAGNOSTIC SERVICES.		
148.1	9711	What is the PAP smear positivity rate?	☐☐☐ DON'T KNOW 998	
148.1	9712	During the past 12 completed months, how many PAP smears were conducted with results recorded?	☐☐☐ DON'T KNOW 998	
148.1	9713	How many of these PAP smears were positive?	☐☐☐ DON'T KNOW 998	
	KEN9711	What is the VIA/VILLI positivity rate?	☐☐☐ DON'T KNOW 998	
	KEN9712	During the past 12 completed months, how many VIA/VILLI were conducted with results recorded?	☐☐☐ DON'T KNOW 998	
	KEN9713	How many of these VIA/VILLI were positive?	☐☐☐ DON'T KNOW 998	
		B. QUALITY OF CARE INDICATORS FOR PATIENTS UNDER CANCER TREATMENT		
	9720	Does this facility provide cancer treatment services?	YES..... 1 NO 2	➔9725
	9721	Does this facility monitor any indicators for quality of cancer services?	YES..... 1 NO..... 2	➔9725

	9722	For each of the indicators I mention, please tell me if the facility monitors this, and if applicable, show the rate for the most recent reporting year. GO TO THE BEST LOCATION FOR COLLECTING THE INDICATED INFORMATION	(a) INDICATOR MONITORED YES	(a) INDICATOR MONITORED NO	(b) Number of patients diagnosed in the past 12 months	(c) Number of patients diagnosed in the past 12 months who died		
148.3	01	MORTALITY FOR PATIENTS UNDER TREATMENT FOR BREAST CANCER	1➔b	2 ↵ 02	☐☐☐ DON'T KNOW .....998➔02	☐☐☐		
148.3	02	MORTALITY FOR PATIENTS UNDER TREATMENT FOR CERVICAL CANCER	1➔b	2 ↵ 02	☐☐☐ DON'T KNOW .....998➔03	☐☐☐		
148.3	03	MORTALITY FOR PATIENTS UNDER TREATMENT FOR PROSTRATE CANCER	1➔b	2 ↵ END	☐☐☐ DON'T KNOW .....998➔9725	☐☐☐		

		C. QUALITY OF CARE INDICATORS FOR IMMUNIZATION SERVICES		
	9725	Does this facility monitor any indicators for quality of immunization services?	YES.....1 NO.....2	➔9730
	9726	Does the facility have guidelines for reporting adverse events that occur after immunization (Adverse Events Following Immunization (AEFI) to any authority? IF YES, ASK TO SEE THE GUIDELINES	YES, OBSERVED .....1 YES, REPORTED, NOT SEEN .....2 NO 3	
	9727	Has this facility reported and AEFI in the past 12 months? IF YES, ASK TO SEE A REPORT	YES, OBSERVED .....1 YES, REPORTED, NOT SEEN .....2 NO 3	
	9728	Does this facility report vaccine preventable diseases to any authority? IF YES, CLARIFY IF THIS IS ONLY INCLUDED IN ROUTINE HMIS REPORTS OR IF THIS IS A SPECIAL HMIS REPORT.	YES, ROUTINE HMIS REPORT ONLY.....1 YES SPECIAL HMIS REPORT .....2 NO 3	

63 SYSTEMS AND INDICATORS FOR MONITORING QUALITY OF INPATIENT CARE				
	9730	Does this facility have inpatient services?	YES ..... 1 NO..... 2	➔9630
	63.1 CASE REVIEWS			
	9731	Now I would like to know about any patient case reviews or reviews of deaths for patients in this facility. If someone else in the facility is more familiar with the topic, please tell me so that we can arrange for me to talk with them.		
52		Does this facility routinely carry out formal case reviews for patients who have not died, where individual patient management is reviewed for quality and potential for improved case management?	YES..... 1 NO 2	➔9734
	9732	How frequently are formal case reviews carried out?	AT LEAST WEEKLY..... 1 AT LEAST MONTHLY ..... 2 AT LEAST QUARTERLY ..... 3 NO SPECIFIED TIMING..... 4	
	9733	During the previous 3 complete months was there any case management review for a pediatric case, that is for a child under 5 years of age?	YES..... 1 NO 2	
53	9734	Does this facility conduct death reviews for some proportion of deaths?	YES..... 1 NO ..... 2 NEVER HAD A DEATH 3	➔9740 ➔9740
	9735	Are the results of the death reviews recorded?	YES..... 1 NO 2	
	9736	Do these reviews routinely include pediatric patients who are below 5 years of age if there is a death?	YES..... 1 NO ..... 2 NEVER HAD PAEDIATRIC DEATH 3	
	63.2 SYSTEMS FOR MONITORING ADVERSE EVENTS			
34.8	9740	Does this facility have a system for identifying and monitoring adverse events, such as patient falls or infections?	YES..... 1 NO 2	➔9630

	9741	I would like to see written guidelines for how monitoring of adverse events is to be conducted. Please show me any documentation related to each of the items I mention.	YES, DOCUMENTATION OBSERVED	YES, DOCUMENTATION REPORTED, NOT SEEN	NO DOCUMENTATION	
34.8	01	Which events are considered adverse and required to be reported	1	2	3	
34.8	02	When and how to submit reports of adverse events	1	2	3	
34.8	03	Who is responsible for submitting reports of adverse events	1	2	3	
34.8	04	Review process for compiled reports on adverse events that includes recommendations for actions to address problems	1	2	3	
34.8	05	Notes or reports that show evidence of review and plan of action for the reports about adverse events.	1	2	3	
34	9742	Are Health Care Associated Infections (HCAI)—often referred to as nosocomial infections reportable adverse events?		YES ..... 1 NO..... 2		➔9630

34	9743	Are there written guidelines that define nosocomial infections and the process for reporting them? IF YES ASK: May I see the guidelines?	YES, OBSERVED ..... 1 YES, REPORTED, NOT SEEN ..... 2 NO 3	
34	9744	Is there any report or record that shows nosocomial infections reported over the past 6 months? THIS MAY BE A SEPARATE RECORD OR MAY BE INCLUDED IN REPORTS WITH OTHER ADVERSE EVENTS. IF YES, ASK: May I see the records?	YES, OBSERVED ..... 1 YES, REPORTED, NOT SEEN ..... 2 NO 3	
	9745	Is a system in place for monitoring of Health Care Associated Infections (HCAI) (nosocomial infections) in high risk-settings such as intensive care and neonatal care units?	YES ..... 1 NO 2	

		Drug use problems			
	9630	Are there written policies and procedures for identifying and managing drug-use problems, including: monitoring adverse drug reactions, prescription monitoring and drug utilization? IF YES ASK: May I see any written instructions for reporting on adverse reactions or pharmacovigilance (PV) guidelines?	YES, OBSERVED ..... 1 YES, REPORTED, NOT SEEN ..... 2 NO 3		
	9631	Which of the following drug use problems are monitored in this facility?	YES	NO	
	01	Adverse drug reactions	1	2	
	02	Prescription practices for specific types of drugs such as pain medicine or antibiotics?	1	2	
	03	General prescription practices, such as numbers and combinations of drugs prescribed?	1	2	
	04	Drug utilization, such as comparing drug use to types of patients being treated?	1	2	
	96	Other _____ (SPECIFY)	1	2	

64 SYSTEMS AND INDICATORS FOR MONITORING QUALITY OF CARE FOR SURGICAL SERVICES				
	9800	Does the facility have inpatient surgical services?	YES ..... 1 NO 2	 ➔9900
		64.1 CASE REVIEWS		
	9801	How often does the hospital hold a mortality and morbidity review meetings related to surgery?	AT LEAST WEEKLY ..... 1 AT LEAST MONTHLY ..... 2 AT LEAST QUARTERLY ..... 3 NO SPECIFIED TIMING ..... 4 NONE CONDUCTED 5	 ➔9810
	9802	Are the results of the mortality or morbidity review meeting related to surgery recorded? IF YES, ASK: May I see a copy of the most recent documentation of this conference?	YES, OBSERVED ..... 1 REPORTED, NOT SEEN ..... 2 NO 3	 ➔9804 ➔9804
	9803	When was the most recent mortality and morbidity review meetings related to surgery for which documentation was observed?	WITHIN PAST WEEK ..... 1 WITHIN PAST MONTH ..... 2 WITHIN PAST 3 MONTHS ..... 3 MORE THAN 3 MONTHS AGO 4	
	9804	How often does the hospital hold a mortality and morbidity review meetings related to children's surgery?	AT LEAST WEEKLY ..... 1 AT LEAST MONTHLY ..... 2 AT LEAST QUARTERLY ..... 3 NO SPECIFIED TIMING ..... 4 NONE CONDUCTED ..... 5 NO PAEDIATRIC SURGERY 6	 ➔9810 ➔9810
	9805	Are the results of the mortality or morbidity review meetings related to children's surgery recorded? IF YES, ASK: May I see a copy of the most recent documentation of this conference where children's surgery was discussed?	YES, OBSERVED ..... 1 REPORTED, NOT SEEN ..... 2 NO 3	 ➔9810 ➔9810
	9806	When was the most recent mortality and morbidity review meetings related to children's surgery for which documentation was observed?	WITHIN PAST WEEK ..... 1 WITHIN PAST MONTH ..... 2 WITHIN PAST 3 MONTHS ..... 3 MORE THAN 3 MONTHS AGO	

		64.2 SYSTEMS FOR MONITORING SURGICAL ADVERSE EVENTS				
49 313	9810	Does this facility have a system for identifying and monitoring adverse events related to surgery, such as infections and deaths?	YES ..... 1 NO 2			 ➔9910
313	9811	Are there any written guidelines or instructions for reporting on adverse events related to surgery? IF YES, ASK TO SEE THE DOCUMENT	YES, OBSERVED ..... 1 YES, REPORTED, NOT SEEN ..... 2 NO ..... 3 DON'T KNOW 8			 ➔9813 ➔9813 ➔9813
	9812	ASK THE RESPONDENT TO SHOW WHERE IN THE DOCUMENT THE FOLLOWING INFORMATION DESCRIBED	YES, DOCUMENTATION OBSERVED	YES, DOCUMENTATION REPORTED, NOT SEEN	NO DOCUMENTATION	
313	01	Which events are considered adverse and required to be reported	1	2	3	
313	02	Who is responsible for submitting reports of adverse events	1	2	3	
313	03	When and how to submit reports of adverse events	1	2	3	
313	04	Review process for compiled reports on adverse events that includes recommendations for actions to address problems	1	2	3	
313	05	Notes or reports that show evidence of review and plan of action for the reports	1	2	3	

34.8	9813	Does this facility have a system for identifying and monitoring post-operative infections?	YES ..... 1 NO 2	→9910

			YES, DOCUMENTATION OBSERVED	YES, DOCUMENTATION REPORTED, NOT SEEN	NO DOCUMENTATION	
	9814	I would like to see written guidelines for how monitoring of adverse events <u>including postoperative infections</u> is to be conducted. Please show me any documentation related to each of the items I mention.				
34.8	01	Definition of postoperative infection	1	2	3	
34.8	02	When and how to submit reports of postoperative infection	1	2	3	
34.8	03	Who is responsible for submitting reports of postoperative infection	1	2	3	
34.8	04	Review process for compiled reports on postoperative infection includes recommendations for actions to address problems	1	2	3	
34.8	05	Notes or reports that show evidence of review and plan of action for the reports about postoperative infection	1	2	3	

66 INDICATORS FOR SURGICAL SERVICES

	9910	Does this facility monitor any specific indicators for surgical services?	YES ..... 1 NO ..... 2 NO SURGICAL SERVICES 3	→9900 →9900
	9911	How often is the data compiled to calculate post-operative mortality rates that are monitored?	EVERY ☐☐☐ DAYS NO POST OPERATIVE MORTALITY MONITORED 995	→9913

			(a)		(b)	(c)	(d)
	9912	For each of the surgical indicators for quality that I mention, please tell me if this facility monitors this, and, if yes, please show me any documentation that shows indicator data is compiled for monitoring.	INDICATOR MONITORED		MOST RECENT RATE	Time period covered by rate	
			YES	NO		Number of months	Year of information
		MORTALITY RELATED TO SURGERY					
34.2	01	Deaths prior to discharge among patients who had a procedure in a surgical theater?	1	2 → 02	☐☐☐ DON'T KNOW 998	☐☐	☐☐☐☐
	02	Deaths prior to discharge among < 15 year old patients who had a procedure in a surgical theater	1	2 → 9913	☐☐☐ DON'T KNOW 998→9913	☐☐	☐☐☐☐
	9913	How often is the data compiled to calculate the patient outcome indicators that are monitored, such as post-operative infection or other complications?	EVERY ☐☐☐ DAYS NO INDICATORS OF SURGICAL PATIENT COMPLICATIONS MONITORED 995				→9920
	9914	For each of the surgical indicators for	(a)		(b)	(c)	(d)

		quality that I mention, please tell me if this facility monitors this, and, if yes, please show me any documentation that shows indicator data is compiled for monitoring.	INDICATOR MONITORED		Number of cases in the past 3 months	Time period covered by rate	
			YES	NO		Total number of operations in the past 3 months	Year of information
		POST OPERATIVE COMPLICATIONS					
34.2	01	Post-operative surgical wound infection numbers (SPECIFIC TO SURGICAL INCISION)	1	2 → 02	DON'T KNOW ..998		
	02	Number of all surgical cases with postoperative sepsis	1	2 → 03	DON'T KNOW ..998		
	03	Number of all major surgical cases with postoperative pulmonary embolus	1	2 → 04	DON'T KNOW ..998		
	04	Number of all major surgical cases with deep vein thrombosis	1	2 → 05	DON'T KNOW ..998		
	05	Number of patients 65 or older with upper femur fracture who had surgery initiated within 2 calendar days of hospitalization?	1	2 → 06	DON'T KNOW ..998		
	06	Other surgical indicator_____ (SPECIFY)	1	2 → 96	DON'T KNOW ..998		
	96	Other surgical indicator_____ (SPECIFY)	1	2 → 9920	DON'T KNOW ..998		

		66.1 RESEARCH ON SURGICAL ISSUES		
	9920	Does this facility conduct any research for surgical services?	YES .....1 NO.....2	➔9900
	9921	How many ongoing research products involve children's surgery?	NONE 00	
	9922	How many ongoing research products involve child anaesthesia?	NONE 00	

		65 OUTCOME INDICATORS FOR QUALITY OF INPATIENT CARE AND PATIENT FOLLOW-UP					
	9900	Now I want to ask you about outcome indicators that are sometimes monitored as indicators of quality inpatient and patient follow-up services. I would like to speak with the person most familiar with quality indicators. For each of the following, please tell me if this facility has identified these as quality indicators. IF YES, ASK: Can I see some documentation or report that shows the information is being monitored?					
		For each of the indicators I mention, please tell me if the facility monitors this, and if applicable, show the rate for the most recent reporting year.	(a)		(b)	(c)	(d)
			INDICATOR MONITORED		number of deaths in the specific cases in 3 months preceding survey	Time period covered by rate	
			YES	NO		Total number of admissions in the past 3 months	Year of information
		65.1 DEATHS WITHIN 30 DAYS OF ADMISSION					

34.2	9901	Does this facility monitor deaths within 30 days of admission for any identified diagnoses? IF YES, ASK: May I see the most recent numbers for the following conditions?	1	2 9902			
34.2	01	Deaths within 30 days of admission for HIV	1	2 02	☐☐☐ DON'T KNOW ..998	☐☐	☐☐☐☐
	02	Deaths within 30 days of admission for Lower tract respiratory infections	1	2 03	☐☐☐ DON'T KNOW ..998	☐☐	☐☐☐☐
	03	Deaths within 30 days of admission for Malaria	1	2 9902	☐☐☐ DON'T KNOW 998➔9902	☐☐	☐☐☐☐
		65.2 HOSPITAL READMISSIONS					
	9902	Does this facility monitor unplanned and unexpected hospital readmissions for any conditions? IF YES, ASK: May I see the most recent numbers for the following conditions?	1	2 9903	Total number of re-admissions in 3 months preceding the study	Total number of admissions in the past 3 months	Year of information
	01	Readmissions for Acute myocardial infarction (AMI)	1	2 02	☐☐☐ DON'T KNOW ..998	☐☐	☐☐☐☐
	02	Readmissions for PNEUMONIA	1	2 03	☐☐☐ DON'T KNOW ..998	☐☐	☐☐☐☐
	03	Readmissions for ASTHMA	1	2 04	☐☐☐ DON'T KNOW ..998	☐☐	☐☐☐☐
	04	Readmissions for DIABETES	1	2 9903	☐☐☐ DON'T KNOW 998➔9903	☐☐	☐☐☐☐
		65.3 AVOIDABLE ADMISSIONS					
	9903	Does this facility monitor admissions for conditions where quality outpatient follow-up can reduce the need for hospitalization (avoidable hospital admissions) for any conditions? IF YES, ASK: May I see the most recent numbers?	1	2 9904	Number of avoidable admissions from the following condition in 3 months preceding the survey	Total number of admissions in the past 3 moths	Year
	01	Congestive heart failure	1	2 02	☐☐☐ DON'T KNOW ..998	☐☐	☐☐☐☐
	02	Chronic obstructive pulmonary diseases—COPD	1	2 03	☐☐☐ DON'T KNOW ..998	☐☐	☐☐☐☐
	03	ASTHMA	1	2 9904	☐☐☐ DON'T KNOW 998➔9904	☐☐	☐☐☐☐
		65.4 CASE FATALITY RATES					

	9904	Does this facility monitor case fatality rates for any specific diagnoses?	1	2 → END	Number of deaths from the causes in the 3 months preceding the study	Total number of patients diagnosed with the conditions in the past three months	Year
	01	Case fatalities for Lower tract respiratory infections	1	2 → 02	☐☐☐ DON'T KNOW ..998	☐☐	☐☐☐☐
	02	Case fatalities for Malaria	1	2 → 03	☐☐☐ DON'T KNOW ..998	☐☐	☐☐☐☐
	03	Case fatalities for Tuberculosis	1	2 → 04	☐☐☐ DON'T KNOW ..998	☐☐	☐☐☐☐
	04	Case fatalities for cancer	1	2 → 05	☐☐☐ DON'T KNOW ..998	☐☐	☐☐☐☐
	05	Case fatalities for HIV infected patients	1	2 → 06	☐☐☐ DON'T KNOW ..998	☐☐	☐☐☐☐
	06	Number of all facility deaths with HIV as a primary cause of death	1	2 → 9910	☐☐☐ DON'T KNOW 998→9910	☐☐	☐☐☐☐

	4850	Now I want to ask about different services and resources available in this facility for patients who arrive from outside this facility seeking emergency care, regardless of whether the patients walk-in or whether they arrive by ambulance or other vehicle.		
318		Does this facility ever provide any emergency services? This includes stabilizing patients prior to transfer for further treatment.	YES ..... 1 NO 2	➔9690
		FIND THE PERSON MOST KNOWLEDGEABLE ABOUT EMERGENCY SERVICES. EXPLAIN THAT THE IN CHARGE HAS AGREED FOR THE FACILITY TO PARTICIPATE IN THE SURVEY, AND EXPLAIN THE OBJECTIVES OF THE SURVEY. ASK FOR ASSISTANCE IN IDENTIFYING THE APPROPRIATE PERSONS TO ANSWER QUESTIONS FOR EACH SECTION.		

	5.2 24-HOUR EMERGENCY SERVICES			
	511	Who is officially allowed to use emergency walk-in services?	ANYONE/WALK-IN ..... 1 ONLY BY REFERRAL ..... 2 NO EMERGENCY WALK-IN SERVICES 3	

	A. INFRASTRUCTURE			
318.1	4851	What is the setting for emergency services?	SPECIAL EMERGENCY UNIT..... 1 OFFERED IN SAME SERVICE SETTINGS AS NON-EMERGENCY OUTPATIENT SERVICES ..... 2 OTHER _____ ..... 6 (SPECIFY)	
	ASK TO GO TO WHERE EMERGENCY SERVICES ARE OFFERED AND ASK TO SPEAK WITH THE PERSON MOST KNOWLEDGEABLE ABOUT EMERGENCY SERVICES. IF THERE ARE MULTIPLE LEVELS OF EMERGENCY SERVICES, ASK TO GO WHERE UNSTABLE PATIENTS RECEIVE EMERGENCY CARE. EXPLAIN: The in-charge has agreed that this facility can participate in this national survey of facilities with inpatient services that is being conducted by the Ministry of Health. I am interested in the types of emergency cases that arrive from outside the facility and that this facility manages, and the resources available for the emergency services. If some of the questions are better answered by another person, please call that person or take me to that person for the information. Can we proceed? IF YES, EXPLAIN: Now I would like to know more about how the emergency walk-in services are organized.			
	4852	First I would like to know about	(a) AVAILABILITY	(b) CONDITION
			YES, AVAILABLE / NOT	ADEQUATE / INADEQUATE

		infrastructure available for emergency services. For each item I ask about please indicate if this is dedicated for the emergency service area, if it is shared across the facility, or if it is not available. IF AVAILABLE ASK TO SEE THE AREA AND OBSERVE THE CONDITION, AND ASK: Is the space sufficient for normal emergency service caseload?	SPECIFIC FOR EMER-GENCY SERVICE AREA	NOT SPECIFIC FOR EMER-GENCY SERVICES	AVAI-LABLE	SPACE REPORTED TO BE ADEQUATE FOR NORMAL PATIENT CASELOAD	SPACE REPORTED INADEQUATE FOR NORMAL PATIENT CASELOAD
322	01	Isolation room for placing patients with suspect infectious diseases such as TB or haemorrhagic fever?	1➔b	2➔b	3➔03	1	2
322	03	Designated triage area	1➔b		3➔04	1	2
322	04	Designated resuscitation area	1➔b		3➔05	1	2
318.1	05	Functional radio or phone for communicating between facilities and/or ambulance for transfers	1	2	3		

	KEN4852	For each of the following service areas, assess if privacy is possible for a patient receiving services in the area	yes, visual and auditory privacy	YES, VISUAL PRIVACY ONLY	NO	NOT APPLICABLE
	01	Isolation room(s)	1	2	3	5
	02	Resuscitation area	1	2	3	5
	03	Triage area	1	2	3	5

	4853	Is there a usable (available, functional, private) toilet for emergency service patients and visitors to use? IF YES, INDICATE IF THE TOILET IS PROXIMATE TO THE UNIT SUCH THAT IT CAN BE CAN EASILY USED	YES, USABLE, FUNCTIONAL, PRIVATE PROXIMATE TO UNIT.....1 NOT PROXIMATE TO UNIT.....2 NO, EITHER NOT USABLE, NOT FUNCTIONAL, OR NOT PRIVATE.....3	➔4857
	4854	OBSERVE IF HAND WASHING MATERIALS (SOAP AND RUNNING WATER) ARE BY THE TOILET.	Yes, soap and water observed .....1 Soap and water reported, not seen .....2 No soap or water .....3 Soap but no water.....4 Water but no soap 5	
		ELECTRICITY IN EMERGENCY SERVICE AREA		
	4857	Is there electricity in this service area that is functioning now? IF YES, VERIFY ELECTRICITY IS FUNCTIONAL.	YES, OBSERVED..... 1 NO, NOT TODAY ..... 2 NO, NEVER HAVE ELECTRICITY 3	

	I. FURNISHING AND EQUIPMENT							
	Now I would like to ask about equipment for emergency patient examinations and for emergency treatment. For each item that I ask about, please show me the item and when relevant, tell me if it is functioning or not. TO COUNT AS PRESENT ITEM MUST BE IN THE EMERGENCY SERVICE AREA OR IMMEDIATE PROXIMITY SUCH THAT A PROVIDER COULD BE REASONABLY EXPECTED TO USE IT.							
		CATEGORY	A) AVAILABLE IN EMERGENCY SERVICE AREA			B) FUNCTIONING		
			OBSERVED	REPORTED NOT SEEN	NOT AVAILABLE	YES	NO	DON'T KNOW
	4940	GENERAL EQUIPMENT						
		VITAL SIGNS AND OTHER BASIC MEASURES						
321	03	Thermometer (manual, electronic, or digital)	1 → b	2 → b	3 → 04	1	2	8
321	04	Stethoscope	1 → b	2 → b	3 → 05	1	2	8
321	05	Blood pressure apparatus (manual sphygmomanometer with stethoscope) or digital	1 → b	2 → b	3 → 4941	1	2	8
	4941	AIRWAY INTERVENTIONS						
321	01	Suction apparatus (manual)	1 → b	2 → b	3 → 02	1	2	8
321	02	Suction apparatus (electronic)	1 → b	2 → b	3 → 03	1	2	8
321	03	Suction catheters	1 → b	2 → b	3 → 04	1	2	8
	04	Cricothyroidotomy set	1 → b	2 → b	3 → 05	1	2	8
		ADULT SIZES						
321	05	Oropharyngeal airway- adult	1 → b	2 → b	3 → 06	1	2	8
	06	Laryngeal mask or other supraglottic airway revise phrasing	1 → b	2 → b	3 → 07	1	2	8
321	07	Endotracheal tube- adult (e.g., cuffed sizes 5.5 to 9.0)	1 → b	2 → b	3 → 08	1	2	8
321	08	Adult intubation set (sealed) INSTRUCTION: IF YES, ASK FOR 09-11 AND MARK "REPORTED" IF THE ITEM IS IN THE SEALED KIT	1 → b	2 → b	3 → 09	1	2	8
321	09	Laryngoscope handle and blade- adult	1 → b	2 → b	3 → 10	1	2	8
	10	Magills forceps- adult	1 → b	2 → b	3 → 11	1	2	8

	11	Stylet or bougie – adult	1 → b	2 → b	3 → 12	1	2	8
		PAEDIATRIC SIZES						
	12	Oropharyngeal airway- paediatric	1 → b	2 → b	3 → 13	1	2	8
321	13	Endotracheal tube- paediatric (e.g., uncuffed sizes 3.0 to 5.0)	1 → b	2 → b	3 → 14	1	2	8
321	14	Paediatric intubation set (sealed) INSTRUCTION: IF YES, ASK FOR 15-18 AND MARK "REPORTED" IF THE ITEM IS IN THE SEALED KIT	1 → b	2 → b	3 → 15	1	2	8
321	15	Laryngoscope handle and blade- paediatric	1 → b	2 → b	3 → 16	1	2	8
	16	Laryngoscope handle and blade neonatal (size 1)	1 → b	2 → b	3 → 17	1	2	8
	17	Magills forceps- paediatric	1 → b	2 → b	3 → 18	1	2	8
321	18	Stylet or bougie – paediatric	1 → b	2 → b	3 → 19	1	2	8
321	19	Tubings and connectors (to connect endotracheal tube) – fits paediatric and adult endotracheal tubes	1 → b	2 → b	3 → 4942	1	2	8

	4942	**B. BREATHING INTERVENTIONS**						
321	01	Pulse oximeter	1 → b	2 → b	3 → 02	1	2	8
	02	Chest tubes and insertion set	1 → b	2 → b	3 → 03	1	2	8
321	03	CPAP equipment	1 → b	2 → b	3 → 04	1	2	3
321	04	Self-inflating bag and mask- adult	1 → b	2 → b	3 → 05	1	2	8
321	05	Self-inflating bag and mask- paediatric	1 → b	2 → b	3 → 06	1	2	8
321	06	Self-inflating bag and mask- neonatal (e.g., valve size 1)	1 → b	2 → b	3 → 4944	1	2 → 4944	8 → 4944
	4943	At any time during the past 3 months has the neonatal bag and mask been unavailable for this unit for any reason?	YES ..... 1 NO 2					

		CATEGORY	A) AVAILABLE IN EMERGENCY SERVICE AREA			B) FUNCTIONING		
			OBSERVED	REPORTED NOT SEEN	NOT AVAILABLE	YES	NO	DON'T KNOW
	4944	C1. Volume Resuscitation Interventions						
	02	Urinary catheter (straight or with balloon and urine collection) bag/container	1 → b	2 → b	3 → 4945	1	2	

	4945	C2. Control of bleeding						
	01	Tourniquet	1 → b	2 → b	3 → 4947	1	2	8
	4947	C3. Cardiac interventions						
	01	Cardiac monitor with electrodes	1 → b	2 → b	3 → 02	1	2	8
	02	Defibrillator	1 → b	2 → b	3 → 03	1	2	8
321	03	External cardiac pacer pads	1 → b	2 → b	3 → 04	1	2	8
	04	EKG machine	1 → b	2 → b	3 → 4950	1	3 → 4950	3 → 4950
321	05	Electrodes and leads for ECG machine	1 → b	2 → b	3 → 4950	1	3 → 4950	3 → 4950
321	4948	Is there a staff person onsite or on-call 24 hours to interpret the EKG?	YES ..... 1 NO 2					
	4950	**E. Other—Crosscutting**						
	01	Minor surgical kit INSTRUCTION: IF YES, ASK FOR 02-04 AND MARK "REPORTED" IF THE ITEM IS IN THE SEALED KIT	1 → b	2 → b	3 → 02	1	2	8
	02	Needle holder	1 → b	2 → b	3 → 03	1	2	8
	03	Scalpel handle with blade	1 → b	2 → b	3 → 04	1	2	8
	04	Haemostat	1 → b	2 → b	3 → 05	1	2	8
	05	Suture material	1	2	3			
	06	Suture needles	1	2	3			
	09	Chlorhexidine or other topical disinfectant	1	2	3			
	4951	Now I would like to know about the availability of oxygen for patients in this unit. Does this unit ever provide oxygen to patients?	YES ..... 1 NO 2					→ 4965
	4952	Is there any oxygen currently in the unit?	YES ..... 1 NO 2					→ 4954
	4953	Is oxygen called for from a central location if needed? IF YES ASK, How is oxygen supplied when needed?	YES, OXYGEN TANK/CYLINDER ..... 1 YES, OXYGEN CONCENTRATOR ..... 2 YES, BOTH TANK AND CONCENTRATOR ..... 3 NO 4					→ 4955 → 4955 → 4955 → 4965
	4954	Now I would like to see the following items and to know if they are functional or not						

		GENERAL OXYGEN EQUIPMENT	A) AVAILABLE IN GENERAL OUTPATIENT SERVICE AREA			B) FUNCTIONING		
			OBSERVED	REPORTED NOT SEEN	NOT AVAILABLE	YES	NO	DON'T KNOW
	01	Central/piped oxygen supply	1 → b	2 → b	3 → 02	1	2	8
	02	Oxygen concentrator	1 → b	2 → b	3 → 03	1	2	8
	03	Oxygen tank/cylinder with attached pressure gauge, pressure regulator	1 → b	2 → b	3 → 04	1	2	8
	04	Flowmeter for oxygen source, with gradations in ml	1 → b	2 → b	3 → 05	1	2	8
	05	Humidifier	1 → b	2 → b	3 → 06	1	2	8
	06	Oxygen delivery apparatus (key connecting tubes and mask/nasal prongs)	1 → b	2 → b	3 → 4965	1	2 → 4965	8 → 4965
	4955	At any time during the past 3 months has oxygen been unavailable for this unit for any reason?	YES ..... 1 NO 2					
		J. SUPPORT FOR QUALITY EMERGENCY UNIT SERVICES						
322.4	4965	Does this unit routinely use a standardised clinical form for emergency unit visits? IF YES, ASK TO SEE A COPY OF THE FORM	YES, OBSERVED..... 1 YES, REPORTED, NOT SEEN ..... 2 NO 3					

	KEN9558	Are emergency services offered in the same service area as non-emergency OPD services?	YES.....1 NO 2			➔KEN4921 LINK TO Q4851
39.1	9558	INDICATE IF THE FOLLOWING WAS OBSERVED IN THE UNIT	YES	NO	NOT APPLICABLE	
39.1	01	FLOOR: SWEPT, NO OBVIOUS DIRT OR WASTE	1	2		
39.1	02	COUNTERS/TABLES/CHAIRS: WIPED CLEAN- NO OBVIOUS DUST OR WASTE	1	2		
39.1	03	NEEDLES, SHARPS BOX MORE THAN ¾ FULL, OR ANY USED NEEDLES/SHARPS OUTSIDE THE BOX	1	2		
39.1	04	SHARPS BOX TORN/PIERCED	1	2		
39.1	05	BANDAGES/INFECTIOUS WASTE LYING UNCOVERED	1	2		
39.1	06	WERE ALL STAFF WEARING APPROPRIATE UNIFORMS IN THIS UNIT?	1	2		
39.1	07	WERE STAFF WEARING NAME TAGS IN THIS UNIT?	1	2		
39.1	08	WERE NON-SMOKING SIGNS OBSERVED IN THIS UNIT?	1	2		

39.1	09	IS THE PATIENT TOILET CLEAN WITH NO FAECAL MATERIAL OR BLOOD ON THE TOILET, FLOOR, OR WALLS?	1	2	5	
39.1	10	Functioning hand hygiene stations (that is, alcohol-based handrub solution or soap and water with a basin/pan and clean single-use towels)	1	2		

	G. STANDARD PRECAUTIONS FOR INFECTION PREVENTION			
	KEN4921	Are emergency services offered in the same service area as non-emergency OPD services?	YES ..... 1 NO 2	➔4871 LINK TO Q4851
	4921	Now I would like to see the main area where emergency services are offered. I would like to ask about different items for infection prevention and control and to observe which items are available. IF THERE ARE MULTIPLE SITES WHERE EMERGENCY SERVICES ARE PROVIDED ASK TO SEE THE SITE WHERE UNSTABLE EMERGENCY PATIENTS RECEIVE CARE. ASSESS IF THE FOLLOWING ITEMS ARE IN PROXIMITY TO THAT SITE SUCH THAT PROVIDERS THERE COULD REASONABLY EXPECT TO USE THE ITEMS.		

		ITEM	OBSERVED	REPORTED, NOT SEEN	NOT AVAILABLE
322.1	01	Clean running water (piped, bucket with tap, or pour pitcher)	1	2	3
322.1	02	Hand-washing soap or liquid soap	1	2	3
322.1	03	Alcohol based handrub	1	2	3
	04	Poster reminding staff about hand hygiene or showing good hand hygiene techniques	1	2	3
322.1	05	Disposable paper towels for drying hands	1	2	3
322.1	06 S	Disposable latex gloves (nonsterile)	1	2	3
322.1	07	Disposable latex gloves (sterile)	1	2	3
	08 S	Waste receptacle bin with lid and plastic bin liner clearly marked, for example, by label or colour, for potentially infectious non-sharp waste	1	2 ┐ 10 ←	3 10
	09 S	Does the waste receptacle for potentially infectious non-sharp waste have a functional foot pedal to open it?	1	2	3
322.1	10	Waste receptacle bin with lid and plastic bin liner clearly marked, for example, by label or colour, for biological waste	1	2 ┐ 12 ←	3 ┐ 12 ←
322.1	11	Does the waste receptacle have a functional foot pedal to open it?	1	2	3
	12	Safety box (for sharps)	1	2	3
	13	Environnemental disinfectant (e.g., chlorine, alcohol)	1	1111	3

319.1	14	Disposable syringes with disposable needles	1	2	3
319.1	15	Auto-disable syringes	1	2	3
319.1	16	Surgical/respiratory masks	1	2	3
	17	N95 face masks	1	2	3
	18	Non-sterile protective gowns	1	2	3
319.1	19	Sterile gowns	1	2	3
319.1	20	Aprons	1	2	3
319.1	21	Eye protection (goggles, face shields)	1	2	3
	22	Gumboots or clogs	1	2	3
	23	Hair cover	1	2	3
322.1	4922	Access to hand hygiene materials (soap and water or hand sanitizer) in <u>each</u> patient care area WALK THROUGH EACH PATIENT CARE AREA AND NOTE IF THE HANDWASHING FACILITIES ARE PRESENT OR NOT	1	2	3

		TRIAGE SERVICES		
318.1 **318.2**	4871	Is there a formal triage system for the emergency service patients?	YES..... 1 NO 2	➔4880
	4872	Is a structured triage tool, such as the WHO integrated triage tool, used 24 hours per day, 7 days per week?	YES..... 1 NO 2	➔4880
	4873	Have staff been trained in using the triage tool?	YES..... 1 NO 2	

		ORGANIZATION OF EMERGENCY SERVICES		
318.1	4858	How many hours per day are services provided in the emergency unit?	HOURS PER DAY ☐☐ 24-HOUR EMERGENCY SERVICES 24	
318.1	4860	How many hours per day are surgical services with general anaesthesia available for emergency unit patients?	HOURS PER DAY ☐☐ 24-HOUR SURGICAL SERVICES 24	

		C. HUMAN RESOURCES AVAILABLE FOR EMERGENCY SERVICE PATIENTS		
318.1	4880	Is there a core of fixed (non-rotating) providers permanently assigned to the emergency unit?	YES .....1 NO.....2	

		24-HOUR STAFF AVAILABILITY FOR EMERGENCY SERVICES		
318.1	4884	Are there ANY staff who are always available onsite or on-call for 24-hour emergency services?	YES .....1 NO.....2	➔4901

		4885	**Which of the following cadre of trained staff are always available 24-hours to provide emergency services? IF YES, CLARIFY: Is someone with this qualification <u>always onsite</u> for 24-hour emergency services? IF NOT REQUIRED TO BE ONSITE ASK: Are they <u>always officially</u> <u>on-call</u>, that is they are assigned on rotation to be available in near proximity for 24-hour emergency services?**				
		CADRE OF STAFF AVAILABLE 24-HOURS FOR EMERGENCY SERVICES [COUNTRY ADAPT CADRE/QUALIFICATION OF STAFF]	**STAFF ALWAYS AVAILABLE 24-HOURS FOR EMERGENCY SERVICES**			
			ONSITE IN EMERGENCY UNIT	**NOT ONSITE IN EMERGENCY UNIT BUT ON-CALL INSIDE FACILITY**	**NOT IN FACILITY BUT ON-CALL OUTSIDE FACILITY**	**NOT AVAILABLE 24 HOURS FOR EMERGENCY SERVICES**
318.1	01	Emergency medicine specialist	1	2	3	4
318.1	02	General medical practitioners	1	2	3	4
318.1	03a	Mid-level provider or advanced practice staff (e.g., clinical officers)	1	2	3	4
	03b	Mid-level provider or advanced practice nurses (e.g., nurse practitioners)	1	2	3	4
318.1	04	Professional nurse-midwife (dual trained)	1	2	3	4
	05	Professional nurse	1	2	3	4
318.1	06	Other specialist doctors	1 _____ SPECIFY	2 _____ SPECIFY	3 _____ SPECIFY	4 _____ SPECIFY

	E. DIAGNOSTICS			
	4901	**How many hours per day are radiology services such as x-ray available for emergency service patients 24-hours?**	**HOURS PER DAY** ☐☐ **24-HOUR RADIOLOGY SERVICES 24**	
318.1	4904	How many hours per day are laboratory diagnostic services (other than onsite rapid tests) available for emergency service?	HOURS PER DAY ☐☐ 24-HOUR LABORATORY SERVICES 24	

	H. DIAGNOSTICS			
	4937	Please tell me if any of the following diagnostic tests are available <u>in the area where emergency services are offered</u>. If the item is available, I would like to see it. CHECK TO SEE IF AT LEAST ONE OF EACH TEST IS VALID AND ALL ITEMS TO PERFORM TEST AVAILABLE AND FICTIONAL. DO NOT GO TO A LABORATORY OUTSIDE OF THE EMERGENCY UNIT TO ASSESS THESE TEST.		
		DIAGNOSTIC TEST	OBSERVED AVAILABLE	NOT OBSERVED

			AT LEAST ONE NOT EXPIRED	AVAILABLE BUT EXPIRED	REPORTED AVAILABLE BUT NOT SEEN	NOT AVAILABLE TODAY	NEVER AVAILABLE
	01	Urine dipstick	1	2	3	4	5
	02	Urine pregnancy	1	2	3	4	5
	03	Glucose	1	2	3	4	5
	04	Malaria Rapid Diagnostic Test (RDV)	1	2	3	4	5
	05	Rapid HIV testing	1	2	3	4	5

	F. AVAILABILITY OF EMERGENCY SERVICE SIGNAL FUNCTIONS				
	Now I want to know about the specific services that may or may not be **available in the emergency service area**. If you do not know about a service that I mention, please identify someone who is present today who might be more familiar with the issue. For each service I ask, please tell me if it has always been available when needed during the past 3 months, has been available, but not always the past 3 months, or is never available				
	FOR EACH ITEM CLARIFY IF THE SERVICES HAS ALWAYS BEEN AVAILABLE WHEN NEEDED THE PAST 3 MONTHS, SOMETIMES, BUT NOT ALWAYS BEEN AVAILABLE, OR IS NEVER AVAILABLE				
		Descriptor (The key informant for this section should be someone with direct involvement in clinical care delivery)	***(a) AVAILABILITY***		
			Always Available when needed during the past 3 months	**Not always available during the past 3 months**	**Never available**
	4905	**Vital signs**			
	01	Are vital signs measured in the triage area?	1	2	3
	02	Are vital signs measured in the Emergency Unit?	1	2	3
	4910	A. **Airway Interventions**			
	01	Use of manual maneuvers (e.g., jaw thrust, chin lift)	1	2	3
	02	Use of suction	1	2	3
	03	Placement of oro- or naso-pharyngeal airway device	1	2	3
	04	Placement of supraglottic device (Local Mask Airway--LMA)	1	2	3
	05	Endotracheal intubation	1	2	3
	06	Creation of surgical airway	1	2	3
	4911	**B. Breathing Interventions**			
	01	Measurement of pulse oximetry at triage	1	2	3
	02	Measurement of pulse oximetry in emergency unit treatment area	1	2	3
	03	Administration of bronchodilators for	1	2	3

	F. AVAILABILITY OF EMERGENCY SERVICE SIGNAL FUNCTIONS				
	Now I want to know about the specific services that may or may not be **available in the emergency service area**. If you do not know about a service that I mention, please identify someone who is present today who might be more familiar with the issue. For each service I ask, please tell me if it has always been available when needed during the past 3 months, has been available, but not always the past 3 months, or is never available				
	FOR EACH ITEM CLARIFY IF THE SERVICES HAS ALWAYS BEEN AVAILABLE WHEN NEEDED THE PAST 3 MONTHS, SOMETIMES, BUT NOT ALWAYS BEEN AVAILABLE, OR IS NEVER AVAILABLE				
		Descriptor (The key informant for this section should be someone with direct involvement in clinical care delivery)	***(a) AVAILABILITY***		
			Always Available when needed during the past 3 months	**Not always available during the past 3 months**	**Never available**
		reactive airway disease			
	04	Administration of oxygen	1	2	3
	05	Bag-valve-mask ventilation	1	2	3
	06	Non-invasive mechanical ventilation such as Bilevel Positive Airway Pressure (BiPAP) or Continuous Positive Airway Pressure (CPAP)	1	2	3
	07	Invasive mechanical ventilation	1	2	3
	08	Perform needle decompression of tension pneumothorax	1	2	3
	09	Placement of chest tube	1	2	3
	4912	**CIRCULATION**			
		C1 Volume Resuscitation Interventions			
	01	Administer oral rehydration	1	2	3
	02	Place peripheral IV access	1	2	3
	03	Establish intraosseous access	1	2	3
	04	Perform venous cut down	1	2	3
	05	Establish central venous access	1	2	3
	06	Administration of IV fluids	1	2	3
	07	Adjust fluid resuscitation for malnutrition or severe anaemia	1	2	3
	08	Place urinary catheter	1	2	3
	4913	**C2 Control of Bleeding**			
	01	External control of haemorrhage	1	2	3
	02	Perform packing and/or suture control	1	2	3
	03	Apply arterial tourniquet	1	2	3
	04	Apply pelvic binding or sheeting	1	2	3
	05	Ability to perform safe transfusion (including protocols for appropriate ratios for massive	1	2	3

	F. AVAILABILITY OF EMERGENCY SERVICE SIGNAL FUNCTIONS				
		Now I want to know about the specific services that may or may not be **available in the emergency service area**. If you do not know about a service that I mention, please identify someone who is present today who might be more familiar with the issue. For each service I ask, please tell me if it has always been available when needed during the past 3 months, has been available, but not always the past 3 months, or is never available			
		FOR EACH ITEM CLARIFY IF THE SERVICES HAS ALWAYS BEEN AVAILABLE WHEN NEEDED THE PAST 3 MONTHS, SOMETIMES, BUT NOT ALWAYS BEEN AVAILABLE, OR IS NEVER AVAILABLE			
		Descriptor (The key informant for this section should be someone with direct involvement in clinical care delivery)	***(a) AVAILABILITY***		
			Always Available when needed during the past 3 months	**Not always available during the past 3 months**	**Never available**
		transfusion)			
	06	Perform and interpret point of care ultrasound	1	2	3
	4914	**C3. Cardiac Interventions**			
	01	Perform pericardiocentesis	1	2	3
	02	Perform external defibrillation and/or cardioversion	1	2	3
	03	Perform external cardiac pacing	1	2	3
	04	Administration of adrenaline	1	2	3
	05	Perform and interpret ECG	1	2	3
	06	Administer aspirin for ischemia	1	2	3
	07	Administration of thrombolytics for myocardial infarction (MI)	1	2	3
	4915	**D. Neurologic**			
	4915	**D1 Unconscious patient**			
	01	Check glucose level	1	2	3
	02	Administer glucose for hypoglycemia	1	2	3
	03	Administer insulin for hyperglycemia	1	2	3
	04	Perform lumbar puncture	1	2	3
	4916	D2 **Seizure**			
	01	Protect from secondary injury	1	2	3
	02	Administer benzodiazepine	1	2	3
	03	Administer IV magnesium for pregnant patient	1	2	3
	04	Administer locally appropriate antidote for narcotic overdose	1	2	3
	4917	**D3 OTHERS**			

	F. AVAILABILITY OF EMERGENCY SERVICE SIGNAL FUNCTIONS				
	Now I want to know about the specific services that may or may not be **available in the emergency service area**. If you do not know about a service that I mention, please identify someone who is present today who might be more familiar with the issue. For each service I ask, please tell me if it has always been available when needed during the past 3 months, has been available, but not always the past 3 months, or is never available				
		FOR EACH ITEM CLARIFY IF THE SERVICES HAS ALWAYS BEEN AVAILABLE WHEN NEEDED THE PAST 3 MONTHS, SOMETIMES, BUT NOT ALWAYS BEEN AVAILABLE, OR IS NEVER AVAILABLE			
		Descriptor (The key informant for this section should be someone with direct involvement in clinical care delivery)	***(a) AVAILABILITY***		
			Always Available when needed during the past 3 months	**Not always available during the past 3 months**	**Never available**
	01	Perform mental status examination	1	2	3
	02	Management of extreme temperatures	1	2	3
	03	Ability to provide physical restraints	1	2	3
	04	Administer appropriate therapeutics for agitation	1	2	3
	05	Perform procedural sedation	1	2	3
	4918	**E Sepsis Interventions**			
	01	Administration of IV antibiotics	1	2	3
	02	Administration o11f IV vasopressors	1	2	3
	03	Perform diagnostic paracentesis	1	2	3
	04	Bedside minor surgical techniques for source control (e.g., abscess)	1	2	3
	4919	**F. Injury specific interventions**			
	01	Immobilize the cervical spine	1	2	3
	02	Apply three-way dressing for sucking chest wound	1	2	3
	03	Perform fasciotomy or escharotomy for compartment syndrome	1	2	3
	04	Administer opiate analgesia	1	2	3
	05	Immobilize fractures	1	2	3
	06	Perform closed reduction of fracture or dislocation	1	2	3
	07	Administer antibiotics for open fracture	1	2	3
	08	Perform appropriate initial wound care	1	2	3
	09	Administer tetanus vaccination or IVIG as appropriate	1	2	3
	10	Administer rabies vaccine or IVIG as appropriate	1	2	3

F. AVAILABILITY OF EMERGENCY SERVICE SIGNAL FUNCTIONS

Now I want to know about the specific services that may or may not be **available in the emergency service area**. If you do not know about a service that I mention, please identify someone who is present today who might be more familiar with the issue. For each service I ask, please tell me if it has always been available when needed during the past 3 months, has been available, but not always the past 3 months, or is never available

FOR EACH ITEM CLARIFY IF THE SERVICES HAS ALWAYS BEEN AVAILABLE WHEN NEEDED THE PAST 3 MONTHS, SOMETIMES, BUT NOT ALWAYS BEEN AVAILABLE, OR IS NEVER AVAILABLE

		Descriptor (The key informant for this section should be someone with direct involvement in clinical care delivery)	(a) AVAILABILITY		
			Always Available when needed during the past 3 months	Not always available during the past 3 months	Never available
	4920	**G. Obstetric Interventions**			
	01	Perform emergency vaginal delivery	1	2	3
	02	Administer uterotonic drug (e.g., oxytocin)	1	2	3
	03	Perform neonatal resuscitation	1	2	3

G. EMERGENCY DRUG

	4923	Now I would like to ask about the availability of medicines for emergency services.	
318.1		How many hours per day are pharmacy services available for emergency unit patients?	HOURS PER DAY ☐☐ 24-HOUR PHARMACY SERVICES.....24
		ASK TO GO TO WHERE DRUGS FOR THE EMERGENCY PATIENTS ARE KEPT DURING NIGHT HOURS AND CHECK FOR THE AVAILABILITY OF AT LEAST ONE VALID UNIT.	

	4927	A. EMERGENCY DRUGS	OBSERVED AVAILABLE		NOT OBSERVED		
			AT LEAST ONE NOT EXPIRED	AVAILABLE BUT EXPIRED	REPORTED AVAILABLE BUT NOT SEEN	NOT AVAILABLE TODAY	NEVER AVAILABLE
321.1	01	Adrenaline or Epinephrine injection	1	2	3	4	5
321.1	02	Glucose 50% injection	1	2	3	4	5
	03	Atropine injection	1	2	3	4	5
	04	Calcium gluconate injection	1	2	3	4	5
	05	Sodium bicarbonate	1	2	3	4	5
321	06	Volume replacement intravenous solutions (Dextrose 5% and normal saline (D5NS) or Normal Saline (NS) or Ringers Lactate (RL)	1	2	3	4	5
321	07	Dextrose 5% and water intravenous solution (for drug administration)	1	2	3	4	5

	4928	OTHER DRUGS					
321.3	01	Lidocaine 1 or 2%	1	2	3	4	5
321.4	02	Ketamine	1	2	3	4	5
321.1	07	Benzodiazepine	1	2	3	4	5
	13	Magnesium Sulfate	1	2	3	4	5
321.1	14	Naloxone (narcan) narcotic antagonist	1	2	3	4	5
321.5	16	Oxytocin	1	2	3	4	5
	19	Any NSAID (e.g., diclofenac, ibuprofen, paracetamol)	1	2	3	4	5
	20	Opiod (e.g., morphine)	1	2	3	4	5

	4929	**OTHER ITEMS**					
	01	Intravenous infusion set	1	2	3	4	5
	02	Sterile needles (19 gauge)	1	2	3	4	5
	03	Sterile needles (21 gauge)	1	2	3	4	5
	04	Sterile syringes (3 ml)	1	2	3	4	5
	05	Sterile syringes (5 ml)	1	2	3	4	5
321	06	Intravenous catheter (14 or 16 gauge),	1	2	3	4	5
	07	Intravenous catheter (18 gauge)	1	2	3	4	5
	08	Intravenous catheter (20 gauge)	1	2	3	4	5
	4934	Are essential life-saving drugs and equipment for respiratory support kept in a cart/box/tray <u>where they can be rapidly used for an emergency situation?</u> IF YES, ASK TO SEE THE LOCATION AND MARK THE SITUATION OBSERVED.	YES, OBSERVED LOCKED EMERGENCY CART/BOX ..... 1 YES, OBSERVED UNLOCKED EMERGENCY CART/BOX OR TRAY THAT CAN EASILY BE CARRIED ..... 2 OBSERVED IN CABINET/CUPBOARD NOT EASILY TRANSPORTED..... 3 NOT ONE LOCATION ..... 4 NOT OBSERVED..... 5				➔9690 ➔9690 ➔9690
	4935	CHECK THE LIST FOR WHAT IS EXPECTED TO BE IN THE EMERGENCY CART/BOX AND INDICATE WHICH OF THE BELOW IS ON THE CART/IN THE EMERGENCY BOX. IF THE CART IS SEALED/LOCKED AND AN ITEM IS LISTED TO BE ON THE CART, MARK IT AS "REPORTED, NOT SEEN"					

		Item In Emergency Cart/Box	**OBSERVED**	**REPORTED, NOT SEEN**	**NOT AVAILABLE**	
321.1	01	Adrenaline or Epinephrine injection	1	2	3	

321.1	02	Glucose 50% injection	1	2	3	
	03	Atropine injection	1	2	3	
	04	Calcium gluconate injection	1	2	3	
	05	Sodium Bicarbonate	1	2	3	
321	07	Intravenous infusion set	1	2	3	
321	08	Volume replacement intravenous solutions (Dextrose 5% and normal saline (D5NS) or Normal Saline (NS) or Ringers Lactate (RL)	1	2	3	
	09	Dextrose 5% /water intravenous solution (for drug administration)	1	2	3	
	4936	EMERGENCY RESPIRATORY EQUIPMENT				
	01	Oropharangyeal airway (adult)	1	2	3	
	02	Nasopharyngeal airways (adult)	1	2	3	
	03	Oropharangyeal airway (paediatric)	1	2	3	
	04	Nasopharyngeal airways (paediatric)	1	2	3	
321	05	Adult Intubation set (with endotracheal tube, stylet or bougie, laryngoscope handle and blade, magills forceps)	1	2	3	
321	06	Paediatric Intubation set (with endotracheal tube, stylet or bougie, laryngoscope handle and blade, magills forceps)	1	2	3	

	61.3 SERVICES FOR VICTIMS OF VIOLENCE			
	A PEP FOR RAPE VICTIMS			
253	9690	Does this facility offer any services for victims of violence, such as rape or abuse?	YES ..... 1 NO 2	➔9685
		ASK TO GO TO WHERE INFORMATION FOR RAPE VICTIMS CAN BE FOUND		
	9691	Is post-exposure prophylaxis (PEP) for HIV ever provided to rape victims?	YES ..... 1 NO 2	➔2761
	9692	Is information on numbers of rape victims seeking services compiled?	YES ..... 1 NO 2	➔9695
	9693	Is there any information compiled on numbers of rape victims who receive PEP?	YES ..... 1 NO 2	➔9695

406	9694	In the most recent compiled report that includes rape victims, what proportion of the rape victims received PEP?	a) NUMBER OF RAPE VICTIMS ☐☐☐ b) PROPORTION OF RAPE VICTIMS RECEIVING PEP ☐☐☐ c) PROPORTION OF RAPE VICTIMS RECEIVING PEP WITHIN 72 HOURS OF RAPE ☐☐☐ INFORMATION NOT AVAILABLE 998	➔2761
46	9695	IDENTIFY THE MOST RECENT 10 RAPE VICTIMS AND CHECK REGISTERS OR INDIVIDUAL PATIENT RECORDS FOR THE NUMBER WHO RECEIVED PEP.	a) NUMBER OF RAPE VICTIMS IDENTIFIED ☐☐ INFORMATION NOT AVAILABLE .....98 b) NUMBER OF RAPE VICTIMS RECEIVING PEP ☐☐ INFORMATION NOT AVAILABLE .....998 c) NUMBER OF RAPE VICTIMS RECEIVING PEP WITHIN 72 HOURS OF RAPE ☐☐ INFORMATION NOT AVAILABLE 998	➔2761 ➔2761

Readiness

	15.4 SERVICES FOR VICTIMS OF VIOLENCE					
	2761	**Which of the following services are offered to victims of rape and sexual attack? IF THE SERVICE IS OFFERED, ASK: Is this always offered to victims of sexual attack or only sometimes, on a case by case basis, or is the service not available?**	OFFERED ROUTINELY	OFFERED SOMETIMES, NOT ALWAYS	NOT AVAILA -BLE	
253.1	01	Forensic assessment and examinations	1	2	3	
253.1	02	Rapid HIV test	1	2	3	
253.1	04	Emergency contraceptive	1	2	3	
	05	Counselling services	1	2	3	
254	2764	Does the facility have a post rape care (PRC) register or other means of documenting cases of intimate partner and/or sexual violence? IF YES, ASK: May I see the documentation?	YES, OBSERVED..... 1 YES, REPORTED, NOT SEEN..... 2 NO 3			
	2780	Does this facility have the capacity to identify and offer services for victims of child-abuse or maltreatment? Child-abuse includes physical, sexual or emotional violence and neglect of persons aged 0-17 by parents or caregivers.	YES..... 1 NO 2			➔2800

	2781	Does your health facility systematically identify victims of child maltreatment through routine services? Victims of child-abuse or maltreatment often do not seek health services for their exposure to violence. They are rather identified through other routine services such as vaccination services, paediatric services, antenatal care etc.	YES, ROUTINELY..... 1 SOM2ETIMES, NOT A SYSTEMATIC PRACTICE ..... 2 NO 3			
	2783	For each of the following services for victims of child abuse or maltreatment, please tell me if there is a system for providing or referring patients for the service. IF YES, ASK: May I see any records or documents that show this service being offered or a patient being referred for the service or that document that this is part of the protocol/guideline.	YES, SERVICE OFFERED/ PATIENT REFERRED AND DOCUMENT ATION OBSERVED	YES SERVICE OFFERED/ PATIENT REFERRED AND NO DOCUMENTA-TION OBSERVED	SERVIC E NOT PROVI-DED/RE - FERRED FOR	
	01	Longer term psychological support	1	2	3	
	02	Legal counsel	1	2	3	
	03	Police intervention	1	2	3	
	04	Child protection services (such as emergency domicile out of home, reintegration of child into family care when possible, permanent relocation of child for safety)	1	2	3	
	2784	Does the facility have a register or other means of documenting cases of child-abuse or maltreatment? IF YES, ASK: May I see the documentation for child maltreatment cases?	YES, OBSERVED..... 1 YES, REPORTED, NOT SEEN..... 2 NO 3			
	2800	Does this facility have the capacity to identify and offer services for victims of youth violence? This includes physical, sexual or emotional violence in young people aged 10-24 years of age perpetrated by peers.	YES..... 1 NO 2			

	2802	For each of the following services for victims of youth violence, please tell me if there is a system for providing or referring patients for the service. IF YES, ASK: May I see any records or documents that show this service being offered or a patient being referred for the service or that document that this is part of the protocol/guideline.	YES, SERVICE OFFERED/PAT-IENT REFERRED AND DOCUMEN-TATION OBSERVED	YES SERVICE OFFERED/ PATIENT REFERRED AND NO DOCUMENTATION OBSERVED	SERVICE NOT PROVIDED/REFER-RED FOR	
	01	Longer term psychological support	1	2	3	
	02	Longer term support for alcohol and drug use disorders	1	2	3	
	03	Legal counsel	1	2	3	

	04	Police intervention	1	2	3	
	05	Child and adult protection services	1	2	3	

	61.2 EMERGENCY UNIT SERVICES			
318.1	9685	Where are emergency services offered?"	SPECIAL EMERGENCY UNIT.....1 OFFERED IN SAME SERVICE SETTINGS AS NON-EMERGENCY OUTPATIENT SERVICES.....2 OTHER _____ .....6 (SPECIFY)	LINK TO Q4851 ➔END ➔END
322.4	9686	Are there meetings specifically to review emergency cases for quality improvement? This may be meetings to review data, morbidity or mortality conferences that include patients from the emergency unit, or preventable death panels.	YES, SPECIFIC FOR EMERGENCY UNIT PATIENTS.....1 YES, NOT SPECIFIC TO EMERGENCY UNIT PATIENTS BUT AS PART OF FACILITY CASE REVIEW PROCESS.....2 NO.....3	➔END
	9687	Is there a routine system for tracking implementation of quality improvement or corrective actions after reviews of unit data or case reviews for emergency unit services? IF YES, ASK TO SEE EVIDENCE OF MONITORING TO FOLLOW-UP ON ACTIONS.	YES, OBSERVED.....1 YES, REPORTED, NOT SEEN.....2 NO.....3	

	17 HIV SERVICES			
	4000	Does the facility have links with CHVs or community volunteers for any HIV related services?	YES ..... 1 NO 2	
	17.1 HIV TESTING SERVICES			
	4010[S]	Does this facility offer HIV testing services?	YES ..... 1 NO 2	➔4040
	KEN4011	Does this facility provide HIV testing services for older children 5-9 years of age?	YES ..... 1 NO 2	
	4011[S]	Does this facility provide HIV testing services for minor adolescents 10-19 years of age? IF YES, CLARIFY IF GUARDIAN CONSENT IS REQUIRED OR NOT	YES, GUARDIAN CONSENT REQUIRED ..... 1 YES, NO GUARDIAN CONSENT REQUIRED ..... 2 NO 3	
	4014	Does this facility ever provide HIV testing services for children below 5 years of age? IF NO, ASK: Are children referred elsewhere outside facility for HIV testing	YES ..... 1 NO, CHILDREN ARE REFERRED ELSEWHERE ..... 2 NO 3	

ASK TO BE SHOWN THE LOCATION IN THE FACILITY WHERE HIV TESTING SERVICES ARE MOST OFTEN PROVIDED. FIND THE PERSON MOST KNOWLEDGEABLE ABOUT HIV TESTING SERVICES IN THE FACILITY. INTRODUCE YOURSELF, EXPLAIN THE PURPOSE OF THE SURVEY AND ASK THE FOLLOWING QUESTIONS.

	4020	**Where is the HIV test conducted?** **IF OTHER THAN LABORATORY, GO TO SITE.**	**LABORATORY ..... 1** **OTHER SITE/HTS SITE 2**			**➔4025**
	4021	Is the HIV counselling service site a private room/area with auditory and visual privacy?	AUDITORY PRIVACY ONLY ..... 1 VISUAL PRIVACY ONLY ..... 2 BOTH AUDITORY AND VISUAL PRIVACY ..... 3 NO PRIVACY 4			
		GO TO WHERE HIV TEST FOR COUNSELLING AND TESTING IS CONDUCTED				
	4022[S]	Does this facility have HIV rapid test kits (with valid expiry date) in stock in this service site today? CHECK TO SEE IF VALID (NOT EXPIRED)	YES, OBSERVED ..... 1 YES, REPORTED, NOT SEEN ..... 2 NO 3			➔4024
	4023	Has there been any stockout of the HIV rapid test in the past 3 months?	YES ..... 1 NO 2			
	4024[S]	Please tell me if the following resources/supplies used for infection control are available in this service area today. ASK TO SEE EACH ITEM	YES, OBSERVED	YES, REPORTED, NOT SEEN	NO	
	01[S]	Clean running water (piped, bucket with tap, or pour pitcher)	1	2	3	
	02[S]	Soap (bar or liquid) for hand hygiene	1	2	3	

	03 S	Alcohol based handrub	1	2	3
	04	Poster reminding staff about hand hygiene or showing good hand hygiene techniques	1	2	3
	05	Disposable paper towels for drying hands	1	2	3
	06 S	Disposable latex gloves (nonsterile)	1	2	3
	07	Disposable latex gloves (sterile)	1	2	3
	08 S	Waste receptacle bin with lid and plastic bin liner clearly marked, for example, by label or colour, for potentially infectious non-sharp waste	1	2→12	3→12
	09 S	Does the waste receptacle for potentially infectious waste have a functional foot pedal to open it?	1	2	3
	12 S	Safety box (for sharps)	1	2	3
	13 S	Environnemental disinfectant (e.g., chlorine, alcohol)	1	2	3
	14 S	Disposable syringes with disposable needles	1	2	3
	15 S	Auto-disable syringes	1	2	3
	16	Surgical/respiratory masks	1	2	3

	4025	**Does this facility have condoms available in this service site today to give to clients receiving services?** **IF YES ASK: May I see the condoms?**	**YES, OBSERVED.....1** **YES, REPORTED, NOT SEEN .....2** **NO.....3**	
	17.2 HIV ANTIRETROVIRAL TREATMENT (ART) SERVICES			
	4040	Does this facility prescribe life-long ART or provide follow up services for life-long ART clients?	YES ..... 1 NO 2	→4070
	ASK TO BE SHOWN THE LOCATION IN THE FACILITY WHERE HIV TREATMENT SERVICES ARE PROVIDED. FIND THE PERSON MOST KNOWLEDGEABLE ABOUT HIV TREATMENT SERVICES IN THE FACILITY. INTRODUCE YOURSELF, EXPLAIN THE PURPOSE OF THE SURVEY AND ASK THE FOLLOWING QUESTIONS.			
	4041	Which of the following services does this facility provide?	YES	NO
	01	Routine adherence counselling	1	2
	02 S	ART client clinical treatment follow-up	1	2
	03 S	Adherence and/or drug supply services for ART clients	1	2
	04 S	ART prescription services	1	2
	A. PAEDIATRIC AND ADOLESCENT ART SERVICES			
	4042	Does this facility provide any ART prescription or clinical follow-up services for HIV infected children below 5 years of age? IF YES, CLARIFY WHICH SERVICES ARE OFFERED	YES, ART PRESCRIPTION AND CLINICAL FOLLOW-UP..... 1 YES, ART PRESCRIPTION,NO CLINICAL FOLLOW-UP..... 2 NO SERVICES FOR HIV INFECTED CHILDREN 4	

230.1	4045	Does this facility provide any ART prescription or clinical follow-up services for HIV infected adolescents? IF YES, CLARIFY WHICH SERVICES ARE OFFERED	YES, ART PRESCRIPTION AND CLINICAL FOLLOW-UP ..... 1 YES, ART PRESCRIPTION,NO CLINICAL FOLLOW-UP ..... 2 NO SERVICES FOR HIV INFECTED ADOLESCENTS 4	➔4070
	4046	Is guardian permission required prior to providing any ART services for adolescents?	YES ..... 1 NO 2	
	17.3 HIV CARE AND SUPPORT SERVICES			
207	4070 S	Does this facility offer HIV & AIDS care and support services, including treatment of opportunistic infections and provisions of palliative care?	YES ..... 1 NO 2	➔KEN 4080

	4071	For which of the following subgroups does this facility offer HIV & AIDS care and support services?	YES	NO	
	01	Adults	1	2	
	02	Adolescents 10-19 (only with guardian permission)	1➔04	2	
	03	Adolescents 10-19 (without guardian permission	1	2	
	04 S	Children 0-9	1	2	
	4072 S	Please tell me if this facility provides the following services for HIV/AIDS clients:	YES	NO	
	01 S	Prescribe treatment for any opportunistic infections or symptoms related to HIV/AIDS? This includes treating topical fungal infections.	1	2	
	02 S	Provide or prescribe palliative care for clients, such as symptom or pain management, or nursing care for the terminally ill, or severely debilitated clients?	1	2	
	03 S	Provide nutritional rehabilitation services? e.g., client education and provision of nutritional supplements?	1	2	
	04 S	Prescribe or provide fortified protein supplementation (FPS)?	1	2	
	KEN04	Provide other fortified blended foods (FBF)	1	2	
	KEN05	Provide other supplementary feeding	1	2	
	05 S	Provide or prescribe micronutrient supplementation, such as vitamins or iron?	1	2	
	06 S	Primary preventive treatment for opportunistic infections, such as cotrimoxazole preventive treatment (CPT)?	1	2	
	07 S	Provide condoms for preventing further transmission of HIV?	1	2	
	08 S	Family planning counselling for HIV/AIDS clients?	1	2	
	09	Routine screening or testing for TB?	1	2	
	10 S	Prescribe or provide preventive treatment for TB (INH + Pyridoxine)	1	2	

	11	Provide/prescribe treatment for TB or TB and HIV co-infection	1	2	
	12	Counsel on risk reduction in TB and HIV co-infected clients	1	2	
	13	Provide screening for cryptococcal infection for clients with CD4 below 100?	1	2	
	14 [S]	Provide systemic intravenous treatment of specific fungal infections such as cryptococcal meningitis?	1	2	
	15 [S]	Provide treatment for Kaposi's sarcoma?	1	2	
	16	Refer for treatment of Kaposi's sarcoma?			
	17	Screen HIV clients for chronic cardio-vascular diseases?	1	2	
	18	Screen HIV clients for diabetes	1	2	
	19	Routine STI screening tests and diagnosis	1	2	
	20	Provide/prescribe STI treatments	1	2	
	21	Diagnostic testing for hepatitis B and C	1	2	
	22	Routine HIV testing and counselling for partner of HIV infected client	1	2	
	KEN23	Viral load testing onsite	1	2	
	KEN24	Refer client for viral load testing	1	2	
208.1	4073	Are condoms available in the service site for care and support services for HIV infected clients? IF YES, ASK: May I see them?	YES, OBSERVED.....1 YES, REPORTED, NOT SEEN.....2 NO 3		
	A. HIV/TB COINFECTION				
	KEN4080	Does the facility screen HIV positive clients for TB using the Intensified TB Case Finding (ICF) tool?	YES..... 1 NO 2		➔KEN9641
	KEN4081	How are HIV positive clients with presumptive TB tested for TB? IF METHODS VARY ASK FOR THE MOST COMMON PROCESS USED.	Xpert test done on site/in facility..... 1 Client referred for Xpert test to another facility ..... 2 Sputum specimen taken and sent to another facility for Xpert test ..... 3 Diagnosis of TB using clinical signs Only ..... 4 Xray on site/in facility..... 5 Referred for Xray to another facility 6		
732	4082	Is there a register or record of HIV positive clients who were tested for TB? IF YES, ASK: May I see the register or record?	YES, OBSERVED..... 1 YES, REPORTED, NOT SEEN..... 2 NO 3		

	D. ARV STORAGE CONDITIONS				
	KEN 9641	Does the facility store ARVs?	YES ..... 1 NO		➔END
29.2	9641	OBSERVE THE PRIMARY PHARMACY FOR ARV STORAGE CONDITIONS AND INDICATE THE PRESENCE (OR ABSENCE) OR EACH OF THE FOLLOWING CONDITIONS	YES	NO	
29.2	01	ARE THE MEDICINES OFF THE FLOOR?	1	2	
29.2	02	ARE THE MEDICINES AT RISK OF WATER DAMAGE FROM LEAKS OR OTHER SOURCES?	1	2	
29.2	03	ARE THE MEDICINES PROTECTED FROM DIRECT SUNLIGHT?	1	2	
29.2	04	IS THE ROOM CLEAN OF EVIDENCE OF RODENTS (BATS, RATS) OR PESTS (ROACHES, ETC.)	1	2	
29.2	05	AIRFLOW SUFFICIENT TO REDUCE RISK OF MOLD AND MILDEW	1	2	
29.2	9642	Is there a thermometer for the room? IF YES, ASK: May I see the thermometer? CHECK TO SEE IF THE THERMOMETER IS FUNCTIONING.	YES, FUNCTIONING .....1 YES, NOT FUNCTIONAL.....2 NO 3		 ➔9646 ➔9646
	9643	RECORD THE TEMPERATURE AT THE TIME OF THE SURVEY	TEMPERATURE CENTIGRADE NO FUNCTIONAL THERMOMETER 98		
29.2	9644	Is there a record of monitoring the room temperature over the past 30 days? IF YES, ASK TO SEE THE RECORD.	YES, OBSERVED TEMPERATURE RECORDED DAILY.....1 TEMPERATURE RECORDED AT LEAST WEEKLY .....2 TEMPERATURE RECORDED LESS THAN WEEKLY .....3 YES, REPORTED, NOT SEEN .....4 NO 5		 ➔9646 ➔9646 ➔9646 ➔9646
29.2	9645	DOES THE TEMPERATURE MONITORING RECORD SHOW THE TEMPERATURE >= 15 AND <= 25 CENTIGRADE EACH OF THE PAST 30 DAYS?	YES.....1 NO 2		
29.2	9646	LOOK AT THE STORAGE AREA AND VERIFY ITEM WITH RESPONDENT	YES	NO	
29.2	01	Can the main ARV storage area(s) be locked?	1	2	
29.2	02	Is there limited access to the main ARV storage areas?	1	2	
29.2	03	OBSERVE IF ALL DOORS THAT SEPARATE THE ARV STORAGE AREA FROM NON-PHARMACEUTICAL STORAGE AREAS ARE SOLID	1	2	
29.2	04	OBSERVE IF WINDOWS HAVE BARS OR SHUTTER RS OR OTHER MEANS FOR SECURITY. IF THERE ARE NO WINDOWS, MARK '1' FOR YES.	1	2	

	9572	Does this facility have an intensive care unit? IF YES, GO TO THE ICU. IF THERE IS MORE THAN ONE ICU RANDOMLY SELECT ONE FOR ASSESSMENT	YES ..... 1 NO..... 2	➔9578

39.1	9573	INDICATE IF THE FOLLOWING WAS OBSERVED IN THE UNIT	YES	NO	NOT APPLICABLE	
39.1	01	FLOOR: SWEPT, NO OBVIOUS DIRT OR WASTE	1	2		
39.1	02	COUNTERS/TABLES/CHAIRS: WIPED CLEAN- NO OBVIOUS DUST OR WASTE	1	2		
39.1	03	NEEDLES, SHARPS BOX MORE THAN ¾ FULL, OR ANY USED NEEDLES/SHARPS OUTSIDE THE BOX	1	2		
39.1	04	SHARPS BOX TORN/PIERCED	1	2		
39.1	05	BANDAGES/INFECTIOUS WASTE LYING UNCOVERED	1	2		
39.1	06	WERE ALL STAFF WEARING APPROPRIATE UNIFORMS IN THIS UNIT?	1	2		
39.1	07	WERE STAFF WEARING NAME TAGS IN THIS UNIT?	1	2		
39.1	08	WERE NON-SMOKING SIGNS OBSERVED IN THIS UNIT?	1	2		
39.1	09	IS THE PATIENT TOILET CLEAN WITH NO FAECAL MATERIAL OR BLOOD ON THE TOILET, FLOOR, OR WALLS?	1	2	5	
39.1	10	Functioning hand hygiene stations (that is, alcohol-based handrub solution or soap and water with a basin/pan and clean single-use towels)	1	2		

	9578	Does this facility have a high dependency unit (HDU) different from those that have been assessed for service site conditions? IF YES, GO TO THE HDU. IF THERE ARE MORE THAN ONE HDU'S RANDOMLY SELECT ONE FOR ASSESSMENT	YES.....1 NO 2	➔KEN9574

39.1	9579	INDICATE IF THE FOLLOWING WAS OBSERVED IN THE UNIT	YES	NO	NOT APPLICABLE	
39.1	01	FLOOR: SWEPT, NO OBVIOUS DIRT OR WASTE	1	2		
39.1	02	COUNTERS/TABLES/CHAIRS: WIPED CLEAN- NO OBVIOUS DUST OR WASTE	1	2		
39.1	03	NEEDLES, SHARPS BOX MORE THAN ¾ FULL, OR ANY USED NEEDLES/SHARPS OUTSIDE THE BOX	1	2		
39.1	04	SHARPS BOX TORN/PIERCED	1	2		
39.1	05	BANDAGES/INFECTIOUS WASTE LYING UNCOVERED	1	2		
39.1	06	WERE ALL STAFF WEARING APPROPRIATE UNIFORMS IN THIS UNIT?	1	2		
39.1	07	WERE STAFF WEARING NAME TAGS IN THIS UNIT?	1	2		
39.1	08	WERE NON-SMOKING SIGNS OBSERVED IN THIS UNIT?	1	2		
39.1	09	IS THE PATIENT TOILET CLEAN WITH NO FAECAL MATERIAL OR BLOOD ON THE TOILET, FLOOR, OR WALLS?	1	2	5	
39.1	10	Functioning hand hygiene stations (that is, alcohol-based handrub solution or soap and water with a basin/pan and clean single-use towels)	1	2		

	KEN9574	Is there a burn unit in this facility?	YES ..... 1 NO 2	➔END

39.1	KEN9575	INDICATE IF THE FOLLOWING WAS OBSERVED IN THE UNIT	YES	NO	NOT APPLICABLE	
39.1	01	FLOOR: SWEPT, NO OBVIOUS DIRT OR WASTE	1	2		
39.1	02	COUNTERS/TABLES/CHAIRS: WIPED CLEAN- NO OBVIOUS DUST OR WASTE	1	2		

39.1	03	NEEDLES, SHARPS BOX MORE THAN ¾ FULL, OR ANY USED NEEDLES/SHARPS OUTSIDE THE BOX	1	2		
39.1	04	SHARPS BOX TORN/PIERCED	1	2		
39.1	05	BANDAGES/INFECTIOUS WASTE LYING UNCOVERED	1	2		
39.1	06	WERE ALL STAFF WEARING APPROPRIATE UNIFORMS IN THIS UNIT?	1	2		
39.1	07	WERE STAFF WEARING NAME TAGS IN THIS UNIT?	1	2		
39.1	08	WERE NON-SMOKING SIGNS OBSERVED IN THIS UNIT?	1	2		
39.1	09	IS THE PATIENT TOILET CLEAN WITH NO FAECAL MATERIAL OR BLOOD ON THE TOILET, FLOOR, OR WALLS?	1	2	5	
39.1	10	Functioning hand hygiene stations (that is, alcohol-based handrub solution or soap and water with a basin/pan and clean single-use towels)	1	2		

27 LABORATORY

27.1. LABORATORY ORGANIZATION AND SYSTEMS

6100	Does this facility conduct any diagnostic testing of specimens using either laboratory equipment or rapid diagnostic tests?	YES ..... 1 NO 2	➔6000
	A. STAFF		
6101	Does this facility have an accredited/certified microscopist?	YES..... 1 NO 2	

ASK TO BE SHOWN THE MAIN LABORATORY OR LOCATION IN THE FACILITY WHERE MOST TESTING IS DONE TO START DATA COLLECTION. INTRODUCE YOURSELF AND EXPLAIN:

The in-charge has agreed that this facility can participate in this national survey of facilities with inpatient services that is being conducted by the Ministry of Health. I am interested in learning about any diagnostic tests conducted by this facility or of tests where the facility collects specimens that are sent elsewhere for testing where the result are returned to this facility for use. The questions I ask may apply to a special laboratory service area, or sometimes may refer to service sites where diagnostic test are conducted or where specimen are collected and sent outside the facility for testing.

	C. POWER		
6230	Is there electricity in this service area that is functioning now? IF YES, VERIFY ELECTRICITY IS FUNCTIONAL.	YES, OBSERVED .....1 NO, NOT TODAY .....2 NO, NEVER HAVE ELECTRICITY 3	➔6270
6231	Does the laboratory have a back-up source of power when the main power is not functioning?	YES.....1 NO 2	
6233	At any time during the past 7 days has the power for the laboratory been off for more than 2 hours at a time?	YES.....1 NO 2	

27.2 LABORATORY TESTS AND SERVICE CONDITIONS

ASSESS IF THE FOLLOWING ITEMS ARE IN REASONABLE PROXIMITY TO THAT SITE SUCH THAT PROVIDERS THERE COULD REASONABLY EXPECT TO USE THE ITEMS. I would like to ask about different items for infection prevention and control for laboratory services and to observe which items are available.

IF THERE IS MORE THAN ONE SITE SPECIFIC FOR LABORATORY TESTING OR IF THERE IS NOT A LABORATORY, ASSESS THE SITE WHERE MOST HAEMATOLOGY TESTS SUCH AS HIV TESTS ARE CONDUCTED.

A. INFECTION PREVENTION AND CONTROL

6270	ITEM	OBSERVED	REPORTED, NOT SEEN	NOT AVAILABLE	
01 [S]	Clean running water (piped, bucket with tap, or pour pitcher)	1	2	3	
02 [S]	Soap (bar or liquid) for hand hygiene	1	2	3	
03 [S]	Alcohol based handrub	1	2	3	
04	Poster reminding staff about hand hygiene or showing good hand hygiene techniques	1	2	3	
05	Disposable paper towels for drying hands	1	2	3	
06 [S]	Disposable latex gloves (nonsterile)	1	2	3	
07	Disposable latex gloves (sterile)	1	2	3	

	08 S	Waste receptacle bin with lid and plastic bin liner clearly marked, for example, by label or colour, for potentially infectious non-sharp waste	1	2 10	3 10	
	09 S	Does the waste receptacle for potentially infectious non-sharp waste have a functional foot pedal to open it?	1	2	3	
	10	Waste receptacle bin with lid and plastic bin liner clearly marked, for example, by label or colour, for biological waste	1	2 12	3 12	
	11	Does the waste receptacle for biological waste have a functional foot pedal to open it?	1	2	3	
	12 S	Safety box (for sharps)	1	2	3	
	13 S	Environnemental disinfectant (e.g., chlorine, alcohol)	1	2	3	
	14 S	Disposable syringes with disposable needles	1	2	3	
	15 S	Auto-disable syringes	1	2	3	
	16	Surgical/respiratory masks	1	2	3	
	17	N95 face masks	1	2	3	
	18	Non-sterile protective gowns	1	2	3	
	19	Sterile gowns	1	2	3	
	20	Aprons	1	2	3	
	21	Eye protection (goggles, face shields)	1	2	3	
	22	Gumboots or clogs	1	2	3	
	23	Hair cover	1	2	3	
	KEN24	Safety hood	1	2	3	
	KEN25	Functional autoclave or dry heater for decontaminating hazardous waste	1	2	3	

B. AVAILABILITY OF RAPID TESTS

	TEST		(a) AVAILABILITY					(b)	
			OBSERVED AVAILABLE		NOT OBSERVED			STOCK OUT IN THE PAST 3 MONTHS	
			AT LEAST ONE NOT EXPIRED	AVAILABLE BUT EXPIRED	REPORTED AVAILABLE BUT NOT SEEN	USUALLY AVAILABLE BUT NOT TODAY	NEVER AVAILABLE	YES	NO
	6271	Malaria rapid diagnostic test	1➔b	2➔6274	3➔b	4➔6274	5➔6274	1	2
	6274 01	HIV rapid test	1➔b	2➔02	3➔b	4➔02	5➔02	1	2
	02	Syphilis rapid test	1➔b	2➔03	3➔b	4➔03	5➔03	1	2
	03	Urine rapid tests for pregnancy	1➔b	2➔KEN04	3➔b	4➔KEN04	5➔KEN04	1	2
	KEN04	Urine dipstick 3	1➔b	2➔KEN05	3➔b	4➔KEN05	5➔KEN05	1	2
	KEN05	Urine dipstick 9	1➔b	2➔07	3➔b	4➔07	5➔07	1	2
	07	Dry Blood Spot (DBS) collection for HIV viral load or EID	1➔b	2➔10	3➔b	4➔10	5➔10	1	2
	10	Stool guaiac test (for blood)	1➔b	2➔11	3➔b	4➔11	5➔11	1	2
	11	Hemoglobin A1C rapid test for average level of blood sugar over the past 2 to 3 months	1➔b	2➔12	3➔b	4➔12	5➔12	1	2
	12	Kato Katz kits (for helminth)	1➔b	2➔13	3➔b	4➔13	5➔13	1	2
	13	Filariasis test strip (FTS)	1➔b	2➔14	3➔b	4➔14	5➔14	1	2
	14	Dengue rapid test	1➔b	2➔15	3➔b	4➔15	5➔15	1	2
	15	Visceral leishmaniasis rapid test	1➔b	2➔6279	3➔b	4➔6279	5➔6279	1	2

		TEST AND ITEMS NECESSARY FOR CONDUCTING THE TEST	(A) TEST USUALLY AVAILABLE		(B) AVAILABILITY				(C) GAP IN AVAILABILITY IN PAST 3M	
			YES	NO	YES					
			ONSITE	NEVER AVAILABLE	OBSERVED, FUNCTIONAL/VALID	REPORTED, (NOT SEEN) FUNCTIONAL/VALID	NOT FUNCTIONAL/NOT VALID	NOT AVAILABLE TODAY	YES	NO
	6279	Hand held test for anemia	1	3➔6280						

	01	Colorimeter or haemoglobinometer				1➔c	2➔c	3➔02	4➔02	1	2
	02	HemoCue				1➔c	2➔c	3➔6280	4➔6280	1	2
	6280	Rapid test for glucose	1		3➔6281						
	01	Glucometer				1➔c	2➔c	3➔6281	4➔02	1	2
	02	Glucometer test strips/discs (with valid expiration date)				1➔c	2➔c	3➔6281	4➔6281	1	2

	6281	**Other than the rapid tests I just asked about, does this facility provide any other laboratory diagnostics either onsite or by sending the specimen offsite?**	**YES.....1** **NO 2**	**➔9671**

C. MULTIPURPOSE LABORATORY EQUIPMENT

		AVAILABILITY						
		OBSERVED AVAILABLE		**NOT OBSERVED**				
6282	**I would like to know if the following equipment items are available and, if relevant, functional today in this facility.**	**FUNCTIONAL**	**NOT FUNCTIONAL**	**REPORTED AVAILABLE AND FUNCTIONAL**	**USUALLY AVAILABLE BUT NOT TODAY**	**NEVER AVAILABLE**		
01	Light microscope	1	2	3	4	5		
02	Glass slides	1		3	4	5		
03	Cover slips for glass slides	1		3	4	5		
09	Centrifuge for plasma and urine separation	1	2	3	4	5		
12 [S]	Incubator (37 degrees C)	1	2	3	4	5		
13	Agar plates for culture	1		3	4	5		
16 [S]	Vortex mixer	1	2	3	4	5		
17	Rocker/shaker	1	2	3	4	5		

D. OTHER DIAGNOSTIC TESTS

Now I would like to know if the following tests are available either onsite at any location in this facility or if specimens are sent offsite for the test to be conducted. If the test in conducted onsite, I will ask you about the availability and functionality of the associated equipment and supplies.

	TEST AND ITEMS NECESSARY FOR CONDUCTING THE TEST	(A) TEST USUALLY AVAILABLE			(B) AVAILABILITY				(C) GAP IN AVAILABILITY IN PAST 3M	
		YES		NO	YES					
		ONSITE	OFFISTE (SPECIMEN SENT)	NE-VER AVAIL A-BLE	OBSERVED, FUNCTIONAL/ VALID	REPORTED, (NOT SEEN) FUNCTIONAL/VALID	NOT FUNCTIONAL/ NOT VALID	NOT AVAILABLE TODAY	YES	NO
6301 01	Any tests of blood white and red blood cells	1	2 ➔6302	3 ➔6302						

	02	Haematology analyser				1	2	3	4		
	03	Other tests for full blood count with differential	1	2→06	3→06						
	04	Stains for full blood count and differential				1	2	3	4		
	05	White blood counting chamber				1	2	3	4		
	06	Other tests for anemia	1	2→08	3→08						
	07	Pack cell volume (Centrifuge and pipettes for haematocrit)				1	2	3	4		
	08	Blood coagulation profile	1	2 →6302	3 →6302						
	09	Blood coagulation analyser (PT/PTT)				1	2	3	4		
	6302 01	Any blood chemistry tests	1	2 →6303	3 →6303						
	02	Blood chemistry analyser				1	2	3	4		
	03	Assay kit(s)- liver function test including ALT				1	2	3	4		
	04	Assay kit(s)- renal function test including creatinine and urea nitrogen				1	2	3	4		
	05	Assay kit- serum electrolytes				1	2	3	4		
	06	Any other test for bilirubin	1	2→07	3→07	1	2	3	4		
	07	Assay kit/ reagents for measuring lipase				1	2	3	4		
	6303 01	Any EIA/ELISA testing	1	2 →6304	3 →6304						
	02	EIA/ELISA washer				1	2	3	4		
	03	EIA/ELISA reader				1	2	3	4		
	04	Assay kit- HIV antibody testing by EIA/ELISA				1	2	3	4		
	05	Schistosomiasis serology using FAST-ELISA				1	2	3	4		
	06	Serological test (ELISA IgG or IgM)				1	2	3	4		
	6304	Molecular biological	1	2 →6305	3 →630						

	01	technique (PCR)			5						
	02	PCR for HIV viral load or HIV early-infant diagnosis (PCR)				1	2	3	4		
	03	PCR for visceral leishmaniasis				1	2	3	4		
	04	PCR for dengue				1	2	3	4		
	6305 01	CD4 count (absolute and percentage)	1	2 →6306	3 →6306						
	02	CD4 counter				1	2	3	4		
	03	Specific assay kit-CD4 test				1	2	3	4		
	6306 01	Other non-trepenomal blood tests for syphilis	1	2 →6307	3 →6307						
	02	Assay kit- syphilis serology (RPR)				1	2	3	4		
	03	VDRL test kit				1	2	3	4		
	04	Treponemal specific tests (FTA-Abs)				1	2	3	4		
	6307 01	Tuberculosis diagnostic testing	1	2 →6308	3 →6308						
	02	Ziehl-Neelsen testing for TB (AFB)	1	2→06	3→06						
	03	Fluorescence microscope (FM)				1	2	3	4		
	04	Ziehl-Neelsen stain				1	2	3	4		
	05	Auramine Rhodamine stain for fluorescent microscopy				1	2	3	4		
	06	Xpert MTB/RIF rapid diagnostic testing for TB	1	2 →6308	3 →6308						
	07	GeneXpert 4 module unit with laptop				1	2	3	4		
	08	GeneXpert 4 test cartridge				1	2	3	4		
	09	Cartridge for Ultra test				1	2	3	4		
	6308 01	Any microscopy	1	2 →6309	3 →6309						
	02	Wet mount microscopy				1	2	3	4		
	03	Urine microscopy				1	2	3	4		
	04	Microscopy for schistosomiasis				1	2	3	4		

	05	Microscopy (microfilaria)				1	2	3	4		
	6309 01	Malaria smears	1	2 →6310	3 →6310						
	02	Wright-Giemsa stain or other acceptable malaria parasite stain (e.g. Field Stain A and B)				1	2	3	4		
	6310	CSF body fluid counts	1	2	3						
	6311 01	Cryptococcal antigen testing	1	2 →6312	3 →6312						
	02	Specific assay kit – cryptococal antigen test				1	2	3	4		
	03	India ink stain preparation				1	2	3	4		
	6312 01	Gram stain testing	1	2 →6313	3 →6313						
	02	Stains for gram stain testing				1	2	3	4		
	6313 01	Culture and sensitivity	1	2 →6314	3 →6314						
	02	Media for antimicrobial sensitivity testing				1	2	3	4		
	03	Drug sensitivity discs for MDR TB (Rifampicin)				1	2	3	4		
	04	Blood cultures	1	2	3						
	6314 01	Blood gas measurement	1	2 →6315	3 →6315						
	02	Blood gas measurement equipment				1	2	3	4		
	6315 01	Cardiac marker (CK, Troponin) tests	1	2 →6316	3 →6316						
	02	Equipment for measuring cardiac markers				1	2	3	4		
148.5	6316 01	Other cancer specific tests	1	2 →6317	3 →6317						
148.5	02	Prostate specific antigen	1	2→03	3→03	1	2	3	4		
148.5	03	Carcinoembryonic antigen (CEA)	1	2→04	3→04	1	2	3	4		

148.5	04	Carbohydrate antigen 19-9 (CA19-9)	1	2 →6317	3 →6317	1	2	3	4		
	6317 01	Tissue biopsy	1	2 →6318	3 →6318						
	02	Biopsy test sample from colposcopy procedure	1	2→03	3→03	1	2	3	4		
	03	Materials for preparing sample for skin biopsy for Onchocerciasis	1	2 →6318	3 →6318	1	2	3	4		
	6318	Direct Agglutination Test (DAT) for VL	1	2 →6319	3 →6319	1	2	3	4		
	6319	HPV test (Cervista)	1	2 →6320	3 →6320	1→c	2→c	3 →6320	4 →6320	1	2
	6320	Hematoxylin and eosin (H&E stain) (for schisto, biopsy)	1	2 →6321	3 →6321	1→c	2→c	3 →6321	4 →6321	1	2
	6321	Acetic acid for PAP smear	1	2 →6330	3 →6330	1→c	2→c	3 →6330	4 →6330	1	2
	6330 01	Any blood group and serology tests?	1	2 →6350	3 →6350						
	02	ABO blood grouping testing	1	2	3						
	03	Rhesus blood grouping testing	1	2	3						
	04	Cross-match testing by direct agglutination	1	2	3	1→c	2→c	3 →05	4 →05	1	2
	05	Cross-match testing by indirect anti-globulin testing or other test with equivalent sensitivity	1	2	3	1→c	2→c	3 →06	4 →06	1	2
	06	ABO and RH grouping sera				1→c	2→c	3 →6350	4 →6350	1	2

		E. HISTOPATHOLOGY		
	6350	Does this facility have a histopathologist and/or a histopathology department?	YES ..... 1 NO 2	→9671
146	6351	Does this facility read PAP smears onsite and provide results?	YES ..... 1 NO 2	
146	6352	Has any staff responsible for reading PAP smears received training in this in the past two years?	YES ..... 1 NO 2	
	6353	Does this facility read the HPV result onsite and provide results?	YES ..... 1 NO 2	

148.5 410.4	6354	Does the laboratory have capacity to prepare and examine tissues or samples for diagnosis of cancer patients?	YES ..... 1 NO 2	
148.5 410.4	6355	Does the laboratory have a functional microtome for slicing tissues section samples? IF YES, ASK: May I see it?	YES, OBSERVED ..... 1 YES REPORTED, NOT SEEN ..... 2 NO 3	

61.1 LABORATORY QUALITY CONTROLS

686	9671	Is there an established external quality assessment mechanism for any of the laboratory tests conducted? IF YES, ASK: Is this a routine system?	YES, ROUTINE ..... 1 YES, NOT ROUTINE BUT SOMETIMES .... 2 NO 3	➔9676 ➔9676

			YES	NO	NOT APPLICABLE	
	9672	For which of the following tests does this facility have a system for routine external quality assessment checks?				
	01	HIV serology (e.g., ELISA)	1	2	5	
	02	Blood chemistries	1	2	5	
686	03	TB sputum test	1	2	5	
	04	CD4 testing	1	2	5	
	05	HIV rapid testing	1	2	5	
	06	Other_____ (SPECIFY)	1	2	5	

	9673	Which of the following methods are used for external quality assessments? RECORD EACH METHOD USED. IF RESPONSE VARIES BY TYPE OF TEST, INDICATE THE FREQUENCY FOR THE TEST WITH THE MOST FREQUENT PERIODICITY.				
		SYSTEM FOR EXTERNAL QUALITY CHECKS	(a) METHOD USED		(b) PERIODICITY	
			YES	NO		
31	01	Does an external supervisor come and periodically observe tests being conducted? IF YES, ASK: How often does an external supervisor come for routine observation of testing?	1➔b	2 ┐ 02 ┘	SUPERVISOR OBSERVES EVERY 1 MONTH ..... 1 2-3 MONTHS ..... 2 4-6 MONTHS ..... 3 LESS THAN EVERY 6 MONTHS ..... 4 NO FIXED PERIODICITY 5	
31	02	Proficiency panel	1➔b	2 ┐ 03 ┘	CHECK IS PERFORMED EVERY 1 MONTH ..... 1 2-3 MONTHS ..... 2 4-6 MONTHS ..... 3 LESS THAN EVERY 6 MONTHS ..... 4 NO FIXED PERIODICITY 5	
31	03	Send specimen outside for retesting	1➔b	2 ┐ 9674 ┘	SPECIMEN IS SENT EVERY 1 MONTH ..... 1 2-3 MONTHS ..... 2 4-6 MONTHS ..... 3 LESS THAN EVERY 6 MONTHS ..... 4 NO FIXED PERIODICITY 5	

	9674	Is there any other routine system for external quality checking? IF YES, ASK: Please describe the system. _____ _____	YES .....1 NO 2	
	9675	What proportion of tests are routinely rechecked?	NO TESTS RECHECKED.....000 PERCENTAGE OF TESTS RECHECKED: ☐☐☐ DON'T KNOW 998	
686	9676	Is the external quality control system part of the National External Quality Assurance (NEQA) program?	YES .....1 NO .....2 NO NATIONAL EQA PROGRAM 5	→9678 →9678
686	9677	Did the TB laboratory meet the NEQA criteria within the past 12 months?	YES .....1 NO .....2 NO TB SPUTUM TESTING 5	
	9678	Does this facility have external quality control mechanisms for HIV RDT test results?	YES ..... 1 NO ..... 2 DOES NOT USE HIV RAPID TEST..... 5	→9680 →6000
	9679	What was the concordance for the most recent external quality control?	PERCENTAGE ☐☐☐ DON'T KNOW 998	
	9680	Does this facility routinely test the quality of the HIV RDT test kit? IF YES, CLARIFY WHERE THE TESTING TAKES PLACE	YES .....1 NO .....2 DOES NOT USE HIV RAPID TEST 5	

26 BLOOD TRANSFUSION

Number		Question	Result	Skip
		I would like to ask about blood transfusion resources and services available in this facility. ASK TO SPEAK WITH THE PERSON MOST KNOWLEDGEABLE ABOUT BLOOD TRANSFUSION SERVICES IN THE FACILITY. INTRODUCE YOURSELF, EXPLAIN: The in-charge has agreed that this facility can participate in this national survey of facilities with inpatient services that is being conducted by the Ministry of Health. I am interested in learning about the blood transfusion services available in this facility.		
83.1	6000	Does this facility offer blood transfusion services?	YES ..... 1 NO 2	→END
	ASK TO BE SHOWN THE LOCATION IN THE FACILITY WHERE BLOOD IS COLLECTED, PROCESSED, TESTED, STORED, OR HANDLED PRIOR TO TRANSFUSION. FIND THE PERSON MOST KNOWLEDGEABLE ABOUT BLOOD TRANSFUSION SERVICES IN THE FACILITY. INTRODUCE YOURSELF, EXPLAIN THE PURPOSE OF THE SURVEY AND ASK THE FOLLOWING QUESTIONS.			
	6003 [S]	**Have there been any interruptions in availability of blood for transfusion during the past 3 months?**	**YES..... 1** **NO 2**	
	6004 [S]	Does this facility obtain blood for transfusion from a national or regional blood centre or blood bank?	YES ..... 1 NO 2	

	6005 S	Does this facility obtain <u>any</u> blood from sources other than the national or regional blood centre?	YES ..... 1 NO 2	➔9610
	6008 S	Does this facility screen blood for infectious diseases prior to transfusion?	YES ..... 1 NO 2	➔9610
	6009 S	Please tell me if the blood that is transfused in the facility is "always", "sometimes", "rarely", or "never" screened for any of the following infectious diseases.		

		BLOOD SCREENING TEST PERFORMED	ALWAYS	SOMETIMES	RARELY	NEVER	
	01 S	HIV	1	2	3	4	
	02 S	Syphilis	1	2	3	4	
	03 S	Hepatitis B	1	2	3	4	
	04	Hepatitis C	1	2	3	4	
	KEN05	Malaria	1	2	3	4	

	B. BLOOD STORAGE			
83.1	9610	Does this facility ever store blood for blood transfusion services? IF YES, ASK TO GO TO WHERE BLOOD IS STORED	YES ..... 1 NO 2	➔END
	9611	Does this facility have a refrigerator available and functioning in this service area for the storage of blood? IF YES, CLARIFY THE AVAILABILITY AND FUNCTIONAL STATUS	AVAILABLE AND FUNCTIONAL ..... 1 AVAILABLE AND NOT FUNCTIONAL .. 2 AVAILABLE DON'T KNOW IF FUNCTIONING ..... 3 NOT AVAILABLE 4	➔END

			a) AVAILABLE		b) FUNCTIONING		
	9612	Which of the following devices for monitoring refrigerator temperature are available and functioning in the refrigerator today: ASK TO SEE THE ITEMS	YES	NO	YES	NO	DON'T KNOW
152.1	01 S	Thermometer	1 → b	2 ↵ 02	1 ↵ 9613	2	8
152.1	02 S	Continuous temperature recorder/logger	1 → b	2 ↵ END	1	2 ↵ END	8 ↵ END

	9613	Is the temperature of the refrigerator monitored at least once every 24 hours? IF YES, PLEASE ASK TO SEE THE LOG USED TO RECORD THE TEMPERATURE	YES, LOG OBSERVED ..... 1 YES, CONTINUOUS MONITORING .... 2 YES, LOG REPORTED NOT SEEN ..... 3 NO 4	➔9616 ➔9616
	9614	Has the temperature log been completed for the last 30 days? PLEASE REVIEW THE LOG AND CHECK FOR COMPLETENESS (TEMPERATURE RECORDED AT LEAST ONCE EVERY 24 HOURS DURING THE LAST 30 DAYS)	YES, FULLY COMPLETE ..... 1 NO, AT LEAST ONE DAY NOT COMPLETED 2	➔9616

	9615	Has the temperature been out of the range 1 to 6 °C inclusive in the last 30 days? PLEASE CHECK THE TEMPERATURE RECORD AND VERIFY THE TEMPERATURE FOR THE LAST 30 WORKING DAYS IN ORDER TO ANSWER THE QUESTION.	NEVER OUT OF RANGE.....1 OUT OF RANGE AT LEAST ONCE.....2	
	9616	What is the temperature in the fridge now?	BETWEEN 1-6 DEGREES C (INCLUSIVE) 1 OUT OF RANGE ..... 2 DON'T KNOW 8	

	21 DELIVERY AND NEWBORN CARE SERVICES			
	21.1 DELIVERY SERVICES			
	4500	ASK TO SPEAK WITH THE PERSON MOST KNOWLEDGEABLE ABOUT DELIVERY SERVICES IN THE FACILITY. INTRODUCE YOURSELF, EXPLAIN: The in-charge has agreed that this facility can participate in this national survey of facilities with inpatient services that is being conducted by the Ministry of Health. I am interested in learning about the delivery services available in this facility. First, I will be asking about practices and staffing and then I would like to go into the delivery room to assess equipment and supplies.		
102 80		Does this facility offer delivery services?	YES .....1 NO.....2	➔END
80	4501	Does the facility offer basic emergency obstetric care (BEmOC)?	YES .....1 NO.....2	
80	4502	Does the facility offer comprehensive emergency obstetric care (CEmOC)?	YES .....1 NO.....2	
	4503	Are delivery and newborn care services offered in the outpatient or inpatient service area?	OUTPATIENT.....1 INPATIENT ..... 2 BOTH OUT AND INPATIENT AREAS..... 3	
	A. SERVICE AVAILABILITY AND STAFFING			
80.1	4504	Does the facility provide 24-hour coverage for delivery services? IF YES, ASK: Is a person skilled in conducting deliveries present at the facility or on-Call in near proximity 24 hours a day, including weekends, to provide delivery care? IF YES, INDICATE WHICH RESPONSE BEST REFLECTS THE NORMAL SITUATION	YES, 24 HOURS ONSITE..... 1 YES, NOT 24 HOURS ONSITE, BUT 24 HOURS ON-CALL ..... 2 NO 24-HOUR COVERAGE..... 3	
	B. ROUTINE DELIVERY AND IMMEDIATE POSTNATAL NEWBORN CARE PRACTICES			
	4510	Please tell me if any of the following are routine practices for deliveries in this facility.		
		ROUTINE DELIVERY PRACTICE	YES	NO
80.1	01	Active management of third stage labour (AMTSL) including oxytocin within one minute after delivery, controlled cord traction, and fundal massage after delivery of placenta?	1➔03	2
80.1	02	Administration of oxytocin immediately after birth to all women for the prevention of postpartum haemorrhage?	1	2
80.1	03	Monitor and manage labour using a partograph	1	2
	4511	Now I want to know about routine practices in this facility for newborn care immediately postpartum. For each practice I mention, please tell me If this is a routine practice that is expected to be implemented for all newborns in this facility.		
		ROUTINE NEWBORN CARE PRACTICES	YES	NO
102.1	01	Hygienic cord care (cut with sterile item and apply chlorhexidine to tip and stump, and no application of other substance)	1	2
102.1	02	Thermal protection (drying baby immediately after birth and wrapping)	1	2
	03	Immediate skin to skin contact	1	2
	04	Delayed cord clamping	1	2
102.1	05	Immediately putting the newborn to the breast and counselling on exclusive breastfeeding	1➔07	2
	06	Initiate breast feeding within 1 hour postpartum	1	2
102.1	07	Rooming in (i.e., the newborn stays with the mother)	1	2

	C MANAGEMENT OF COMPLICATED DELIVERIES					
	4515	Please tell me if any of the following interventions for the management of complications during and after pregnancy and childbirth have been carried out in the last 12 months by providers of delivery services as part of their work in this facility. IF NOT WITHIN THE LAST 12 MONTHS ASK: is this because the service is not offered or because there were not cases requiring the service?				
		DELIVERY INTERVENTION	YES	**NO**		
				SERVICE NOT OFFER-ED	TRAINED STAFF BUT NO CASES	
	01	Parenteral administration of antibiotics (IV or IM) for mothers?	1	2	5	
	02	Parenteral administration of oxytocic for treatment of postpartum haemorrhage (IV or IM)	1	2	5	
	03	Parenteral administration of magnesium sulphate for management of preeclampsia and eclampsia (IV or IM)	1	2	5	
	04	Assisted vaginal delivery using manual vacuum extraction (MVE) or forceps	1	2	5	
	05	Manual removal of placenta	1	2	5	
	06	Removal of retained products of conception using D&C or manual vacuum aspiration	1	2	5	
	07	Neonatal resuscitation with bag and mask	1	2	5	
	08	Caesarean section	1	2	5	
82	09	Blood transfusion	1	2	5	
103	4516	Does this facility administer antibiotics for pre-term or prolonged PROM (premature rupture of membranes) to prevent infection?	YES ..... 1 NO 2			
103	4520	Does this facility administer corticosteroids for pre-term labour	YES ..... 1 NO 2			
	4525	Does this facility provide any PMTCT services for women who deliver in the facility?	YES ..... 1 NO 2			➔4560
103	4526	Which of the following are routinely provided as part of PMTCT services during delivery?	YES	NO		
75.2 103	01	Assess maternal HIV status	1	2		
75.2 103	02	Perform HIV test if status is not known	1	2		
75.2 103	03	Provide maternal ARV to infected mothers for PMTCT if they are not on life-long ART	1	2		
75.2 103	04	Provide ARV to newborns of infected mothers for PMTCT	1	2		

	E. DELIVERY ROOM EQUIPMENT, SUPPLIES, INFRASTRUCTURE					
		STANDARD PRECAUTIONS FOR INFECTION PREVENTION				
	4560	Now I would like to go to where deliveries are conducted. I am interested in knowing if the following resources and supplies used for infection control are available in the delivery service area or are in reasonable proximity that they can be easily used by providers for maternity patients.				
		ITEM	OBSERVED	REPORTED, NOT SEEN	NOT AVAILABLE	
81.1 104.1	01	Clean running water (piped, bucket with tap, or pour pitcher)	1	2	3	
81.1 104.1	02	Soap (bar or liquid) for hand hygiene	1	2	3	

81.1 104.1	03	Alcohol based hand rub/hand sanitizer	1	2	3	
	04	Poster reminding staff about hand hygiene or showing good hand hygiene techniques	1	2	3	
	05	Disposable paper towels for drying hands	1	2	3	
	06	Disposable latex gloves (nonsterile)	1	2	3	
	07	Disposable latex gloves (sterile)	1	2	3	
	08	Waste receptacle bin with lid and plastic bin liner clearly marked, for example, by label or colour, for potentially infectious non-sharp waste	1	2➔10	3➔10	
	09	Does the waste receptacle for potentially infectious non-sharp waste have a functional foot pedal to open it?	1	3	3	
	10	Waste receptacle bin with lid and plastic bin liner clearly marked, for example, by label or colour, for biological waste	1	2➔12	3➔12	
	11	Does the waste receptacle for biological waste have a functional foot pedal to open it?	1	2	3	
	12	Safety box (for sharps)	1	2	3	
	13	Environmental disinfectant (e.g., chlorine, alcohol)	1	2	3	
	14	Disposable syringes with disposable needles	1	2	3	
	15	Auto-disable syringes	1	2	3	
	16	Surgical/respiratory masks	1	2	3	
	18	Non-sterile protective gowns	1	2	3	
	19	Sterile protective gowns	1	2	3	

EQUIPMENT FOR DELIVERY

4562 Now I would like to ask about equipment for delivery services. For each item that I ask about, please show me the item and when relevant, tell me if it is functioning or not.

TO COUNT AS PRESENT ITEM MUST BE IN THE DELIVERY SERVICE AREA OR IMMEDIATE PROXIMITY SUCH THAT A PROVIDER COULD REASONABLY BE EXPECTED TO USE IT.

		ITEM	A) AVAILABLE			B) FUNCTIONING		
		IF ITEM 07-11 IS IN STERILE DELIVERY PACK, MARK DELIVERY PACK AND MARK REPORTED, NOT SEEN FOR ITEMS	OBSERVED	REPORTED NOT SEEN	NOT AVAILABLE	YES	NO	DON'T KNOW
81.1	01 S	Blank partograph	1	2	3			
81.1	02 S	Delivery bed	1➔b	2➔b	3➔03	1	2	8
	03 S	Disposable non-sterile latex gloves	1	2	3			
	04	Disposable sterile latex gloves	1	2	3			
	05 S	Examination light (flashlight ok)	1 ➔b	2 ➔ b	3➔06	1	2	8
	06 S	Is the Delivery pack available? If yes, then tick what is available PLEASE ASK IF EACH OF ITEMS 7 TO 11 IS INCLUDED IN THE DELIVERY PACK. IF I THEY ARE IN THE PACK AND IT IS SEALED, MARK THE ITEMS AS "REPORTED, NOT SEEN". IF THE ITEM CAN BE OBSERVED (EITHER FROM A USED PACK OR BECAUSE IT IS OUTSIDE THE PACK) MARK IT AS "OBSERVED"	1	2	3			
	07 S	Cord clamp	1 ➔b	2 ➔ b	3➔08	1	2	8
	08 S	Episiotomy scissors	1 ➔b	2 ➔ b	3➔09	1	2	8
	09 S	Scissors or blade to cut cord	1 ➔b	2 ➔ b	3➔10	1	2	8

		EQUIPMENT FOR DELIVERY							
	4562	Now I would like to ask about equipment for delivery services. For each item that I ask about, please show me the item and when relevant, tell me if it is functioning or not. TO COUNT AS PRESENT <u>ITEM MUST BE IN THE DELIVERY SERVICE AREA OR IMMEDIATE PROXIMITY</u> SUCH THAT A PROVIDER COULD REASONABLY BE EXPECTED TO USE IT.							
		ITEM IF ITEM 07-11 IS IN STERILE DELIVERY PACK, MARK DELIVERY PACK AND MARK REPORTED, NOT SEEN FOR ITEMS	A) AVAILABLE			B) FUNCTIONING			
			OBSERVED	REPORTED NOT SEEN	NOT AVAILABLE	YES	NO	DON'T KNOW	
	10 S	Suture material with needle	1	2	3				
	11 S	Needle holder	1 → b	2 → b	3 → 12	1	2	8	
	12 S	Manual vacuum extractor	1 → b	2 → b	3 → 13	1	2	8	
	13	Forceps for outlet application	1 → b	2 → b	3 → 14	1	2	8	
	14 S	Manual Vacuum aspirator	1 → b	2 → b	3 → 15	1	2	8	
	15 S	D&C Kit	1 → b	2 → b	3 → 16	1	2	8	
	16 S	Speculum	1 → b	2 → b	3 → 17	3	2	8	
	17	Pulse oximeter	1 → b	2 → b	3 → 18	1	2	8	
	18 S	Blood pressure apparatus	1 → b	2 → b	3 → 19	1	2	8	
	19	Fetal stethoscope	1 → b	2 → b	3 → 21	1	2	8	
	21 S	Infant scale (with 100 gram gradation)	1 → b	2 → b	3 → 23	1	2	8	
	23 S	Resuscitation table (with heat source) (for newborn resuscitation)	1 → b	2 → b	3 → 24	1	2	8	
	24 S	Incubator [ANYWHERE IN FACILITY]	1 → b	2 → b	3 → 25	1	2	8	
81.1 **104.1**	25 S	Electric or manual suction machine	1 → b	2 → b	3 → 26	1	2	8	
81.1 **104.1**	26 S	Suction catheter (for suction apparatus) for suctioning newborn	1 → b	2 → b	3 → 27	1	2	8	
81.1 **104.1**	27 S	Suction bulb (single use)	1 → b	2 → b	3 → 28	1	2	8	
81.1 **104.1**	28 S	Suction bulb (sterilizable multi-use)	1 → b	2 → b	3 → 30	1	2	8	
	30	Self-inflating bag and mask for resuscitation- <u>adult</u>	1 → b	2 → b	3 → 31	1	2	8	
81.1 **104.1**	31 S	Newborn bag and mask size 0 for resuscitation of pre-term babies	1 → b	2 → b	3 → 33	1	2 → 33	8 → 33	
	32	At any time during the past 1 month has the newborn bag and mask for pre-term babies been unavailable for this unit for any reason?				1	2		
81.1 **104.1**	33 S	Newborn bag and mask size 1 for resuscitation of term babies	1 → b	2 → b	3 → 4564	1	2 → 4564	8 → 4564	

81.2	4563	At any time during the past 3 month has the newborn bag and mask for term babies been unavailable for this unit for any reason?	YES within the past 1 month .....1 YES within the past 2-3 months.....2 NO 3	→4564
42.2 400 81.1	**4564**	**Now I would like to know about the availability of oxygen for patients in this unit. Does this unit ever provide oxygen to patients?**	**YES ..... 1 NO 2**	**→4570**
45	4565	Is there any oxygen currently in the unit?	YES ..... 1 NO 2	→4568
	4566	Is oxygen called for from a central location if needed? IF YES ASK, How is oxygen supplied when needed?	YES, OXYGEN TANK/CYLINDER ..... 1 YES, OXYGEN CONCENTRATOR..... 2 YES, BOTH TANK AND CONCENTRATOR ..... 3 NO 4	→4569 →4569 →4569 →4570

	4568	Now I would like to see the following items and to know if they are functional or not.						
	4568	GENERAL OXYGEN EQUIPMENT	A) AVAILABLE IN GENERAL OUTPATIENT SERVICE AREA			B) FUNCTIONING		
			OBSERVED	REPORTED NOT SEEN	NOT AVAILA-BLE	YES	NO	DON'T KNOW
	01 S	Central/piped oxygen supply	1 → b	2 → b	3→02	1	2	8
	02	Oxygen concentrator	1 → b	2 → b	3→03	1	2	8
	03	Oxygen tank/cylinder with attached pressure gauge, pressure regulator	1 → b	2 → b	3→04	1	2	8
	04	Flowmeter for oxygen source, with gradations in ml	1 → b	2 → b	3→05	1	2	8
	05	Humidifier	1 → b	2 → b	3→06	1	2	8
	06	Oxygen delivery apparatus (key connecting tubes and mask/nasal prongs)	1 → b	2 → b	3→07	1	2	8
	07	Pediatric-sized oxygen delivery apparatus (key connecting tubes and mask/nasal prongs)	1 → b	2 → b	3→4570	1	2→4570	8→4570

	4569	At any time during the past 3 months has oxygen been unavailable for this unit for any reason?	YES .....1 NO 2	
		DRUGS FOR DELIVERY SERVICES		
	4570	Does this facility stock any drugs for obstetric care and delivery services in this service site?	YES ..... 1 NO 2	→4600
	4571 S	Please tell me if any of the following drugs are available <u>in the delivery service area.</u> If the drug is available, I would like to see it. CHECK TO SEE IF AT LEAST ONE OF EACH ITEM IS VALID (NOT EXPIRED). DO NOT GO TO A PHARMACY OUTSIDE OF THE DELIVERY SERVICE AREA TO ASSESS THESE ITEMS.		

			(a)					(b)	
			AVAILABILITY					Any stockout in the last 3 months?	
			OBSERVED		NOT OBSERVED			OBSERVED	
		MEDICINES	AT LEAST ONE NOT EXPIRED	AVAILABLE BUT EXPIRED	REPORTED AVAILABLE BUT NOT SEEN	NOT AVAILABLE TODAY	NEVER AVAILABLE	YES	NO
104.1 81.1	01 S	Antibiotic eye ointment for newborn	1	2	3	4	5		
81.1	13 S	Magnesium sulphate injection	1→b	2 ↵14	3→b	4 ↵14	5 ↵14	1	2

105.1 81.1	14[S]	Betamethasone injection	1➔b	2➔15	3➔b	4➔15	5➔15	1	2
105.1 81.1	15[S]	Dexamethasone injection	1➔b	2➔16	3➔b	4➔16	5➔16	1	2
81.1	16[S]	Intravenous infusion set	1	2	3	4	5		
81.1	17[S]	Dextrose and water 5% (D5W) intravenous solution	1	2	3	4	5		
81.1	18	Sodium Chloride (.09NS) intravenous solution	1	2	3	4	5		
81.1	19[S]	Other plasma expander such as Ringers Lactate (RL)	1	2	3	4	5		
81.1	22[S]	Skin disinfectant	1	2	3	4	5		
81.1	25	Misoprostol tablet[2] 200mcg	1➔b	2➔26	3➔b	4➔26	5➔26	1	2
81.1	26[S]	Oxytocin injection	1➔b	2➔4450	3➔b	4➔4450	5➔4450	1	2
	4572	Is the oxytocin stored in cold storage?			YES ..... 1 NO 2				

	20.7. POST ABORTION CARE (PAC)			
140	4450	Does this facility offer post-abortion care (PAC)? IF YES, ASK: Is the service provided as an outpatient service, inpatient service, or both?	YES, OUTPATIENT ..... 1 YES, INPATIENT ..... 2 YES, BOTH OUT AND INPATIENT ..... 3 NO 4	➔4600
	4451	Is the post abortion care provided in the same service area as deliveries?	YES, ALWAYS ..... 1 YES, SOMETIMES ..... 2 NO 3	➔K4453
	ASK TO GO TO THE AREA WHERE POST ABORTION CARE SERVICES ARE PROVIDED. IF THE SERVICES ARE PROVIDED BOTH IN AND OUTPATIENT AND ARE PROVIDED BY DIFFERENT SERVICE PROVIDERS AND IN DIFFERENT SITES, GO TO THE OUTPATIENT PAC SERVICE AREA. FIND THE PERSON MOST FAMILIAR WITH THE SERVICE AND EXPLAIN THAT YOU WANT TO KNOW ABOUT RESOURCES AVAILABLE FOR POST ABORTION CARE			
	4452	I would like to ask about equipment for post abortion services when provided outside of the delivery service area. For each item that I ask about, please show me the item and when relevant, tell me if it is functioning or not. TO COUNT AS PRESENT ITEM MUST BE IN THE SERVICE AREA FOR PAC OR IMMEDIATE PROXIMITY SUCH THAT A PROVIDER COULD BE REASONABLY BE EXPECTED TO USE IT.		

		ITEM	a) AVAILABLE			b) FUNCTIONING		
			OBSERVED	REPORTED NOT SEEN	NOT AVAILABLE	YES	NO	DON'T KNOW
141.1	01	Vacuum aspirator (MVA kit)	1 ➔ b	1 ➔ b	3➔02	1	2	8
141.1	02	D&C Kit	1 ➔ b	1 ➔ b	3➔03	1	2	8
141.1	03	Speculum	1 ➔ b	1 ➔ b	3➔04	1	2	8
141.1	04	Antiseptic for washing vagina and cervix (e.g., chlorhexidine)	1	2	3			
141.1	05	Sterile gloves	1	2	3			

	KEN4453	Is counselling a routine component of PAC? IF YES, ASK FOR EACH OF THE FOLLOWING COUNSELLING TOPICS	YES ..... 1 NO 2	➔4600

	KEN4454	Which of the following counselling topics are routine components of PAC services?	ROUTINE	NOT ROUTINE
	01	Issues related to events leading to need for PAC	1	2
	02	Prevention of unwanted pregnancy	1	2
	03	Risks that might be associated with future pregnancies	1	2

	21.2 INPATIENT POSTPARTUM /POSTNATAL CARE (PNC) MATERNAL AND NEWBORN			
	Now I want to know about postpartum care for the woman and infant who deliver in this facility. GO TO WHERE POSTPARTUM WOMEN STAY PRIOR TO BEING SENT HOME. ASK TO SPEAK WITH THE PROVIDERS OF POSTPARTUM CARE SERVICES. IF THE NEWBORN CARE UNIT IS A DIFFERENT LOCATION YOU MAY NEED TO GO TO THAT UNIT TO ANSWER SOME OF THE QUESTIONS.			
	B. POSTPARTUM CARE (MATERNAL)			
	4600	How long do women who have uncomplicated delivery in this facility most commonly remain prior to being sent home?	LESS THAN 24 HOURS ..... 1 24-48 HOURS ..... 2 2 OR MORE FULL DAYS 3	
137.1	4601	Are all women who deliver in this facility provided postpartum counselling prior to discharge?	ROUTINELY PROVIDED FOR ALL ..... 1 SELECTIVELY PROVIDED FOR SOME ..... 2 NOT PROVIDED 3	
137.1	4602	Are all women who deliver in this facility provided counselling about family planning prior to discharge?	ROUTINELY PROVIDED FOR ALL ..... 1 SELECTIVELY PROVIDED FOR SOME ..... 2 NOT PROVIDED 3	

	D. NEWBORN POSTPARTUM CARE				
137.1	4650	Is it the <u>policy</u> of this facility to routinely encourage exclusive breast feeding?	YES..... 1 NO 2		
	4652	For each of the following issues, please tell me how the counselling, and/or facility practices are carried out in this facility.	ROUTINELY, THAT IS, ALWAYS OFFERED	OFFERED SOMETIMES, BUT NOT ROUTINELY	NEVER OFFERED FOR THE NEWBORN PRIOR TO DISCHARGE
137.1	01	<u>Provision</u> of newborn vaccines (OPV and/or BCG)	1	2	3
137.1	02	Counselling on child immunization needs	1	2	3
137.1	03	Counselling on child nutritional needs and good feeding practices	1	2	3
137.1	04	Counselling on Danger signs in the newborn	1	2	3
137.1	05	Counselling on cord care & Hygiene	1	2	3
137.1	06	Provision of ITN for child*	1	2	3

21.3 CARE FOR THE LOW-BIRTH-WEIGHT OR SICK NEWBORN						
		Now I would like to know about services provided in this facility for the low-birth-weight or sick newborn.				
		IF THE INDICATED SERVICE IS PROVIDED MAKE SURE YOU SPEAK TO THE MOST KNOWLEDGEABLE PERSON ABOUT THE SERVICE.				
	A. KANGAROO MOTHER CARE (KMC)					
	4660[S]	Is KMC (Kangaroo mother care) for premature/very low birth-weight babies) used in this facility?	YES, ...1 NO.....2			➔4670
	4661	Is there a bed or location where the caregiver providing KMC stays overnight while providing KMC? IF YES, ASK: May I see where the caregiver stays while providing KMC?	YES, OBSERVED ..... 1 YES, REPORTED, NOT SEEN ..... 2 NO..... 3			
	4670	Does this facility routinely provide alternative feeding for newborns who cannot breastfeed?	YES ..... 1 NO..... 2			
	4675	**Are newborns with symptoms of sepsis ever provided services or referral?**	**YES.....1** **NO 2**			**➔4690**
	4676	When there is a probable newborn sepsis patient, what routine practices are taken for managing the case? FOR EACH PRACTICE, CLARIFY IF THIS IS ALWAYS, SOMETIMES, OR NEVER PRACTICED	YES ALWAYS	YES SOMETIMES	NEVER	
	01	Immediate referral without providing any medicine?	1	2	3	
	02[S]	Provide one dose injectable antibiotic and then refer?	1	2	3	
	03[S]	Prescribe the full antibiotic regimen and follow up	1	3	3	
	C. GENERAL INTERVENTIONS AND SUPPORT FOR QUALITY CARE FOR LOW-BIRTH-WEIGHT AND SICK NEWBORNS					
	4690	In addition to the above special services for low-birth-weight/sick newborns, please tell me if any of the following services are routinely available for low-birth-weight/sick newborns when needed.	Routinely available (a)		Available/ functional today (b)	
			YES	NO	YES	NO
103	01	Oxygen	1➔b	2➔02	1	2
103	02	Exchange transfusion blood service	1➔b	2➔03	1	2

103	03	Intravenous rehydration	1➔b	2➔04	1	2	
103 83.1	04	Incubator	1➔b	2➔05	1	2	
103	05	Radiant warmer	1➔b	2➔06	1	2	
	06	Artificial ventilation	1➔b	2➔9560	1	2	

QoC

39.1	9560	INDICATE IF THE FOLLOWING WAS OBSERVED IN THE DELIVERY SERVICE AREA	YES	NO	NOT APPLICABLE	
39.1	01	FLOOR: SWEPT, NO OBVIOUS DIRT OR WASTE	1	2		
39.1	02	COUNTERS/TABLES/CHAIRS: WIPED CLEAN- NO OBVIOUS DUST OR WASTE	1	2		
39.1	03	NEEDLES, SHARPS BOX MORE THAN ¾ FULL, OR ANY USED NEEDLES/SHARPS OUTSIDE THE BOX	1	2		
39.1	04	SHARPS BOX TORN/PIERCED	1	2		
39.1	05	BANDAGES/INFECTIOUS WASTE LYING UNCOVERED	1	2		
39.1	06	WERE ALL STAFF WEARING APPROPRIATE UNIFORMS IN THIS UNIT?	1	2		
39.1	07	WERE STAFF WEARING NAME TAGS IN THIS UNIT?	1	2		
39.1	08	WERE NON-SMOKING SIGNS OBSERVED IN THIS UNIT?	1	2		
39.1	09	IS THE PATIENT TOILET CLEAN WITH NO FAECAL MATERIAL OR BLOOD ON THE TOILET, FLOOR, OR WALLS?	1	2	5	
39.1	10	Functioning hand hygiene stations (that is, alcohol-based handrub solution or soap and water with a basin/pan and clean single-use towels)	1	2		

	9564	Does this facility have a postpartum ward/unit? IF YES, GO TO THE POSTPARTUM WARD/UNIT	YES.....1 NO 2	➔KEN9576

39.1	9565	INDICATE IF THE FOLLOWING WAS OBSERVED IN THE UNIT	YES	NO	NOT APPLICABLE	
39.1	01	FLOOR: SWEPT, NO OBVIOUS DIRT OR WASTE	1	2		
39.1	02	COUNTERS/TABLES/CHAIRS: WIPED CLEAN- NO OBVIOUS DUST OR WASTE	1	2		
39.1	03	NEEDLES, SHARPS BOX MORE THAN ¾ FULL, OR ANY USED NEEDLES/SHARPS OUTSIDE THE BOX	1	2		
39.1	04	SHARPS BOX TORN/PIERCED	1	2		
39.1	05	BANDAGES/INFECTIOUS WASTE LYING UNCOVERED	1	2		
39.1	06	WERE ALL STAFF WEARING APPROPRIATE UNIFORMS IN THIS UNIT?	1	2		
39.1	07	WERE STAFF WEARING NAME TAGS IN THIS UNIT?	1	2		
39.1	08	WERE NON-SMOKING SIGNS OBSERVED IN THIS UNIT?	1	2		
39.1	09	IS THE PATIENT TOILET CLEAN WITH NO FAECAL MATERIAL OR BLOOD ON THE TOILET, FLOOR, OR WALLS?	1	2	5	
39.1	10	Functioning hand hygiene stations (that is, alcohol-based handrub solution or soap and water with a basin/pan and clean single-use towels)	1	2		

KEN9576	Is there a nursery in this facility?	YES .....1 NO.....2	➔END

39.1	KEN9577	INDICATE IF THE FOLLOWING WAS OBSERVED IN THE UNIT	YES	NO	NOT APPLICABLE	
39.1	01	FLOOR: SWEPT, NO OBVIOUS DIRT OR WASTE	1	2		
39.1	02	COUNTERS/TABLES/CHAIRS: WIPED CLEAN- NO OBVIOUS DUST OR WASTE	1	2		
39.1	03	NEEDLES, SHARPS BOX MORE THAN ¾ FULL, OR ANY USED NEEDLES/SHARPS OUTSIDE THE BOX	1	2		
39.1	04	SHARPS BOX TORN/PIERCED	1	2		
39.1	05	BANDAGES/INFECTIOUS WASTE LYING UNCOVERED	1	2		
39.1	06	WERE ALL STAFF WEARING APPROPRIATE UNIFORMS IN THIS UNIT?	1	2		
39.1	07	WERE STAFF WEARING NAME TAGS IN THIS UNIT?	1	2		
39.1	08	WERE NON-SMOKING SIGNS OBSERVED IN THIS UNIT?	1	2		
	09	IS THE PATIENT TOILET CLEAN WITH NO FAECAL MATERIAL OR BLOOD ON THE TOILET, FLOOR, OR WALLS?	1	2	5	
39.1	10	Functioning hand hygiene stations (that is, alcohol-based handrub solution or soap and water with a basin/pan and clean single-use towels)	1	2		

12 SERVICES FOR CHILDREN UNDER 5				
	2300	Does this facility offer preventive and/or curative care services for children under 5?	YES ..... NO.....	➔4200
ASK TO BE SHOWN THE LOCATION IN THE FACILITY WHERE CHILD CURATIVE AND/OR SCREENING SERVICES ARE PROVIDED. FIND THE PERSON MOST KNOWLEDGEABLE ABOUT CHILD PREVENTATIVE AND CURATIVE CARE SERVICES IN THE FACILITY. INTRODUCE YOURSELF, EXPLAIN THE PURPOSE OF THE SURVEY AND ASK THE FOLLOWING QUESTIONS.				
12.1 CHILD HEALTH SERVICE AVAILABILITY				
		Please tell me if this facility provides the following services for children less than 5, and for each service, IF YES, ASK: When a child is eligible is the service always provided, provided sometimes, but not always, or is the service not provided.		

	A. SERVICES REPORTED OFFERED				
		SERVICE AND TREATMENT	**YES ALWAYS**	**YES, SOMETIMES**	**NO**
		NUTRITION RELATED SERVICES			
	2301 01	Routine child growth monitoring	1		3➔2302
	02	Plot weight against height or age	1	2	3
	KEN03	Measure head circumference	1	2	3
	2302[2] 01	Diagnosis and/or treatment of child malnutrition (under or over nutrition)	1	2	3➔2303
	02	Provide fortified supplements?	1	2	3
	03	Provide therapeutic feeding onsite?	1	2	3
	04	Provide or prescribe feeding supplements for home treatment?	1	2	3
	KEN05	Counselling for obesity in children	1	2	3
	KEN06	Nutrition counselling for underweight children	1	2	3
		ROUTINE PREVENTIVE SERVICES			
	2303	Routine vitamin A supplementation?	1	2	3
	2304	Routine deworming in children	1	2	3
	KEN2304	Child development care (assessment and counselling)	1	2	3
	KEN2305	Any eye examinations (white pupil, squint, sight)	1	2	3➔2306
	01	Eye examinations at birth	1	2	3
	02	Eye examinations at 6 months	1	2	3
	03	Eye examinations at 9 months	1	2	3
		SERVICE AND TREATMENT			
	2306 01	Diagnose and treat anaemia	1	2	3➔2307
	02	Prescribe iron for child anaemia	1	2	3
	2307 01	Diagnose and treat pneumonia in children	1	2	3➔2308
	02	Prescribe amoxicillin for the first-line treatment for pneumonia in children	1	2	3
	KEN03	Manage hypoxemia using oxygen	1	2	3
	2308 01	Diagnose and treat malaria in children	1	2	3➔2309

	A. SERVICES REPORTED OFFERED				
		SERVICE AND TREATMENT	YES ALWAYS	YES, SOMETIMES	NO
	02	Conduct blood test for malaria prior to prescribing treatment	1	2	3
	03	Provide ITN or voucher for ITN	1	2	3
	04	Prescribe ACT for the first-line treatment for malaria in children	1	2	3
	2309 01	Diagnosis and treat watery diarrhea in children?	1	2	3➔4150
	02	Routinely prescribe oral rehydration salts for child diarrhea	1	2	3
	03	Routinely prescribe zinc tablets	1	2	3
	KEN04	Manage severe dehydration using intravenous rehydration?	1	2	3
50 1.2	2316	Does this facility have an area set aside for beginning oral rehydration for children? IF YES ASK: Please show me the area	YES, OBSERVED .....1 YES, REPORTED, NOT SEEN .....2 NO 3		
50 1.2	2317	Is safe water for mixing ORS available? IF YES, VERIFY THE AVAILABILITY OF SAFE WATER ONSITE	YES, OBSERVED .....1 YES, REPORTED, NOT SEEN .....2 NO 3		
50 1.2	2318	Are there cups and spoons available for providing ORS onsite? IF YES, ASK TO SEE CUPS AND SPOONS	YES, OBSERVED .....1 YES, REPORTED, NOT SEEN .....2 NO 3		

	19 IMMUNIZATION SERVICES			
150	4150	Does this facility offer any child immunization services?	YES ..... 1 NO 2	➔4200
	503[S]	**How often does this facility offer all child immunization services at the facility?**	**5 days a week (Mon-Fri).....1** **Daily (7 days a week).....2** **WEEKLY..... .....3** **MONTHLY.....4** **QUARTERLY..... .....5** **NEVER .....6** **OTHER (SPECIFY)_____ 7**	
	504[S]	How often does this facility offer all child immunization services as outreach?	DAILY..... .....1 WEEKLY..... .....2 MONTHLY..... .....3 QUARTERLY..... .....4 NEVER .....5 OTHER (SPECIFY)_____ 6	
	A. SPECIFIC IMMUNIZATION SERVICE AVAILABILITY			
	ASK TO BE SHOWN THE LOCATION IN THE FACILITY WHERE IMMUNIZATION SERVICES ARE PROVIDED. FIND THE PERSON MOST KNOWLEDGEABLE ABOUT IMMUNIZATION SERVICES IN THE FACILITY. INTRODUCE YOURSELF, EXPLAIN THE PURPOSE OF THE SURVEY AND ASK THE FOLLOWING QUESTIONS.			

	4152 S	Does this facility provide any of the following immunization services in the facility only, as outreach at fixed post only, or both? *VACCINES SCHEDULE SHOULD BE SPECIFIED AS PART OF COUNTRY ADAPTATION	BOTH IN THE FACILITY AND AS OUTREACH	IN THE FACILITY ONLY	OUTREACH ONLY	SERVICE NOT OFFERED
	01 S	Birth doses (hepB0)	1	2	3	4
	02	Birth doses (BCG)	1	2	3	4
	03	Birth doses (OPV0)	1	2	3	4
	04 S	Infant vaccines (under 1 year): BCG	1	2	3	4
	05 S	Infant vaccines: Oral Polio	1	2	3	4
	06 S	Infant vaccines: Pentavalent (DTP, DTP-Hib-HepB)	1	2	3	4
	07 S	Infant vaccines: Rotavirus	1	2	3	4
	08 S	Infant vaccines IPV (Inactivated polio vaccine)	1	2	3	4
	09	Vaccine containing measles (e.g., measles-rubella /MMR)	1	2	3	4
	10 S	Child immunizations (1 to 5 year)	1	2	3	4
	11 S	Adolescent/adult vaccines (HPV)	1	2	3	4
150.3	12	Adolescent/adult vaccines (tetanus (TT) or tetanus/diptheria (TD)	1	2	3	4
150.3	13	Adolescent/adult vaccines (any flu vaccines)	1	2	3	4
	KEN14	Pneumococcal conjugate vaccine (PCV-10)	1	2	3	4
	KEN15	Other vaccines	1	2	3	4
	KEN16	Meningococcal vaccine	1	2	3	4
	KEN17	Typhoid vaccination	1	2	3	4
	KEN18	Yellow fever vaccination	1	2	3	4

B. EQUIPMENT AND SUPPLIES FOR IMMUNIZATION SERVICES

	4153	I would like to know if the following items for infant or child immunization are available in this service area today. For each item, please tell me if it is available today, and then I would like to see it.	YES, OBSERVED	YES, REPORTED, NOT SEEN	NO
	01	Single use syringes and needles—not auto-disable	1	2	3
	02 S	Auto-disable syringes and needles	1	2	3
	03 S	Sharps container/safety box	1	2	3
	04 S	Cold box with set of ice packs for vaccine carriers (Note: 4-5 ice packs make one set)	1	2	3
	05 S	Vaccine carrier with set of ice packs for vaccine carriers (Note: 4-5 ice packs make one set)	1	2	3
	06 S	Immunization cards (or child health booklet)	1	2	3
	07 S	Official immunization tally sheets or integrated tally sheet	1	2	3
	08 S	Official immunization registers or equivalent	1	2	3

D. VACCINE AVAILABILITY

	4165	IS THE FACILITY OFFERING CHILD IMMUNIZATION SERVICES TODAY?	YES.....1 NO.....2	➔9600

		Now I would like to see the vaccines that are available today. For each vaccine I mention, please show me at least one vial that has a valid date of expiry AND (IF PRESENT) THE VIAL MONITOR (VVM) ON THE VACCINE VIAL HAS NOT TURNED. Are any of the following vaccines available in this service site today?								
	4166	VACCINE	(a)						**(b)**	
			AVAILABILITY						Any stockout in the last 3 months?	
			OBSERVED		NOT OBSERVED					
			AT LEAST ONE NOT EXPIRED	AVAILABLE BUT EXPIRED	REPORTED AVAILABLE BUT NOT SEEN	NOT AVAILABLE TODAY	NEVER AVAILABLE		YES	NO
	0 1 S	Measles vaccine and diluent	1	2	3	4➔01a	5➔01a		1 S	2 S
	01a	Measles, Rubella vaccine	1	2	3	4➔01b	5➔01b		1 S	2 S
	01b	Measles, Mumps, Rubella (MMR) vaccine	1	2	3	4➔02	5➔02		1 S	2 S
	02 S	DPT+Hib+HepB (pentavalent)	1	2	3	4➔03	5➔03		1 S	2 S
	03 S	Oral polio vaccine	1	2	3	4➔04	5➔04		1 S	2 S
	04 S	BCG vaccine and diluent	1	2	3	4➔05	5➔05		1 S	2 S
	05 S	Rotavirus vaccine	1	2	3	4➔06	5➔06		1 S	2 S
	06 S	Pneumococcal conjugate vaccine PCV – 10 vaccination	1	2	3	4➔07	5➔07		1 S	2 S
	07 S	IPV (Inactivated polio vaccine)	1	2	3	4➔08	5➔08		1 S	2 S
	08 S	HPV (Human papillomavirus vaccine)	1	2	3	4➔09	5➔09		1 S	2 S
	09	Tetanus toxoid (TT) or Tetanus/Diptheria (TD) vaccine	1	2	3	4➔10	5➔10		1	2
	10	Rabies vaccine	1	2	3	4➔11	5➔11		1	2
	11	Flu vaccine (any)	1	2	3	4➔K12	5➔12		1	2
	KEN12	Typhoid vaccination	1	2	3	4➔K13	5➔13		1	2
	KEN13	Yellow fever vaccination	1	2	3	4➔K14	5➔14		1	2
	KEN14	Meningococcal vaccination	1	2	3	4➔K15	5➔15		1	2
	KEN15	Anti-venom vaccination	1	2	3	4➔K16	5➔16		1	2
	KEN16	Anti-rabies vaccination	1	2	3	4➔K17	5➔17		1	2
	KEN17	Chicken Pox 1 vaccination	1	2	3	4➔9600	5➔9600		1	2

60.6 COMMODITY AND DRUG STORAGE CONDITIONS

A. VACCINE STORAGE

775	9600	Does this facility provide immunization services for infants? IF YES, ASK TO GO TO THE CHILD IMMUNIZATION SERVICE AREA	YES ..... 1 NO 2	→4200 LINK to Q4150
775	9601	Does this facility have a refrigerator available and functioning for the storage of infant/child vaccines? IF THERE ARE DIFFERENT FRIDGES, GO TO THE MAIN STORAGE FRIDGE FOR CHILD IMMUNIZATIONS NOTE: FOR A REFRIGERATOR TO BE FUNCTIONAL IT MUST HAVE SUFFICIENT CAPACITY TO ACCOMMODATE ALL NEEDED VACCINES.	AVAILABLE AND FUNCTIONAL..... 1 AVAILABLE NOT FUNCTIONAL..... 2 AVAILABLE DON'T KNOW IF FUNCTIONING..... 3 NOT AVAILABLE..... 4	→4200
	KEN4155	Are there any items other than vaccines or vaccine diluents in the refrigerator?	YES, OBSERVED, FOOD ITEMS ..... 1 YES OBSERVED, OTHER NON-FOOD ITEMS..... 2 NO 3	

			a) AVAILABLE		b) FUNCTIONING		
			YES	NO	YES	NO	DON'T KNOW
775	9602	Which of the following devices for monitoring refrigerator temperature are available and functioning in the refrigerator today: ASK TO SEE THE ITEMS					
775	01 S	Thermometer	1 → b	2 02	1	2	8
775	02 S	Continuous temperature recorder/logger	1 → b	2 9606	1	2 9606	8 9606

775	9603	Is the temperature of the refrigerator monitored at least once every 24 hours? IF YES: PLEASE ASK TO SEE THE LOG USED TO RECORD THE TEMPERATURE	YES, LOG OBSERVED ..... 1 YES, CONTINUOUS MONITORING ..... 2 YES, LOG REPORTED NOT SEEN ..... 3 NO 4	→9606 →9606
775	9604	Has the temperature log been completed for the last 30 days? PLEASE REVIEW LOG AND CHECK FOR COMPLETENESS (TEMPERATURE RECORDED AT LEAST ONCE DAILY DURING THE LAST 30 DAYS)	YES, FULLY COMPLETE ..... 1 NO, AT LEAST ONE DAY NOT COMPLETED 2	→9606

775	9605	Has the temperature been out of the range 2 to 8 °C inclusive in the last 30 days? PLEASE CHECK THE TEMPERATURE RECORD AND VERIFY THE TEMPERATURE FOR THE PRIOR 30 DAYS IN ORDER TO ANSWER THE QUESTION.	NEVER OUT OF RANGE ..... 1 OUT OF RANGE AT LEAST ONCE 2	
775				
775	9606	What is the temperature in the fridge now?	BETWEEN 2-8 DEGREES C (INCLUSIVE)..... 1 OUT OF RANGE..... 2 DON'T KNOW 8	

20 REPRODUCTIVE HEALTH SERVICES

20.1 ADOLESCENT HEALTH SERVICES

	4200	Does this facility offer any reproductive health or HIV services that focus on the adolescent?	YES ..... 1 NO 2	

20.2 FAMILY PLANNING SERVICES

	4225	Does this facility offer any family planning services?	YES ..... 1 NO 2	➔4250

ASK TO BE SHOWN THE LOCATION IN THE FACILITY WHERE FAMILY PLANNING SERVICES ARE PROVIDED. FIND THE PERSON MOST KNOWLEDGEABLE ABOUT FAMILY PLANNING SERVICES IN THE FACILITY. INTRODUCE YOURSELF, EXPLAIN THE PURPOSE OF THE SURVEY AND ASK THE FOLLOWING QUESTIONS.

A. SERVICE AVAILABILITY

	4226	Does this facility ***provide*** or ***prescribe*** any of the following modern methods of family planning:	**YES**	**NO**	
	01	Combined estrogen progesterone oral contraceptive pills	1	2	
	02	Progestin-only contraceptive pills	1	2	
	03	Combined estrogen progesterone injectable contraceptives	1	2	
	04	Progestin-only injectable contraceptives	1	2	
	05	Male condoms	1	2	
	06	Female condoms	1	2	
	07	Implants	1	2	
	08	Emergency contraceptive pills	1	2	
	09	Intrauterine contraceptive device (IUCD)	1	2	
	10	Cycle beads for standard days method	1	2	
	11	Male sterilization (vasectomy)	1	2	
	12	Female sterilization (Tubal ligation)	1	2	
	4227	Does this facility provide any family planning services for unmarried minor adolescents? IF YES, CLARIFY IF THE SERVICES REQUIRE GUARDIAN PERMISSION OR NOT	YES, GUARDIAN CONSENT REQUIRED ..... 1 YES, NO GUARDIAN CONSENT REQUIRED ..... 2 NO..... 3		➔4231
	4228	Does this facility ***provide*** or ***prescribe*** any of the following modern methods of family planning for ***unmarried adolescents***:	**YES**	**NO**	
	01	Combined estrogen progesterone oral contraceptive pills	1	2	
	02	Male condoms	1	2	
	03	Emergency contraceptive pills	1	2	
	04	Intrauterine contraceptive device (IUCD)	1	2	
	KEN05	Female condoms	1	2	
	KEN06	Spermicides	1	2	
	4231	Does the family planning service use individual client record/chart/ cards? IF YES, ASK TO SEE A BLANK COPY	YES, OBSERVED ..... 1 REPORTED, NOT SEEN..... 2 NO..... 3		

C. AVAILABILITY OF FAMILY PLANNING COMMODITIES IN FP SERVICE SITE

	4240	Does this facility stock contraceptive commodities at this service site?	YES ..... 1 NO 2	→4242

			(a)					(b)	
			AVAILABILITY					Any stockout in the last 3 months?	
			OBSERVED		NOT OBSERVED				
			AT LEAST ONE NOT EXPIRED	AVAILABLE BUT EXPIRED	REPORTED AVAILABLE BUT NOT SEEN	NOT AVAILABLE TODAY	NEVER AVAILABLE	YES	NO
	4241	Are any of the following **contraceptive methods** Available in this service site today? CHECK TO SEE IF AT LEAST ONE OF EACH MEDICINE/COMMODITY IS VALID (NOT EXPIRED)							
	01	Combined estrogen progesterone oral contraceptive pills	1	2	3	4	5		
	02	Progestin-only contraceptive pills	1	2	3	4	5		
	03	Combined estrogen progesterone injectable contraceptives	1	2	3	4	5		
	04	Progestin-only injectable contraceptives	1	2	3	4	5		
	05	Male condoms	1	2	3	4	5		
	06	Female condoms	1→b	2→07	3→b	4→07	5→07	1	2
	07	Implant (e.g., levonorgestrel , Etonogestrel)	1→b	2→08	3→b	4→08	5→08	1	2
	08	Emergency contraceptive (e.g., Levonorgestrel, Ulipistal acetate, mifepristone tablet	1→b 1	2→09	3→b	4→09	5→09	1	2
	09	Intrauterine contraceptive device (IUCD)	1	2	3	4	5		
	10	Cycle beads for standard days method	1		3	4	5		

59.1	**4242**	**Is a functional blood pressure apparatus available in this service area?** **IF YES, ASK TO SEE THE APPARATUS**	**YES, OBSERVED AND FUNCTIONAL ..... 1** **YES, REPORTED, NOT SEEN ..... 2** **REPORTED NOT FUNCTIONAL ..... 3** **NO 4**	
	KEN4242	Is a functional weighting machine available in this service area? IF YES, ASK TO SEE THE APPARATUS	YES, OBSERVED AND FUNCTIONAL ..... 1 YES, REPORTED, NOT SEEN ..... 2 REPORTED NOT FUNCTIONAL ..... 3 NO 4	

20.3 ANTENATAL CARE SERVICES

64	4250	Does this facility offer antenatal care (ANC) services?	YES ..... 1 NO 2	 ➔4300

ASK TO BE SHOWN THE LOCATION IN THE FACILITY WHERE ANTENATAL CARE SERVICES ARE PROVIDED. FIND THE PERSON MOST KNOWLEDGEABLE ABOUT ANTENATAL CARE SERVICES IN THE FACILITY. INTRODUCE YOURSELF, EXPLAIN THE PURPOSE OF THE SURVEY AND ASK THE FOLLOWING QUESTIONS.

	4251[S]	Do ANC providers provide any of the following services to pregnant women as part of routine ANC services?	YES	NO
	01	Iron supplementation (including combined iron/folic tablets)	1	2
	02	Folic acid supplementation (including combined iron/folic tablets)	1	2
	03	Intermittent preventive treatment in pregnancy (IPT) for malaria	1	2
	04	Provide ITNs or vouchers for ITNs for pregnant women	1	2
	05	Tetanus toxoid immunization	1	2
	06	Monitoring for hypertensive disorder of pregnancy	1	2
	07	Calcium supplementation to prevent pre-eclampsia	1	2
	08	Diagnosis and treatment for sexually transmitted infections	1	2
	10	HIV test for pregnant women	1	2
	KEN11	Counselling/practices to encourage male involvement	1	2
	KEN12	Growth/weight monitoring	1	2
	KEN13	Deworming	1	2
	KEN14	Nutritional counselling & supplementation	1	2
	KEN15	Rhesus factor	1	2
	KEN16	Syphilis test (rapid or VDRL)	1	2

			a) AVAILABLE			b) FUNCTIONING		
	4254	Now I want to know about a few items for providing ANC. For each item I ask about please tell me if it's available and functional (or not expired) and then show it to me	OBSERVED	REPORTED, NOT SEEN	NOT AVAILABLE	YES	NO	DON'T KNOW
65.1	01	Blood pressure apparatus	1➔b	2➔b	3➔03	1	2	8
811.1	03	Adult weighing scale	1➔b	2➔b	3 ┐ 06↵	1	2	8
65.1 **189.1**	06	ITN or vouchers for ITN	1	2	3			
	KEN07	Digital doppler or fetoscope	1➔b	2➔b	3➔4261	1	2	8
	KEN08	Chart for calculating expected date of delivery (EDD)	1	2	3			

A. SUPPORT FOR QUALITY ANTENATAL CARE SERVICES

65.1	4261	Does the antenatal care service use individual client record/chart/cards? IF YES, ASK TO SEE A BLANK COPY	YES, OBSERVED ..... REPORTED, NOT SEEN ..... NO	

20.4 PREVENTION OF MOTHER-TO-CHILD TRANSMISSION				
75.1	4300	Does this facility offer HIV testing or other services to ANC clients for the elimination/prevention of mother-to-child transmission of HIV (E/PMTCT)?	YES ..... 1 NO 2	→4350

ASK TO BE SHOWN THE LOCATION IN THE FACILITY WHERE E/PMTCT SERVICES ARE PROVIDED. FIND THE PERSON MOST KNOWLEDGEABLE ABOUT PMTCT SERVICES IN THE FACILITY. INTRODUCE YOURSELF, EXPLAIN THE PURPOSE OF THE SURVEY AND ASK THE FOLLOWING QUESTIONS. IT MAY BE NECESSARY TO GO TO ANOTHER SITE FOR PMTCT POSTPARTUM FOLLOW UP.

A. SERVICE AVAILABILITY				
	4301	As part of E/PMTCT services, please tell me if this facility provides the following services to clients:	YES	NO
75.3	01	Provide HIV testing services to all pregnant women attending ANC	1	2
	02	Provide HIV counselling and testing services to HIV positive pregnant women for E/PMTCT	1	2
	03	Provide HIV counselling to mothers about risks for exposed infants and testing services for infants born to HIV positive women for E/PMTCT	1	2
75.3	04	Refer/provide all HIV positive pregnant women for any E/PMTCT ARV regimen.	1	2
	4303	Which of the following are additional services offered for E/PMTCT?	YES	NO
75.3	01	Provide ARV prophylaxis to newborns of HIV positive pregnant women for E/PMTCT	1	2
75.3	02	Offer repeat testing for HIV negative pregnant women 3 months after first test, while pregnant or during labour/delivery	1	2
75.3	04	Partner HIV testing	1	2
75.3	05	Provide nutritional counselling for HIV positive pregnant women, infants and young children for E/PMTCT	1	2
75.3	06	Offer infant and young child feeding counselling for infants of HIV positive women	1	2
57.2 **75.3**	07	Provide family planning counselling to HIV positive pregnant women for E/PMTCT	1	2
75.3	4304	Does this facility provide early infant diagnosis (EID) services for all HIV exposed infants?	YES .....1 NO.....2	
76.1	4311	Does the E/PMTCT service room or area have auditory and visual privacy?	AUDITORY PRIVACY ONLY ..... 1 VISUAL PRIVACY ONLY ..... 2 BOTH AUDITORY AND VISUAL PRIVACY ..... 3 NO PRIVACY 4	

20.5 OUTPATIENT POSTPARTUM/POSTNATAL CARE (PNC)				
137	4350	Does this facility routinely provide postpartum or newborn care as an outpatient service for women and infants coming from home?	YES, BOTH MATERNAL POSTPARTUM AND NEWBORN CARE ..... 1 YES, NEWBORN CARE BUT NOT ROUTINE MATERNAL POSTPARTUM CARE ..... 2 YES, ROUTINE MATERNAL POSTPARTUM CARE BUT NOT NEWBORN CARE ..... 4 NO 3	→4376 →END
		ASK WHERE POSTPARTUM WOMEN AND THEIR NEWBORNS WHO ARRIVE FROM OUTSIDE THE FACILITY RECEIVE SERVICES, EITHER FOR PROBLEMS OR FOR NORMAL POSTPARTUM CARE IN THE OUTPATIENT SERVICE AREA AND GO THERE TO ASK THE FOLLOWING QUESTIONS.		

138.1	4351	Is there an area for postpartum examination that provides auditory and visual privacy?	AUDITORY PRIVACY ONLY ..... 1 VISUAL PRIVACY ONLY ..... 2 BOTH AUDITORY AND VISUAL PRIVACY ..... 3 NO PRIVACY 4	
137.1	4359	Are postpartum women with symptoms of late postpartum haemorrhage ever provided services or referral in the outpatient service area?	YES ..... 1 NO 2	➔4376

137.1	4360	When there is a probable late postpartum haemorrhage patient, what routine practices are taken for managing the case? FOR EACH PRACTICE, CLARIFY IF THIS IS ALWAYS, SOMETIMES, OR NEVER PRACTICED	YES ALWAYS	YES SOME-TIMES	NEVER
137.1	01	Immediate referral to inpatient/emergency area in this facility without providing any treatment?	1➔4376	2	3
	KEN01	Immediate referral to another facility without providing any treatment?	1➔4376	2	3
137.1	02	Provide one dose injectable uterotonic (oxytocin/methergin) and then refer within the facility?	1➔4376	2	3
	KEN02	Provide one dose injectable uterotonic (oxytocin/methergin) and then refer outside the facility?	1➔4376	2	3
	KEN03	Provide full treatment in this facility service area	1	2	3

137.1	4376	Is it the policy of this facility to routinely encourage exclusive breast feeding?	YES..... 1 NO 2	

5 OUTPATIENT SERVICE HOURS				
	500	Does the facility provide outpatient services?	YES ..... 1 NO 2	➔49 81
	5.1 OUTPATIENT SERVICE HOURS			
	ASK TO GO TO THE OUTPATIENT SERVICE AREA AND ASK TO SPEAK WITH THE PERSON MOST KNOWLEDGEABLE ABOUT THE OUTPATIENT SERVICES. Now I want to ask about hours that this facility provides outpatient and emergency services and about specific outpatient services.			
3.1	501[S]	On average, how many hours per day is this facility open for non-emergency outpatient services?	4 HOURS OR LESS ..... 1 5 TO 8 HOURS ..... 2 9 TO 16 HOURS ..... 3 17 TO 23 HOURS ..... 4 24 HOURS 5	
3.1	502	On average, how many days per week is this facility open for non-emergency outpatient services?	DAYS PER WEEK OPEN FOR NON-EMERGENCY SERVICES ☐	
	512	Who is officially allowed to use non-emergency walk-in services?	ANYONE/WALK-IN ..... 1 ONLY BY REFERRAL ..... 2 NO NON-EMERGENCY WALK-IN SERVICES 3	

	11.1 CROSS-CUTTING OUTPATIENT RESOURCES AND SYSTEMS			
	A. INFRASTRUCTURE			
38	2202	Is electricity/power in the outpatient service area functioning today?	YES, OBSERVED ..... 1 YES, REPORTED, NOT SEEN ..... 2 NO ..... 3 NEVER HAVE ELECTRICITY 5	➔2204 ➔2205
38	2203	During the past 7 days, was electricity available at all times from the main or any backup source when outpatient services were being provided?	ALWAYS AVAILABLE (NO INTERRUPTIONS) ..... 1 OFTEN AVAILABLE (INTERRUPTIONS OF LESS THAN 2 HOURS PER DAY) ..... 2 SOMETIMES AVAILABLE (FREQUENT OR PROLONGED INTERRUPTIONS OF MORE THAN 2 HOURS PER DAY) 3	
	2204	What is the electricity used for in the outpatient service area?	ONLY STAND-ALONE ELECTRIC MEDICAL DEVICES/APPLIANCES (e.g. EPI cold room, refrigerator, suction apparatus, etc.) ..... 1 ELECTRIC LIGHTING AND COMMUNICATIONS (ANY LEVEL) ..... 2 ELECTRIC LIGHTING, COMMUNICATIONS, AND 1 TO 2 ELECTRIC MEDICAL DEVICES/ APPLIANCES. ..... 3 ALL ELECTRICAL NEEDS OF FACILITY 4	

38	2205	What is the ***most commonly used*** source of water for the outpatient service area *at this time*?	PIPED INTO FACILITY .....01 PIPED ONTO FACILITY GROUNDS .....02 PUBLIC TAP/STANDPIPE .....03 TUBEWELL/BOREHOLE .....04 PROTECTED DUG WELL .....05 UNPROTECTED DUG WELL .....06 PROTECTED SPRING .....07 UNPROTECTED SPRING .....08 RAINWATER .....09 BOTTLED WATER .....10 WATER VENDER: CART W/SMALL TANK/DRUM 11 WATER VENDER: TANKER TRUCK .....12 SURFACE WATER (RIVER/DAM/LAKE/POND) .....13 WATER PAN .....14 SAND DAM .....15 OTHER _____ .....96 (SPECIFY) DON'T KNOW .....98 NO WATER SOURCE 00	➔2208 ➔2208 ➔2230
38	2206	Is water available from this source on facility premises? IF YES, ASK: May I see water from this source that is available today? If the water is inside, please show me that, otherwise, show me the water on the premises.	YES, OBSERVED INSIDE THE FACILITY .....1 YES, OBSERVED WITHIN THE GROUND OF THE FACILITY .....2 YES, REPORTED, NOT SEEN .....3 NO, OR AVAILABLE ONLY OUTSIDE THE FACILITY GROUNDS 4	
38	2208	During the past 7 days, was there any time when there was no water for the outpatient service area for more than two hours at a time?	YES .....1 NO .....2 DON'T KNOW 8	

	C. OUTPATIENT AMENITIES			
38	2230	Is there a room with auditory and visual privacy available for patient consultations?	AUDITORY PRIVACY ONLY ..... 1 VISUAL PRIVACY ONLY ..... 2 BOTH AUDITORY AND VISUAL PRIVACY ..... 3 NO PRIVACY 4	
38	KEN 2231	Is there a toilet (latrine) on the premises in functioning condition that is accessible for **male clients at the** general outpatient ? IF YES ASK: What type of toilet? May I see the toilet? IF MULTIPLE TOILETS ARE AVAILABLE, CONSIDER THE MOST MODERN TYPE.	FLUSH TOILET TO SEWER CONNECTION .....1 TO SEPTIC TANK ONSITE .....2 TO OPEN DRAIN .....3 PIT LATRINE WITH SLAB .....4 WITHOUT SLAB/ OPEN PIT .....5 COMPOSTING TOILET .....6 HANGING TOILET/ HANGING LATRINE .....7 BUCKET TOILET .....9 MOBILE TOILET (PORT A POTTY) .....10 NO FACILITIES ON PREMISES/ BUSH/FIELD 8	➔2250
57	2232	if yes, ask to see a toilet that men can use and indicate if it is usable	YES, USABLE, FUNCTIONAL, PRIVATE 1	

		(available, functional, private)	NO, EITHER NOT USABLE, NOT FUNCTIONAL, OR NOT PRIVATE.....2	➔KEN2234
39.1	KEN2232	Is the patient toilet clean with no faecal material or blood on the toilet, floor, or walls?	YES, OBSERVED .....1 YES, REPORTED, NOT SEEN .....2 NO 3	
	2233	OBSERVE IF HAND WASHING MATERIALS (SOAP AND RUNNING WATER) ARE BY THE TOILET.	YES, SOAP AND WATER OBSERVED.....1 SOAP AND WATER REPORTED, NOT SEEN .....2 NO SOAP OR WATER .....3 SOAP BUT NO WATER .....4 WATER BUT NO SOAP 5	
	KEN2233	Is alcohol-based hand-rub available by the toilet?	YES, OBSERVED .....1 YES, REPORTED, NOT SEEN .....2 NO 3	
38	KEN2234A	Is there a toilet (latrine) on the premises in functioning condition that is accessible for **female clients** at the general outpatient? IF YES ASK: What type of toilet? May I see the toilet? IF MULTIPLE TOILETS ARE AVAILABLE, CONSIDER THE MOST MODERN TYPE.	FLUSH TOILET TO SEWER CONNECTION .....1 TO SEPTIC TANK ONSITE .....2 TO OPEN DRAIN .....3 PIT LATRINE WITH SLAB .....4 WITHOUT SLAB/ OPEN PIT .....5 COMPOSTING TOILET .....6 HANGING TOILET/ HANGING LATRINE .....7 BUCKET TOILET .....9 MOBILE TOILET (PORT A POTTY) .....10 NO FACILITIES ON PREMISES/ BUSH/FIELD 8	➔9556
57	2234	IF YES, Ask To See A Toilet That Is Specific For Women And Indicate If It Is Usable (Available, Functional, Private)	YES, USABLE, FUNCTIONAL, PRIVATE .....1 NO, EITHER NOT USABLE, NOT FUNCTIONAL, OR NOT PRIVATE.....2	➔9556
39.1	KEN2234B	Is the female patient toilet clean with no faecal material or blood on the toilet, floor, or walls?	YES, OBSERVED .....1 YES, REPORTED, NOT SEEN .....2 NO 3	
56 **57**	2235	Observe if hand washing materials (soap and running water) are by the women's toilet.	YES, SOAP AND WATER OBSERVED.....1 SOAP AND WATER REPORTED, NOT SEEN .....2 NO SOAP OR WATER .....3 SOAP BUT NO WATER .....4 WATER BUT NO SOAP 5	
	KEN2235	Is alcohol-based hand-rub available by the toilet?	YES, OBSERVED .....1 YES, REPORTED, NOT SEEN .....2 NO 3	
57	2236	Is there a bin with a lid on it for disposal of used menstrual hygiene products with the women's toilet? IF YES, ASK TO SEE THIS	YES, OBSERVED .....1 YES, REPORTED, NOT SEEN .....2 NO 3	
57	2337	Is there a private area with soap and water for women to use?	YES, OBSERVED .....1 YES, REPORTED, NOT SEEN .....2 NO 3	

39.1	9556	INDICATE IF THE FOLLOWING WAS OBSERVED IN THE UNIT	YES	NO	
39.1	01	FLOOR: SWEPT, NO OBVIOUS DIRT OR WASTE	1	2	
39.1	02	COUNTERS/TABLES/CHAIRS: WIPED CLEAN- NO OBVIOUS DUST OR WASTE	1	2	
39.1	03	NEEDLES, SHARPS BOX MORE THAN ¾ FULL, OR ANY USED NEEDLES/SHARPS OUTSIDE THE BOX	1	2	

39.1	9556	INDICATE IF THE FOLLOWING WAS OBSERVED IN THE UNIT	YES	NO	
39.1	04	SHARPS BOX TORN/PIERCED	1	2	
39.1	05	BANDAGES/INFECTIOUS WASTE LYING UNCOVERED	1	2	
39.1	06	WAS STAFF WEARING APPROPRIATE UNIFORMS IN THIS UNIT?	1	2	
39.1	07	WAS STAFF WEARING ID BADGES IN THIS UNIT?	1	2	
39.1	08	WERE NON-SMOKING SIGNS OBSERVED IN THIS UNIT?	1	2	
39.1	10	Functioning hand hygiene stations (that is, alcohol-based handrub solution or soap and water with a basin/pan and clean single-use towels)	1	2	

		A. ACCESS FOR PERSONS WITH MOBILITY LIMITATIONS				
	810	ASSESS THE FOLLOWING FOR PERSONS WITH MOBILITY LIMITATIONS	YES, OBSER-VED	YES, REPORTED, NOT SEEN	NOT AVAILABLE	SITE NOT RELEVANT
36	01	Is there at least once area where services can be provided to a person in a wheelchair? (WHEELCHAIR ACCESS MAY BE A RAMP, ELEVATOR, OR CONSTRUCTION THAT ALLOWS WHEELCHAIRS TO BE PUSHED TO THE INDICATED SERVICE AREA AND DOORS SUFFICIENTLY WIDE FOR WHEELCHAIR ACCESS)	1	2	3	4
36	02	Are there grab bars on walls to help people with problems walking to access services?	1	2	3	4
36	03	Is there a functional toilet for handicapped laboratory patients? This toilet would have an elevated seat and railing on at least one side to facilitate sitting and standing and space for wheelchair access. IF YES, ASK TO SEE THE TOILET.	1	2	3➔2250	4➔2250
	04	OBSERVE IF HAND WASHING MATERIALS (SOAP AND RUNNING WATER) ARE BY THE TOILET.	1	2	3	

		D. PATIENT EXAMINATION EQUIPMENT						
	2250	Now I would like to see equipment and resources that are available in the outpatient service area. IF THERE ARE MULTIPLE OUTPATIENT SERVICE AREAS, ASSESS THE RESOURCES AND EQUIPMENT THAT ARE IN THE VICINITY OF THE SERVICE AREA FOR OUTPATIENT CURATIVE CARE FOR ADULTS.						
		Please tell me if the following basic equipment and supplies used in the provision of client services are available anywhere in the outpatient service area and are functional.	A) AVAILABLE			B) FUNCTIONING		
			OBSER-VED	REPOR-TED, NOT SEEN	NO	YES	NO	DON'T KNOW
	01	Adult weighing scale (Digital or Manual)	1 ➔ b	2 ➔ b	3➔ 02	1	2	8
	02	Blood pressure apparatus (may be digital or manual sphygmomanometer with stethoscope)	1 ➔ b	2 ➔ b	3➔ 03	1	2	8
	03	Thermometer	1 ➔ b	2 ➔ b	3➔ 04	1	2	8
	04	Stethoscope	1 ➔ b	2 ➔ b	3➔ 05	1	2	8
	05	Light source that can be pointed for client examination (flashlight acceptable)	1 ➔ b	2 ➔ b	3➔ 06	1	2	8

	06	Child weighing scale- 250 gram gradation	1 → b	2 → b	3→ 07	1	2	8
	07	Infant weighing scale – 100 gram gradation	1 → b	2 → b	3→ 08	1	2	8
	08	Height board/stadiometer	1 → b	2 → b	3→ 09	1	2	8
	09	Facility provided device for measuring one minute (for counting respirations)	1 → b	2 → b	3→ 10	1	2	8
	10	Pulse oximeter	1 → b	2 → b	3→ 11	1	2	8
	11 S	Measuring tape	1	2	3			
	12	Mid-upper-arm circumference (MUAC) tape	1	2	3			
	13	ITN or vouchers for ITN	1	2	3			
	KEN14	Complete Community Health Volunteers (CHV) KIT	1	2	3			
	KEN15	Wheelchair	1 → b	2 → b	3→ KEN16	1	2	8
	KEN16	Emergency lamp (non-electric)	1 → b	2 → b	3→ KEN17	1	2	8
	KEN17	Drip stand (for intravenous solution)	1 → b	2 → b	3→ 2260	1	2	8

	E. OXYGEN FOR OUTPATIENT SERVICES			
	2260	Now I would like to know about the availability of oxygen for patients in the outpatient service area. Does this unit ever provide oxygen to patients?	YES.....1 NO.....2	→2270
	2261	Is there any oxygen currently in the unit?	YES.....1 NO.....2	→2263
	2262	Is oxygen called for from a central location if needed? IF YES ASK, How is oxygen supplied when needed?	YES, OXYGEN TANK/CYLINDER.....1 YES, OXYGEN CONCENTRATOR.....2 YES, BOTH TANK AND CONCENTRATOR.....3 NO.....4	→2264 →2264 →2264 →2270
	2263	Now I would like to see the following items and to know if they are functional or not		

		GENERAL OXYGEN EQUIPMENT	A) AVAILABLE IN GENERAL OUTPATIENT SERVICE AREA			B) FUNCTIONING		
			OBSERVED	REPORTED NOT SEEN	NOT AVAILA-BLE	YES	NO	DON'T KNOW
	01 S	Central/piped oxygen supply	1 → b	2 → b	3→02	1	2	8
	02	Oxygen concentrator	1 → b	2 → b	3→03	1	2	8
	03	Oxygen tank/cylinder with attached pressure gauge, pressure regulator	1 → b	2 → b	3→04	1	2	8
	04	Flowmeter for oxygen source, with gradations in ml	1 → b	2 → b	3→05	1	2	8
	05	Humidifier	1 → b	2 → b	3→06	1	2	8
	06	Oxygen delivery apparatus (key connecting tubes and mask/nasal prongs)	1 → b	2 → b	3→2270	1	2→ 2270	8→ 2270

	2264	At any time during the past 7 days has oxygen been unavailable for this unit for any reason?	YES.....1 NO.....2	→2270

	11.6 STANDARD PRECAUTIONS FOR INFECTION PREVENTION					
	2270 S	Please tell me if the following resources/supplies used for infection control are available in the general outpatient area of this facility today. ` ASK TO SEE EACH ITEM THAT IS AVAILABLE	OBSERVED	REPORTED, NOT SEEN	NO	
	01 S	Clean running water (piped, bucket with tap, or pour pitcher)	1	2	3	
	02 S	Soap (bar or liquid) for hand hygiene	1	2	3	
	03 S	Alcohol based hand rub/ hand sanitizer	1	2	3	
	04	Poster reminding staff about hand hygiene or showing good hand hygiene techniques	1	2	3	
	05	Disposable paper towels for drying hands	1	2	3	
	06 S	Disposable latex gloves (nonsterile)	1	2	3	
	07	Disposable latex gloves (sterile)	1	2	3	
	08 S	Waste receptacle bin with lid and plastic bin liner clearly marked, for example, by label or colour, for potentially infectious non-sharp waste	1	2→ 12	3→12	
	09 S	Does the waste receptacle for potentially infectious non-sharp waste have a functional foot pedal to open it?	1	2	3	
	12 S	Safety box (for sharps)	1	2	3	
	13 S	Environmental disinfectant (e.g., chlorine, alcohol)	1	2	3	
	14 S	Disposable syringes with disposable needles	1	2	3	
	15	Auto-disable syringes	1	2	3	
	16	Surgical/respiratory masks	1	2	3	
	17	N95 face masks	1	2	3	
	18	Non-sterile protective gowns	1	2	3	
	19	Sterile gowns	1	2	3	
	20	Aprons	1	2	3	
	21	Eye protection (goggles, face shields)	1	2	3	
	22	Gumboots or clogs	1	2	3	
	23	Hair cover	1	2	3	

24 IMAGING AND SPECIALTY TREATMENT SERVICES

Now I would like to know about specific diagnostic and treatment services that may be available for patients in this facility.

For each item I mention please tell me if the procedure or treatment is offered in this facility. If yes, please tell me if the equipment needed for the procedure is available and functioning today, whether staff trained to carry out the procedures are available either full or part-time, and where applicable, if results are interpreted onsite or sent offsite for interpretation.

IF THE RESPONDENT IS NOT SURE, ASK TO SPEAK WITH THE PERSON MOST FAMILIAR WITH THE PROCEDURE TO DETERMINE THE CORRECT RESPONSES.

			(a)		(b)		(c)			(d)	
			Is the procedure offered?		EQUIPMENT		Trained staff for conducting procedure/therapy			RESULTS INTERPRETED	
			YES	NO	Equipment available and functioning today	Equipment not available or not functioning today	Yes, onsite full-time	Yes, onsite part-time	Not available	ONSITE	OFFSITE
	4981	**B. PROCEDURES**									
	06	Electrocardiogram (ECG)	1→ b	2	1→ c	2→ c	1→d	2→ d	3 07	1	2
	07	Ultrasound	1→	2	1→ c	2→ c	1→d	2→ d	3	1	2

			b						4984		
		C. IMAGING PROCEDURES									
	4984	Does this facility perform any imaging procedures?	YES ..... 1 NO 2						→ 401		
		IF YOU ARE NOT ALREADY IN THE IMAGING DEPARTMENT, ASK TO GO THERE AND TO SPEAK WITH THE PERSON MOST FAMILIAR WITH MANAGEMENT FOR IMAGING. Does this facility perform any of the following procedures?									
			(a)		(b)		(c)			(d)	
			Is the procedure offered?		EQUIPMENT		Trained staff for conducting procedure/therapy			RESULTS INTERPRETED	
			YES	NO	Equipment available and functioning today	Equipment not available or not functioning today	Yes, onsite full-time	Yes, onsite part-time	Not available	ONSITE	OFFSITE
	4985	**PROCEDURE**									
	02 S	X-ray	1→ b	2→ 06	1→ c	2→ c	1→ d	2→ d	3→ 06	1	2
	03	Unexpired film for x-ray			1	2					
	06 S	CT scan	1→ b	2→ 400	1→ c	2→ c	1→ d	2→ d	3→ 400	1	2

	4.1 RADIOGRAPHIC AND TREATMENT PROCEDURES				
		For each item I mention please tell me if the diagnostic or treatment procedure is offered in this facility.	YES		NO
			AVAILABLE NOW	NOT AVAILABLE NOW	
	400	**IMAGING DIAGNOSTICS AND PROCEDURES**			
	03	Mammography	1	2	3
	04	Fluoroscopy	1	2	3
	06	Angiography/catheterization	1	2	3
	07	Magnetic Resonance Imaging (MRI)	1	2	3
	08	Nuclear Medicine	1	2	3
	401	**OTHER DIAGNOSTICS**			
	01	Colonoscopy	1	2	3
	02	Electro Encephalogram (EEG)	1	2	3
	402	MEDICAL EQUIPMENT FOR TREATMENTS			
	01	Phototherapy machine	1	2	3
	02	Infant incubator	1	2	3
	03	Anaesthesia machine	1	2	3
	04	Defibrillator	1	2	3
	05	Ventilator	1	2	3
	06	Radiotherapy machine	1	2	3
	07	Renal dialysis/hemodialysis machine	1	2	3
	403	OTHER INTERVENTIONS FOR TREATMENTS	YES		NO
		Does this facility offer any of the following interventions?	AVAILABLE NOW	NOT AVAILABLE NOW	
42.2	01	Blood transfusion	1	2	3
42.2	02	Oxygen administration	1	2	3

	4.3 DIAGNOSTIC AND RADIOGRAPHIC/TREATMENT SERVICES AVAILABLE FOR PATIENTS FROM OTHER FACILITIES				
	420	Which of the following services does this facility provide for clients from other facilities?	YES	NO	
	01	Diagnostic tests for referred clients or specimens	1	2	
	02	Treatment not available at site referring client	1	2	
	03	OTHER _____ (SPECIFY)	1	2	

	13 INFECTIOUS AND COMMUNICABLE DISEASES			
	13.1 MALARIA SERVICES			
188	2350	Does this facility offer diagnosis and/or treatment of malaria?	YES ..... 1 NO 2	➔2400
		ASK TO BE SHOWN THE LOCATION IN THE FACILITY WHERE MALARIA SERVICES ARE PROVIDED. FIND THE PERSON MOST KNOWLEDGEABLE ABOUT MALARIA SERVICES IN THE FACILITY. INTRODUCE YOURSELF, EXPLAIN THE PURPOSE OF THE SURVEY AND ASK THE FOLLOWING QUESTIONS.		
37	2351	Does the facility have links with Community Health Volunteers for any malaria related services?	YES ..... 1 NO..... 2	
	A DIAGNOSIS AND TREATMENT OF MALARIA			
188.1	2354	Do providers in this facility diagnose malaria?	YES ..... 1 NO 2	➔4400
189.1	2356	Does this facility have malaria rapid diagnostic test kits (with valid expiration date) in stock in this service site today? CHECK TO SEE IF VALID (NOT EXPIRED)	YES, OBSERVED..... 1 YES, REPORTED, NOT SEEN..... 2 NO.....3	➔2359
189.2	2357	Has there been a stock-out of malaria RDT kits in the past 4 weeks?	YES ..... 1 NO 2	
	B. STANDARD PRECAUTIONS FOR INFECTION PREVENTION			
	KEN2359	Are malaria rapid test conducted in a place different from the general OPD	YES ..... 1 NO 2	➔4400

	2359	Please tell me if the following resources/supplies used for infection control are available where the malaria rapid test is conducted in this service site. ASK TO SEE EACH ITEM THAT IS AVAILABLE	**OBSERVED**	**REPORTED, NOT SEEN**	**NO**	
	01	Clean running water (piped, bucket with tap, or pour pitcher)	1	2	3	
	02	Soap (bar or liquid) for hand hygiene	1	2	3	
	03	Alcohol based handrub/ hand sanitizer	1	2	3	
	04	Poster reminding staff about hand hygiene or showing good hand hygiene techniques	1	2	3	
	05	Disposable paper towels for drying hands	1	2	3	
	06 S	Disposable latex gloves (nonsterile)	1	2	3	
	07	Disposable latex gloves (sterile)	1	2	3	
	08 S	Waste receptacle bin with lid and plastic bin liner clearly marked, for example, by label or colour, for potentially infectious non-sharp waste	1	2 ↵ 12	3 ↵ 12	
	09	Does the waste receptacle for potentially infectious non-sharp waste have a functional foot pedal to open it?	1	2	3	
	12	Safety box (for sharps)	1	2	3	

	13	Environmental disinfectant (e.g., chlorine, alcohol)	1	2	3	
	14	Disposable syringes with disposable needles	1	2	3	
	15	Auto-disable syringes	1	2	3	
188.1	2360	Do providers in this facility prescribe treatment for malaria?	YES ..... 1 NO 2		1 2	

	13.2 NEGLECTED TROPICAL DISEASES (NTD)						
450	2400	Does this facility offer diagnosis and treatment for any other tropical diseases commonly called "neglected tropical diseases" such as lymphedema, soil transmitted helminths, schistosomiasis, trachoma, onchocerciasis (ONCO), Lymphatic filariasis (LF), visceral leishmaniasis, or dengue and guinea worm (Ginger), which are priority diseases in Kenya? IF YES, ASK: Which of the following NTDs does this facility diagnose and treat?	YES ..... 1 NO 2				➔2550
	2401	DISEASE	YES			NO	
			INPATIENT ONLY	OUT-PATIENT ONLY	BOTH IN AND OUT-PATIENT		
	01	Lymphedema from any disease	1	2	3	4	
	02	Soil transmitted helminths (roundworm, hookwom, whipworm)	1	2	3	4	
	03	Schistosomiasis (bilharzia)	1	2	3	4	
	04	Trachoma	1	2	3	4	
	05	Onchocerciasis (ONCO)	1	2	3	4	
	06	Lymphatic filariasis (LF) including hydrocele or lymphedema	1	2	3	4	
	07	Dengue	1	2	3	4	
	08	Guinea-worm disease (Dracunculiasis or Ginger)	1	2	3	4	
	09	Visceral leishmaniasis	1	2	3	4	
		A. SUPPORT FOR QUALITY NTD SERVICES					
37	2406	Does the facility support any services related to any of the previously mentioned tropical illnesses <u>outside of this facility</u>, including links with CHVs?	YES ..... 1 NO 2				➔2550
	2407	Which of the following community-based services related to neglected tropical diseases does this facility either support or provide?	STAFF PROVIDE SERVICE	STAFF SUPPORT OTHERS OUTSIDE FACILITY PROVIDING SERVICE	FACILITY NOT INVOLVED IN SERVICE		
	01	Mass drug administration (MDA)	1	2	3		
	02	Active case findings	1	2	3		
	03	Contact tracing activities	1	2	3		
	04	Vector surveillance control activities (e.g. reducing breeding sites in and around homes, abate treatment) for NTDs (not malaria-related) such as river valley fever (RVF))	1	2	3		
	05	Veterinary public health interventions (e.g. vaccination of dogs to prevent human rabies, vaccination and other preventive measures for anthrax)	1	2	3		

	06	Community awareness for any of the neglected tropical diseases (NTD)?	1	2	3	
	KEN07	School health programs	1	2	3	
	2408	Is there a specific facility focal or liaison person identified who is responsible for linking the facility and community for any activities related to any of the mentioned neglected tropical diseases?	YES..... NO			

	13.3 SEXUALLY TRANSMITTED INFECTIONS					
280	2550	Does this facility offer diagnosis and/or treatment of STIs other than HIV?	YES ..... 1 NO..... 2			➔4110
	KEN2551	Which of the following STIs does this facility diagnose and/or treat?	DIAGNOSE AND TREAT	DIAGNOSE ONLY	NO DIAGNOSIS OR TREATMENT	
	01	Gonorrhea	1	2	3	
	02	Syphilis	1	2	3	
	03	Chlamydia	1	2	3	
	04	Trichomoniasis	1	2	3	
	05	Others (specify) _____	1	2	3	

	18 VOLUNTARY MALE MEDICAL CIRCUMCISION (VMMC)			
245	4110	Does this facility offer voluntary male medical circumcision services as an outpatient service?	YES ..... 1 NO 2	➔2600
	4111	Is voluntary male medical circumcision available for adolescents? IF YES, CLARIFY IF GUARDIAN CONSENT IS REQUIRED OR NOT	YES, GUARDIAN CONSENT REQUIRED ..... 1 YES, NO GUARDIAN CONSENT REQUIRED ..... 2 NO 3	

	14 NON-COMMUNICABLE DISEASES			
	14.1. CHRONIC DISEASES			
	2600[S]	Does this facility offer diagnosis or management of chronic diseases such as diabetes, cardiovascular disease, chronic respiratory disease?	YES ..... 1 NO..... 2	➔2601
	KEN 2600	Does this facility offer preventive services related to chronic diseases?	YES ..... 1 NO..... 2	➔2650

		A. SYSTEMS TO SUPPORT QUALITY SERVICES FOR CHRONIC DISEASES		
304	2601	Is there a register or database for patients who are diagnosed with NCDs where information such as when patient's start treatment, compliance and outcomes are recorded? IF YES, ASK TO SEE THE REGISTER	YES, START AND OUTCOMES/ COMPLIANCE INFORMATION AVAILABLE..... YES, START RECORDED ..... NO.....	
	2602	Does the facility have an appointment system for routine follow-up for patients diagnosed with NCDs? IF YES, ASK TO SEE AN APPOINTMENT SCHEDULE FOR ANY NCD	YES, SCHEDULE OBSERVED ..... YES, REPORTED, NO SCHEDULE SEEN ..... NO.....	
	2604	Are individual patient records (paper/electronic) maintained for patients with chronic diseases? IF YES, ASK TO SEE A PATIENT TREATMENT CARD	YES, OBSERVED..... YES, REPORTED, NOT SEEN..... NO.....	
		B. DIABETES		
302	2615[S]	Do providers in this facility diagnose and/or manage diabetic patients?	YES ..... 1 NO 2	

		C. CARDIOVASCULAR DISEASE (CVD)				
285	2625[S]	Do providers in this facility diagnose and/or manage cardiovascular diseases such as hypertension in patients?	YES ..... 1 NO 2			➔2635
285.1	2626	Which of the following CVDs does this facility diagnose and treat or refer?	DIAGNOSE, TREAT, AND PATIENT FOLLOW-UP	PATIENT FOLLOW-UP ONLY	NO SERVICE/ REFER SUSPECT CASE	
285.1	01	Hypertension	1	2	3	
285.1	02	Acute myocardial infarction	1	2	3	
285.1	03	Congestive heart failure	1	2	3	
285.1	04	Cerebral vascular event (stroke)	1	2	3	
		D. CHRONIC RESPIRATORY DISEASE (CRD)				
294	2635[S]	Do providers in this facility diagnose and/or manage chronic respiratory diseases (e.g asthma, bronchitis, COPD)?	YES ..... 1 NO 2			➔KEN2638
	2637[S]	Please tell me if the following basic equipment items are available and functional in this service area today.	A) AVAILABLE		B) FUNCTIONING	
			YES	NO	YES	NO	DON'T KNOW
295.1	01[S]	Peak flow meters	1 → B	2➔02	1	2	8
295.1	02[S]	Spacers for inhalers	1 → B	2➔KEN03	1	2	8
	KEN03	Nebulizers	1 → B	2➔KEN04	1	2	8

	KEN04	Masks for babies/young infants	1 → B	2➔KEN2638	1	2	8
	E. OTHER CHRONIC DISEASES						
	KEN2638	Do providers in this facility diagnose and/or manage c**hronic kidney di**sease?	YES ..... 1 NO 2				
	14.2. CANCER						
409.0	2650	Does this facility offer screening, diagnosis and/or treatment services for any cancers?	YES .....1 NO.....2				➔2740
	IF CANCERS ARE DIAGNOSED AND TREATED IN A DIFFERENT LOCATION THAN WHERE YOU ARE, ASK TO BE SHOWN THE LOCATION IN THE FACILITY WHERE SERVICES FOR CANCER ARE PROVIDED. FIND THE PERSON MOST KNOWLEDGEABLE ABOUT CANCER SERVICES IN THE FACILITY. INTRODUCE YOURSELF, EXPLAIN THE PURPOSE OF THE SURVEY AND ASK THE FOLLOWING QUESTIONS.						
		C CERVICAL CANCER					
	2660	Does this facility have any services for diagnosing cervical cancer?	YES.....1 NO 2				➔2670
	2661	ASK TO SPEAK WITH THE MOST KNOWLEDGEABLE PERSON ABOUT THE CERVICAL CANCER DIAGNOSTIC SERVICES					
145.1		Which of the following services for cervical cancer diagnosis does this facility offer			YES	NO	
145.1	01	Collect PAP smear specimen			1	2	
145.1	02	Read PAP smear results			1	2	
145.1	03	Read results for HPV test			1	2	
145.1	04	Colposcopy and biopsy			1	2	
	05	Perform digital Cervicography			1	2	
145.1	06	Treatment of pre-invasive cervical cancer lesions (e.g., cryotherapy, thermal/cold coagulation, LEEP)			1	2	

	2663	**Please tell me if the following basic equipment/items are available in this service area today.**	**A) AVAILABLE**			**B) FUNCTIONING**		
			YES, OBSERVED	YES, REPORTED, NOT SEEN	NO	YES	NO	DON'T KNOW
	01	Acetic acid or Lugol's iodine for visual inspection (VIA or VIA/VILI)	1	2	3			
	02	Speculum	1 → b	2 → b	3➔03	1	2	8
147.1	03	Glass slides	1	2	3			
147.1	04	Latex gloves	1	2	3			
147.1	07	Digital Cervicography equipment	1 → b	2 → b	3➔08	1	2	8

	08	Colposcopy equipment	1 → b	2 → b	3➔09	1	2	8
	09	Materials for providing Loop Electrosurgical Excision Procedure (LEEP)	1 → b	2 → b	3➔10	1	2	8
	10	Materials for providing cryotherapy/thermal-cold coagulation	1 → b	2 → b	3➔11	1	2	8
	11	HPV test (e.g., Cervista test)	1 → b	2 → b	3➔2670	1	2	8

		D BREAST CANCER				
410.1	2670	Does this facility screen for or diagnose breast cancer?	YES.....1 NO 2			➔2680
	2671	Which of the services for diagnosing and/or treating breast cancer are used in this facility?	PERFORM IN FACILITY	REFER FOR TEST	NOT DONE	
410.1	01	Manual breast examination	1	2	3	
410.1	02	Mammography	1	2	3	
410.1	03	Fine needle aspiration cytology	1	2	3	
410.1	04	Core needle biopsy of lump specimen	1	2	3	
410.1	05	Chemotherapy	1	2	3	
410.1	06	Radiation therapy	**1**	**2**	**3**	
410.1	07	Lumpectomy	**1**	**2**	**3**	
410.1	08	Mastectomy	**1**	**2**	**3**	
410.1	09	Outpatient maintenance treatment for breast cancer	**1**	**2**	**3**	
	KEN10	Breast ultrasound for young girls				

		E. COLORECTAL CANCER			
410.4	2680	Does this facility screen for, diagnose or treat colorectal cancer?	YES..... NO		➔KEN2682
410.4	2681	Which of the following methods are used for screening for, diagnosing, or treating colorectal cancer	PERFORM IN FACILITY	REFER FOR TEST	NOT DONE
410.4	01	Stool guaiac test	1	2	3
410.4	02	Colonoscopy	1	2	3
410.4	03	Biopsy of colon polyp	1	2	3
	04	Surgical interventions	1	2	3
	05	Chemotherapy	1	2	3
	KEN06	Radiation therapy	1	2	3
		F. PROSTATE CANCER			
	KEN2682	Does this facility screen for, diagnose or treat prostate cancer?	YES..... NO		➔4400
	KEN2683	Which of the services for diagnosing and/or treating prostate cancer are used in this facility?	PERFORM IN FACILITY	REFER FOR TEST	NOT DONE

	01	Digital Rectal Examination (DRE)	1	2	3
	02	Prostate Specific Antigen (PSA) Testing	1	2	3
	03	Prostate Biopsy	1	2	3
	04	Surgical Interventions	1	2	3
	05	Radiation Therapy	1	2	3

20.6 OUTPATIENT CARE FOR THE SMALL OR SICK NEWBORN

	4400	Does this facility provide any outpatient services for the low-birth-weight/sick newborn? IF YES, CLARIFY IF THE OUTPATIENT SITE PROVIDES TREATMENT OR REFERS ONLY.	YES, PROVIDES TREATMENT.....1 YES, REFERRAL ONLY TO: INPATIENT CARE IN THIS FACILITY.....2 TO OTHER FACILITY.....3 NO 4	 ➔KEN9555 ➔KEN9555 ➔KEN9555
	Now I would like to know about services provided in this facility in the outpatient service area for the low-birth-weight/sick newborn. IF THE INDICATED SERVICE IS PROVIDED IN THE OUTPATIENT SERVICE PROVIDERS MAKE SURE YOU SPEAK TO THE MOST KNOWLEDGEABLE PERSON ABOUT THE SERVICE.			
	4401	Is kangaroo mother care (KMC) ever provided for premature or underweight newborns who come to the outpatient service area after delivery?	YES.....1 NO 2	➔4410
		Which of the following are present for KMC in the outpatient service area		
	4402	Is there a bed or location where the caregiver providing KMC stays overnight while providing KMC? IF YES, ASK: May I see where the caregiver stays while providing KMC?	YES, OBSERVED.....1 YES, REPORTED, NOT SEEN.....2 NO 3	
	4403	Is there a register where it is recorded when KMC is provided [REFERENCE THE KENYA TOOL]? IF YES ASK, May I see it?	YES, OBSERVED.....1 YES, REPORTED, NOT SEEN.....2 NO 3	
	4410	**Are newborns with symptoms of sepsis ever provided services or referral in the outpatient service area?**	**YES.....1** **NO 2**	**➔KEN9555**

	4411	When there is a probable case of neonatal sepsis, what routine practices are taken for managing the case? FOR EACH PRACTICE, CLARIFY IF THIS IS ALWAYS, SOMETIMES, OR NEVER PRACTICED	YES ALWAYS	YES SOMETIMES	NEVER	
	01	Immediate referral to unit within the facility without providing any medicine?	1➔4450	2	3	
	KEN01	Immediate referral to unit outside the facility without providing any medicine?	1➔4450	2	3	
	02	Provide one dose injectable antibiotic and then refer within the facility?	1➔4450	2	3	
	KEN02	Provide one dose injectable antibiotic and then refer outside the facility?	1➔4450	2	3	
	03	Prescribe the full antibiotic regimen and follow up	1	2	3	

	KEN9555	Is there a paediatric outpatient service area that is different from the area serving adults in this facility?	YES ..... 1 NO..... 2	➔2730

39.1	KEN9556	INDICATE IF THE FOLLOWING WAS OBSERVED IN THE UNIT	YES	NO	NOT APPLICABLE	
39.1	01	FLOOR: SWEPT, NO OBVIOUS DIRT OR WASTE	1	2		
39.1	02	COUNTERS/TLES/CHAIRS: WIPED CLEAN- NO OBVIOUS DUST OR WASTE	1	2		
39.1	03	NEEDLES, SHARPS BOX MORE THAN ¾ FULL, OR ANY USED NEEDLES/SHARPS OUTSIDE THE BOX	1	2		
39.1	04	SHARPS BOX TORN/PIERCED	1	2		
39.1	05	BANDAGES/INFECTIOUS WASTE LYING UNCOVERED	1	2		
39.1	06	WERE STAFF WEARING APPROPRIATE UNIFORMS IN THIS UNIT?	1	2		
39.1	07	WERE STAFF WEARING ID BADGES IN THIS UNIT?	1	2		
39.1	08	WERE NON-SMOKING SIGNS OBSERVED IN THIS UNIT?	1	2		
39.1	09	IS THE PATIENT TOILET CLEAN WITH NO FAECAL MATERIAL OR BLOOD ON THE TOILET, FLOOR, OR WALLS?	1	2	5	
39.1	10	Functioning hand hygiene stations (that is, alcohol-based handrub solution or soap and water with a basin/pan and clean single-use towels)	1	2		

	15.2 PALLIATIVE CARE				
407	2730	Does this facility offer any palliative care services?	YES ..... 1 NO 2		➔2740
	2731	Which of the following palliative health services are offered in this facility?	YES	NO	
407.1	01	Inpatient palliative care	1	2	
407.1	02	Outpatient palliative care	1	2	
407.1	03	Home-care for palliative care	1	2	
407.1	04	Linkages with other organizations providing home-based palliative care	1	2	

	15.3 REHABILITATIVE CARE				
	2740	Does this facility offer any rehabilitative or physical therapy care services?	YES ..... 1 NO 2		➔2700
	2742	Next, I want to know about the trained rehabilitation staff who are available for services in this facility. For each qualification I mention, please tell me how many full time and part time persons with the qualifications are employed by this facility	FULL TIME	PART-TIME	
	01	Registered physical therapist	☐☐	☐☐	
	02	Registered occupational therapists	☐☐	☐☐	
	03	Registered speech/language therapists	☐☐	☐☐	
	04	Rehabilitation medical doctors	☐☐	☐☐	
	05	Rehabilitation nurse	☐☐	☐☐	
	06	Prosthetists and Orthotist	☐☐	☐☐	
		Additional staff available for rehabilitation patients			
	07	Psychologist or medical sociologist	☐☐	☐☐	
	08	Audiologist	☐☐	☐☐	
	09	Low Vision Specialist	☐☐	☐☐	
	KEN10	Orthopaedic technicians	☐☐	☐☐	
	KEN11	Plaster technicians	☐☐	☐☐	
	96	Other trained rehabilitation staff, including therapy assistants _____ (SPECIFY)	☐☐	☐☐	

	A. PHYSICAL THERAPY TREATMENT SPACE						
	2743	Is there a therapy treatment space specific for physical therapy services? IF YES, ASK TO GO TO THIS SITE AND TO SPEAK WITH THE MOST KNOWLEDGEABLE PERSON FOR THESE SERVICES WHO IS PRESENT TODAY.	YES ..... 1 NO..... 2				➔2700
			a) AVAILABLE			**b) FUNCTIONAL**	
	2744	I would like to see different equipment and consumables for rehabilitation services. For each item I ask about, please show me equipment and clarify if it is functional or not.	YES, OBSERVED	YES, REPORTED NOT SEEN	NO	YES	NO
643	01	Parallel bars	1 → b	2	3 02 ↵	1	2
643	02	Height adjustable treatment bed/plinth	1 → b	2	3 03 ↵	1	2

643	03	Upper limb exercise equipment (weights/ pulleys/ TheraBand)	1 → b	2	3 → 04	1	2
643	04	Measuring tape / Goniometer	1 → b	2	3 → 05	1	2
643	05	Walking frames/crutches/walking sticks	1 → b	2	3 → 06	1	2
643	06	Compression bandages / tubigrip	1 → b	2	3 → 07	1	2
643	07	Casting and Splinting Kit	1 → b	2	3 → 08	1	2
643	08	Audiometric equipment and booth	1 → b	2	3 → 09	1	2
643	09	Any equipment for paediatric rehabilitation (mats/toys/walking frames/standing frames)	1 → b	2	3 → 10	1	2
643	10	Any patient education materials	1 → b	2	3 → 2700	1	2

15 SERVICES FOR SPECIAL NEEDS

15.1 MENTAL HEALTH SERVICES

324	2700	Does this facility offer any services for mental and/or neurological conditions?	YES ..... 1 NO 2	→ END

			YES OFFERED		NOT OFFERED		
	2701	For each service I ask about please tell me if the service is offered in this facility and, if yes, if it is offered as an inpatient, an outpatient, or both an in and outpatient service,	INPATIENT ONLY	OUTPATIENT ONLY	BOTH IN AND OUTPATIENT		
324.1	01	Mental disorders (depression, psychosis and bipolar disorder)	1	2	3	4	
324.1	02	Neurological disorders (epilepsy, autism and dementia)	1	2	3	4	
324.1	03	Mental health inpatient ward is available	1			4	
324.1	04	Neurological inpatient ward is available	1			4	

ASK TO GO TO WHERE OUTPATIENT MENTAL HEALTH SERVICES ARE OFFERED AND ASK TO SPEAK WITH THE PERSON MOST KNOWLEDGEABLE ABOUT THE MENTAL HEALTH SERVICES. EXPLAIN THE SURVEY AND THAT THE INCHARGE HAS GIVEN PERMISSION FOR DATA COLLECTION.

		DIAGNOSES ONLY	PROVIDES PATIENT FOLLOW UP ONLY	DIAGNOSES AND PROVIDES PATIENT FOLLOW UP	NO SERVICE	
2702	Now I would like to know about specific types of mental and neurological services offered. For each diagnosis I mention, please tell me if this facility diagnoses and/or provides patient follow-up for the condition					
01	Depression	1	2	3	4	
02	Psychosis	1	2	3	4	
03	Bipolar Disorder	1	2	3	4	
04	Epilepsy	1	2	3	4	
05	Dementia	1	2	3	4	

2709	Does this facility have any links with community services for mental/neurological health services?	YES ..... 1 NO 2	

PLEASE ASK IF THE FACILITY HAS THE FOLLOWING INPATIENT WARDS. IF YES, GO TO THE WARD AND OBSERVE THE CONDITIONS TO ANSWER THE FOLLOWING QUESTIONS.

	9566	Does this facility have a general medical ward/unit? IF YES, GO TO THE MEDICAL WARD/UNIT	YES.....1 NO 2			➔9568
39.1	9567	INDICATE IF THE FOLLOWING WAS OBSERVED IN THE UNIT	YES	NO	NOT APPLICABLE	
39.1	01	FLOOR: SWEPT, NO OBVIOUS DIRT OR WASTE	1	2		
39.1	02	COUNTERS/TABLES/CHAIRS: WIPED CLEAN- NO OBVIOUS DUST OR WASTE	1	2		
39.1	03	NEEDLES, SHARPS BOX MORE THAN ¾ FULL, OR ANY USED NEEDLES/SHARPS OUTSIDE THE BOX	1	2		
39.1	04	SHARPS BOX TORN/PIERCED	1	2		
39.1	05	BANDAGES/INFECTIOUS WASTE LYING UNCOVERED	1	2		
39.1	06	WERE ALL STAFF WEARING APPROPRIATE UNIFORMS IN THIS UNIT?	1	2		
39.1	07	WERE STAFF WEARING NAME TAGS IN THIS UNIT?	1	2		
39.1	08	WERE NON-SMOKING SIGNS OBSERVED IN THIS UNIT?	1	2		
	09	IS THE PATIENT TOILET CLEAN WITH NO FAECAL MATERIAL OR BLOOD ON THE TOILET, FLOOR, OR WALLS?	1	2	5	
39.1	10	Functioning hand hygiene stations (that is, alcohol-based handrub solution or soap and water with a basin/pan and clean single-use towels)	1	2		

	9568	Does this facility have a paediatric ward/unit? IF YES, GO TO THE PAEDIATRIC WARD/UNIT	YES..... 1 NO 2			➔END
39.1	9569	INDICATE IF THE FOLLOWING WAS OBSERVED IN THE UNIT	YES	NO	NOT APPLICABLE	
39.1	01	FLOOR: SWEPT, NO OBVIOUS DIRT OR WASTE	1	2		
39.1	02	COUNTERS/TABLES/CHAIRS: WIPED CLEAN- NO OBVIOUS DUST OR WASTE	1	2		
39.1	03	NEEDLES, SHARPS BOX MORE THAN ¾ FULL, OR ANY USED NEEDLES/SHARPS OUTSIDE THE BOX	1	2		
39.1	04	SHARPS BOX TORN/PIERCED	1	2		
39.1	05	BANDAGES/INFECTIOUS WASTE LYING UNCOVERED	1	2		
39.1	06	WERE ALL STAFF WEARING APPROPRIATE UNIFORMS IN THIS UNIT?	1	2		
39.1	07	WERE STAFF WEARING NAME TAGS IN THIS UNIT?	1	2		
39.1	08	WERE NON-SMOKING SIGNS OBSERVED IN THIS UNIT?	1	2		
39.1	09	IS THE PATIENT TOILET CLEAN WITH NO FAECAL MATERIAL OR BLOOD ON THE TOILET, FLOOR, OR WALLS?	1	2	5	
39.1	10	Functioning hand hygiene stations (that is, alcohol-based handrub solution or soap and water with a basin/pan and clean single-use towels)	1	2		

	F. BULK STORE PHARMACEUTICAL COMMODITY STORAGE			
29.2	9660	Is there a bulk store in this facility for pharmaceuticals? IF YES, ASK TO BE TAKEN TO THE BULK STORE FOR PHARMACEUTICALS.	YES.....1 NO 2	➔6500
29.2	Now I would like to assess the storage conditions in the bulk store for pharmaceutical commodities. ASK TO SPEAK WITH THE PERSON MOST KNOWLEDGEABLE ABOUT THE BULK STORE FOR PHARMACEUTICAL COMMODITIES. IF THE RESPONDENT IS DIFFERENT FROM EARLIER, INTRODUCE YOURSELF, EXPLAIN: The in-charge has agreed that this facility can participate in this national survey of facilities with inpatient services that is being conducted by the Ministry of Health. I am interested in seeing the bulk store for pharmaceutical commodities to assess the store conditions.			
29.2	9661	OBSERVE THE BULK PHARMACY STORE AND INDICATE THE PRESENCE (OR ABSENCE) OR EACH OF THE FOLLOWING CONDITIONS	YES / NO	
29.2	01	ARE THE MEDICINES OFF THE FLOOR?	1 / 2	
29.2	02	ARE THE MEDICINES AT RISK OF WATER DAMAGE FROM LEAKS OR OTHER SOURCES?	1 / 2	
29.2	03	ARE THE MEDICINES PROTECTED FROM DIRECT SUNLIGHT?	1 / 2	
29.2	04	IS THERE EVIDENCE OF RODENTS (BATS, RATS) OR PESTS (COCKROACHES, ETC.? IN THE ROOM?	1 / 2	
	05	IS THE ROOM SWEPT, WITH NO SPILLS OR OBVIOUS DIRT ON COUNTERS OR FLOOR?	1 / 2	
	06	AIRFLOW SUFFICIENT TO REDUCE RISK OF MOLD AND MILDEW	1 / 2	
	9662	LOOK AT THE STORAGE AREA AND VERIFY ITEM WITH RESPONDENT	YES / NO	
	01	Can the bulk pharmaceutical storage area(s) be locked?	1 / 2	
	02	Is there limited access to the bulk pharmaceutical storage areas?	1 / 2	
	03	OBSERVE IF ALL DOORS THAT SEPARATE THE PHARMACEUTICAL STORAGE AREA FROM NON-PHARMACEUTICAL STORAGE AREAS ARE SOLID	1 / 2	
	04	OBSERVE IF WINDOWS HAVE BARS OR SHUTTERS OR OTHER MEANS FOR SECURITY	1 / 2	
29.2	9663	Is there a thermometer for the room? IF YES, ASK: May I see the thermometer? CHECK TO SEE IF THE THERMOMETER IS FUNCTIONING.	YES, FUNCTIONING.....1 YES, NOT FUNCTIONAL.....2 NO 3	➔6500 ➔6500
29.2	9664	RECORD THE TEMPERATURE AT THE TIME OF THE SURVEY	BELOW 15 DEGREES C .....1 BETWEEN 15-25 DEGREES C (INCLUSIVE).....2 ABOVE 25 DEGREES C.....3	
29.2	9665	Is there a functioning refrigerator, separate from one used for vaccines that is used to store some medicines, or reconstituted vials? IF YES, ASK TO SEE THE REFRIGERATOR AND INDICATE IF IT IS FUNCTIONING OR NOT	OBSERVED, FUNCTIONING .....1 OBSERVED, NOT FUNCTIONING .....2 NO FRIDGE FOR MEDICINES 3	➔6500 ➔6500
29.2	9666	CHECK THE THERMOMETER FOR THE REFRIGERATOR AND RECORD THE TEMPERATURE AT THE TIME OF THE SURVEY	BETWEEN 2-8 DEGREES C (INCLUSIVE).....1 OUT OF RANGE.....2	
29.2	9667	OBSERVE INSIDE REFRIGERATOR. IS IT CLEAN? E.G., NO SPILLED MEDICINES, NO GARBAGE, ETC.	YES ..... 1 NO 2	

	9668	ARE THERE ANY FOOD PRODUCTS OR OTHER NON-PHARMACEUTICALS STORED IN THE REFRIGERATOR TODAY?	YES ..... 1 NO 2	

28 PHARMACEUTICAL AND OTHER CONSUMABLE COMMODITY MANAGEMENT AND AVAILABILITY

Now I would like to assess the availability and management of pharmaceutical and other consumable commodities. ASK TO SPEAK WITH THE PERSON MOST KNOWLEDGEABLE ABOUT AVAILABILITY AND MANAGEMENT OF PHARMACEUTICALS IN THE FACILITY. INTRODUCE YOURSELF, EXPLAIN:

The in-charge has agreed that this facility can participate in this national survey of facilities with inpatient services that is being conducted by the Ministry of Health. I am interested in learning about the availability and management of pharmaceutical commodities in this facility.

First, I would like to check on the availability of consumable commodities such as needles and syringes. Please show me the main storage site for these types of commodities and for each item I ask about, if the facility has the item, please show it to me.

28.1 NON PHARMACEUTICAL COMMODITIES

	COMMODITY	(a) AVAILABILITY					(b) Any stockout in the last 3 months?	
		OBSERVED		NOT OBSERVED				
		AT LEAST ONE NOT EXPIRED	AVAILABLE BUT EXPIRED	REPORTED AVAILABLE BUT NOT SEEN	NOT AVAILABLE TODAY	NEVER AVAILABLE	YES	NO
6500	***A. CONSUMABLE SUPPLIES FOR SERVICES***							
01[S]	Suture material absorbable	1	2	3	4	5		
02[S]	Needles for suturing	1	2	3	4	5		
03[S]	Non-absorbable suture material	1	2	3	4	5		
04[S]	Intravenous infusion set	1	2	3	4	5		
05	Blood giving set	1	2	3	4	5		
06	Intravenous cannula (any size)	1	2	3	4	5		
07	Intravenous cannula gauge 14 or 16	1	2	3	4	5		
08	Intravenous cannula gauge 18	1	2	3	4	5		
09	Intravenous cannula gauge 20	1	2	3	4	5		
13	Sterile needles Gauge 19	1	2	3	4	5		
14	Sterile needles Gauge 21	1	2	3	4	5		
15	Sterile needles Gauge 23	1	2	3	4	5		
16	Disposable syringes 2 or 3 ml	1	2	3	4	5		
KEN17	Disposable syringes 5 ml	1	2	3	4	5		
17	Disposable syringes 10ml	1	2	3	4	5		

Now I would like to assess the availability and management of pharmaceutical and other consumable commodities. ASK TO SPEAK WITH THE PERSON MOST KNOWLEDGEABLE ABOUT AVAILABILITY AND MANAGEMENT OF PHARMACEUTICALS IN THE FACILITY. INTRODUCE YOURSELF, EXPLAIN:

The in-charge has agreed that this facility can participate in this national survey of facilities with inpatient services that is being conducted by the Ministry of Health. I am interested in learning about the availability and management of pharmaceutical commodities in this facility.

First, I would like to check on the availability of consumable commodities such as needles and syringes. Please show me the main storage site for these types of commodities and for each item I ask about, if the facility has the item, please show it to me.

28.1 NON PHARMACEUTICAL COMMODITIES

	COMMODITY	(a) AVAILABILITY					(b) Any stockout in the last 3 months?	
		OBSERVED		NOT OBSERVED				
		AT LEAST ONE NOT EXPIRED	AVAILABLE BUT EXPIRED	REPORTED AVAILABLE BUT NOT SEEN	NOT AVAILABLE TODAY	NEVER AVAILABLE	YES	NO
18	% chlorhexidine solution (*for umbilical cord or cleaning perineum/cervix or skin disinfectant)*[3]	1	2	3	4	5		
19	Materials for splinting extremities	1	2	3	4	5		
20	Material for casts	1	2	3	4	5		
21	Disposable latex examination gloves	1	2	3	4	5		
23	Sterile gauze swabs (any size)	1	2	3	4	5		
24	Adhesive tape (strapping)	1	2	3	4	5		
25	Male condoms for non-family planning services	1	2	3	4	5		
26	Straight urinary catheter	1	2	3	4	5		
27	Urinary catheter with bulb for indwelling	1	2	3	4	5		
28	Urine collection bag for use with indwelling urinary catheter	1	2	3	4	5		
	B. Protective Clothing And Materials For Standard Precautions For Infection Prevention							
650101	Surgical/respiratory masks	1		3	4	5		
02	N95 face masks	1		3	4	5		
03	Non-sterile protective gowns	1		3	4	5		
04	Sterile gowns	1		3	4	5		
05	Aprons	1		3	4	5		
06	Eye protection (goggles, face shields)	1		3	4	5		
07	Gumboots or clogs	1		3	4	5		

Now I would like to assess the availability and management of pharmaceutical and other consumable commodities. ASK TO SPEAK WITH THE PERSON MOST KNOWLEDGEABLE ABOUT AVAILABILITY AND MANAGEMENT OF PHARMACEUTICALS IN THE FACILITY. INTRODUCE YOURSELF, EXPLAIN:

The in-charge has agreed that this facility can participate in this national survey of facilities with inpatient services that is being conducted by the Ministry of Health. I am interested in learning about the availability and management of pharmaceutical commodities in this facility.

First, I would like to check on the availability of consumable commodities such as needles and syringes. Please show me the main storage site for these types of commodities and for each item I ask about, if the facility has the item, please show it to me.

28.1 NON PHARMACEUTICAL COMMODITIES

	COMMODITY	(a) AVAILABILITY					(b) Any stockout in the last 3 months?	
		OBSERVED		NOT OBSERVED				
		AT LEAST ONE NOT EXPIRED	AVAILABLE BUT EXPIRED	REPORTED AVAILABLE BUT NOT SEEN	NOT AVAILABLE TODAY	NEVER AVAILABLE	YES	NO
08	Hair cover	1		3	4	5		
09	Empty sharps containers	1		3	4	5		

C. PROCEDURE KITS AND PATIENT EQUIPMENT

	6502	Is there a central location where procedure kits or patient equipment are kept or are these only found in the unit where the procedure or patient receives services? IF YES, ASK TO GO TO THE CENTRAL LOCATION(S) WHERE EACH OF THE FOLLOWING MAY BE CENTRALLY STORED AND SUPPLIED TO UNITS ON REQUEST. DO NOT GO TO PATIENT UNITS TO SEE THESE ITEMS, THEY ARE CHECKED IN PATIENT UNITS IN OTHER SECTIONS.	YES, CENTRAL STORE(S) FOR KITS AND PATIENT EQUIPMENT .....1 NO CENTRAL STORE(2) FOR KITS AND PATIENT EQUIPMENT 2	➔6504

		EQUIPMENT AND KITS PROCESSED FOR RESUSE	(a) AVAILABILITY					(b) Any stockout in the last 3 months?	
			OBSERVED		NOT OBSERVED				
	6503	ITEMS PROCESSED FOR RESUSE	AT LEAST ONE NOT EXPIRED	AVAILA-BLE BUT EXPIRED	REPOR-TED AVAILA-BLE BUT NOT SEEN	NOT AVAILA-BLE TODAY	NEVER AVAILA-BLE	YES	NO
	02 [S]	Lumbar puncture kit	1	2	3	4	5		
	03 [S]	Minor surgical kit	1	2	3	4	5		
	04	Cricothyroidotomy set	1	2	3	4	5		
	05	laryngeal mask or other supraglottic airway	1	2	3	4	5		
	06	Chest tubes	1	2	3	4	5		
	07	Chest tube insertion kit	1	2	3	4	5		
	08	Device for intraosseous access	1	2	3	4	5		
	09	CPAP equipment	1	2	3	4	5		
318.2	12	Cervical collar	1	2	3	4	5		

ASK TO BE SHOWN THE MAIN LOCATION IN THE FACILITY WHERE COMMODITIES ARE STORED.

28.2 PHARMACEUTICAL COMMODITY AVAILABILITY

6504 Does this facility stock <u>any</u> medicines, vaccines, or contraceptive commodities?

YES 1
NO ..... 2 ➔END

ASK TO GO TO THE MAIN STORAGE AREA FOR PHARMACEUTICALS.

I would like to know if the following medicines are available today in this facility. I would also like to observe the medicines that are available. If any of the medicines I mention is stored in another location in the facility, please tell me where in the facility it is stored so I can go there to verify. I will also be asking about stockouts for some specific medicines.

	MEDICINES	(a) AVAILABILITY					(b) Any stockout in the last 3 months?	
		OBSERVED		NOT OBSERVED				
	[1] WHO essential drugs [2] WHO Priority MNCH medicines [3] WHO life saving drugs	AT LEAST ONE NOT EXPIRED	AVAILABLE BUT EXPIRED	REPORTED AVAILABLE BUT NOT SEEN	NOT AVAILABLE TODAY	NEVER AVAILABLE	YES	NO
6505	**ANTI-INFECTIVE AND ANTIPARACETIC**							
01	Albendazole or mebendazole tablet	1	2	3	4	5		
02	Amoxicillin capsule (500 mg)[1,3]	1	2	3	4	5		
03	Amoxicillin capsule 250 mg	1	2	3	4	5		
04	Amoxicillin suspension/or dispersible tablet (125 or 250 mg)[1,2,3]	1➔b	2 / 05	3➔b	4 / 05	5 / 05	1	2
05	Ampicillin powder for injection[1,2]	1	2	3	4	5		
06	Amphotericin injection *[IV drug for fungal infection]*	1	2	3	4	5		
07	Azithromycin tablet or suspension[2]	1	2	3	4	5		
08	Benzathine benzylpenicillin powder for injection[2] (long-acting)	1	2	3	4	5		
09	Cefixime cap/tab[2]	1	2	3	4	5		
10	Ceftriaxone injection[1,2,3]	1	2	3	4	5		
11	Ciprofloxacin cap/tab	1	2	3	4	5		
	[1] WHO essential drugs [2] WHO Priority MNCH medicines [3] WHO life saving drugs	AT LEAST ONE NOT EXPIRED	AVAILABLE BUT EXPIRED	REPORTED AVAILABLE BUT NOT SEEN	NOT AVAILABLE TODAY	NEVER AVAILABLE	YES	NO
13	Cotrimoxazole cap/tab	1	2	3	4	5		
14	Cotrimoxazole syrup or dispersible tablets	1	2	3	4	5		
15	Diethylcarbamazine (DEC)	1	2	3	4	5		
16	Doxycycline Capsules	1	2	3	4	5		

	17	Fluconazole tab/cap *[follow up treatment for fungal infection]*	1	2	3	4	5		
	18	Fluctosine injection *[IV drug for fungal infection]*	1	2	3	4	5		
	19	Gentamycin injection[1,2,3]	1➔b	2 ↵ 20	3➔b	4 ↵ 20	5 ↵ 20	1	2
	20	Ivermectin (onchocerciasis)	1	2	3	4	5		
	21	Metronidazole cap/tab	1	2	3	4	5		
	22	Metronidazole injection[2]	1	2	3	4	5		
	23	Potassium Permanganate	1	2	3	4	5		
	24	Praziquantel	1	2	3	4	5		
	25	Procaine benzylpenicillin injection[2,3]	1	2	3	4	5		
	26	Vancomycin injection	1	2	3	4	5		
	27	Whitfield's ointment	1	2	3	4	5		
	28	Topical antibiotics (e.g, povidone-iodine, polysporin, bacitracin	1	2	3	4	5		

	6506	**RESPIRATORY**							
	01	Beclometasone inhaler[1]	1	2	3	4	5		
	02	Salbutamol inhaler[1]	1	2	3	4	5		
	03	Salbutamol nebuliser solution	1	2	3	4	5		
	04	Peak flow meters	1	2	3	4	5		
	05	Spacers for inhalers	1	2	3	4	5		
	6510	**CARDIO-VASCULAR**							
	01	Calcium channel blocker[1] (e.g., amlodipine tablet)	1	2	3	4	5		
	02	Beta blocker[1] (e.g., Bisoprolol, metoprolol, carvedilol tablet)	1	2	3	4	5		
	03	ACE inhibitor[1] (e.g., enalapril tablet)	1	2	3	4	5		
	04	Digoxin injection	1	2	3	4	5		
	05	Glyceryl trinitrate sublingual tablet	1	2	3	4	5		
	06	Thiazide diurtetic [1] (e.g., hydrochlorothiazide or Bendrofluazide tablet)	1	2	3	4	5		
	07	Isosorbide dinitrate tab/cap	1	2	3	4	5		

	08	Statin[1] (e.g., simvastatin tablet)	1	2	3	4	5		
	09	Warfarin tab/cap	1	2	3	4	5		
	KEN09	Clopidogrel tabs	1	2	3	4	5		
	6515	**DIABETES**							
	01	Metformin tab/cap[1]	1	2	3	4	5		
	02	Glibenclamide tablet[1]	1	2	3	4	5		
	03	Insulin injection-regular[1]	1	2	3	4	5		
	04	Insulin injection- other than regular	1	2	3	4	5		
	05	Gliclazide tablet or other sulfonylurea (e.g., glipizide)	1	2	3	4	5		
	06	Glucose 50% injection	1	2	3	4	5		
	6520	**CANCER**							
	01	Tamoxifen tablet	1	2	3	4	5		
	02	Cyclophosphamide	1	2	3	4	5		
	03	Fluorouracil (5FU) intravenous (colorectal)	1	2	3	4	5		
	04	Alkylating agents (Cisplatin, Carboplatin intravenous (cervical)	1	2	3	4	5		
	KEN05	Taxanes (Docetaxel , Paclitaxel injections)	1	2	3	4	5		
	KEN06	Anthracyclines (Doxorubicin injection)	1	2	3	4	5		
	KEN07	Filgrastim injection	1	2	3	4	5		
	KEN08	Diethystilboestrol tablets (Prostate cancer)	1	2	3	4	5		
	KEN09	Aromatase Inhibitors Letrozole, Anastrazole)	1	2	3	4	5		
	KEN10	Melphalan tablet	1	2	3	4	5		
	KEN11	Zolendronic acid injection	1	2	3	4	5		
	6525	**OTHER/GENERAL MEDICINES**							
	01	Acetylsalicylic acid[1] (**Aspirin**)	1	2	3	4	5		
	02	Adrenaline or epinephrine injection	1	2	3	4	5		
	03	Atropine injection	1	2	3	4	5		

	04	Betamethasone injection[2,3]	1➔b	2➔05	3➔b	4➔05	5➔05	1	2
	05	Buprenorphine (Buprenex) *narcotic analagesic*	1	2	3	4	5		
	06	Calcium gluconate injection[2]	1	2	3	4	5		
	07	Calcium chloride injection	1	2	3	4	5		
	08	Diazepam suppository/gel	1	2	3	4	5		
	09	Diazepam cap/tab	1	2	3	4	5		
	10	Diazepam injection[1]	1	2	3	4	5		
	11	Dexamethasone injection[2,3]	1➔b	2 ↵ 12	3➔b	4 ↵ 12	5 ↵ 12	1	2
	12	Dopamine injection	1	2	3	4	5		
	13	Combined ferrous and folic tablets	1	2	3	4	5		
	14	Ferrous Sulfate (iron) tab/cap	1	2	3	4	5		
	15	Folic acid tab/cap	1	2	3	4	5		
	16	Furosemide tab/cap	1	2	3	4	5		
	17	Furosemide injection	1	2	3	4	5		
	18	Heparin sodium injection	1	2	3	4	5		
	19	Hydralazine tablet	1	2	3	4	5		
	20	Hydralazine injection[2]	1	2	3	4	5		
	21	Hydrocortisone injection	1	2	3	4	5		
	22	Hyoscine (butylbromide) injection	1	2	3	4	5		
	23	Ibuprofen tablet	1	2	3	4	5		
	24	Levodopa/carbidopa preparation (oral)	1	2	3	4	5		
	25	Loperamide tablet	1	2	3	4	5		
	26	Methadone *(anti narcotic)*	1	2	3	4	5		
	27	Methyldopa tablet[2]	1	2	3	4	5		
	28	Metoclopramide injection	1	2	3	4	5		
	29	Morphine injection[2]	1	2	3	4	5		

	30	Morphine tablet or morphine solution[2]	1	2	3	4	5		
	31	Naloxone (Narcan) injection (anti narcotic)	1	2	3	4	5		
	32	Oral Rehydration Salts[1,2,3]	1	2	3	4	5		
	33	Omeprazole tablet[1]	1	2	3	4	5		
	34	Acetaminophen (Paracetamol) tab/cap[2]	1	2	3	4	5		
	35	Paracetamol syrup/suspension[2]	1	2	3	4	5		
	36	Meperidine (Pethidine, Demerol)	1	2	3	4	5		
	37	Nalbuphine (nubain, manfine)	1	2	3	4	5		
	38	Potassium chloride injection	1	2	3	4	5		
	39	Prednisolone tablet	1	2	3	4	5		
	40	Protamine (sulphate) injection	1	2	3	4	5		
	41	Proton pump inhibitor (e.g., Omaprazole or Rabeprazole or prazole tablet)	1	2	3	4	5		
	42	Pyridoxine	1	2	3	4	5		
	43	Ranitidine injection	1	2	3	4	5		
	44	Senna preparation (or other laxative)	1	2	3	4	5		
	45	Spironolactone tab/cap	1	2	3	4	5		
	46	Streptokinase injection	1	2	3	4	5		
	47	Trihexyphenidyl or biperiden tablet	1	2	3	4	5		
	48	Vitamin A (retinol) capsules[2]	1	2	3	4	5		
	49	Vitamin K injection	1	2	3	4	5		
	50	Zinc sulphate tablet[2,3]	1→b	2 ~~51~~	3→b	4 51	5 51	1	2
	51	Zinc sulphate syrup or dispersible tablets[1,2,3]	1→b	2 6530	3→b	4 6530	5 6530	1	2

	6530	**MENTAL HEALTH/ NEUROLOGICAL**							
	01	Amitriptyline tablet	1	2	3	4	5		
318.2	02	Benzodiazepine	1	2	3	4	5		

	03	Biperiden tablet	1	2	3	4	5		
44 325.1	04	Carbamazepine tablet[1]	1	2	3	4	5		
	05	Chlorpromazine injection	1	2	3	4	5		
	06	Clozapine tablet	1	2	3	4	5		
	07	Clomipramine capsule	1	2	3	4	5		
44	08	Fluoxetine capsule[1]	1	2	3	4	5		
	09	Fluphenazine injection	1	2	3	4	5		
325.1	10	Haloperidol injection	1	2	3	4	5		
44	11	Haloperidol tablet[1]	1	2	3	4	5		
	12	Lamotrigine (tablet)	1	2	3	4	5		
	13	Lithium carbonate tablet	1	2	3	4	5		
	14	Lorazepam tablet	1	2	3	4	5		
	15	Lorazepam injection	1	2	3	4	5		
	16	Midazolam (solution)	1	2	3	4	5		
	17	Phenobarbital tablet	1	2	3	4	5		
	18	Phenobarbital injection	1	2	3	4	5		
	19	Phenytoin tablet	1	2	3	4	5		
	21	Risperidone tablet	1	2	3	4	5		
	22	Sodium valproate tablet	1	2	3	4	5		

	6535	**MATERNAL/NEONATAL**							
	01	Eye cream for newborn or for trachoma (tetracycline)	1	2	3	4	5		
	02	Caffeine citrate injection	1	2	3	4	5		
	03	Magnesium sulphate injection[1,2,3]	1➔b	2 ↵04	3➔b	4 ↵04	5 ↵04	1	2
	04	Misoprostol tablet[2,3] 200mcg	1➔b	2 ↵05	3➔b	4 ↵05	5 ↵05	1	2
	05	Nifedipine 10/20mg slow release[2,3]	1	2	3	4	5		
	06	Calcium tablets (including combinations)	1	2	3	4	5		

	07	4% chlorhexidine solution for umbilical cord or cleaning perineum/cervix or skin disinfectant[3]	1	2	3	4	5		
	08	Anti-D for RH incompatability	1	2	3	4	5		
	09	Oxytocin injection[1,2,3]	1➔b	2 → 6540	3➔b	4 → 6540	5 → 6540	1	2
	6536	Is the oxytocin stored in cold storage?	YES.....1 NO 2						

	6540	**ANAESTHESIA** SURGICAL MEDICINES	(a) AVAILABILITY					**(b)** Any stockout in the last 3 months?	
			OBSERVED		NOT OBSERVED			OBSERVED	
			AT LEAST ONE NOT EXPIRED	AVAILABLE BUT EXPIRED	REPORTED AVAILABLE BUT NOT SEEN	NOT AVAILABLE TODAY	NEVER AVAILABLE	YES	NO
	01	Atracurium (besilate) injection	1	2	3	4	5		
	02	Bupivicaine injection	1	2	3	4	5		
	03	Halothane (liquid inhalant)	1	2	3	4	5		
	04	Isoflurane or desflurane or sevoflurane (liquid inhalant)	1	2	3	4	5		
	05	Ketamine injection	1	2	3	4	5		
	06	Lidocaine 1 or 2% injection	1	2	3	4	5		
	07	Lidocaine 5% heavy spinal injection	1	2	3	4	5		
	08	Midazolam injection	1	2	3	4	5		
	09	Nitrous oxide (gas)	1	2	3	4	5		
	10	Suxamethonium bromide or chloride injection	1	2	3	4	5		
	11	Thiopental (powder) for injection	1	2	3	4	5		

	6541	**INTRAVENOUS FLUIDS**							
	01	0.09% Sodium chloride (normal saline) (0.09NS)[2]	1➔b	2 ↵ 02	3➔b	4 ↵ 02	5 ↵ 02	1	2
	02	Dextrose 5% and normal saline (D5NS)	1➔b	2 ↵ 03	3➔b	4 ↵ 03	5 ↵ 03	1	2
	03	Sodium lactate (Ringers) (RL)	1➔b	2 ↵ 04	3➔b	4 ↵ 04	5 ↵ 04	1	2
	04	Dextrose 5% and water (D5W)	1➔b	2 ↵ 05	3➔b	4 ↵ 05	5 ↵ 05	1	2
	05	Parental nutrition	1	2	3	4	5		

		MALARIA DRUGS												
	6550	Does this facility stock any medicines for malaria treatment?					YES .....1 NO.....2				→6570			
	6555	Are any of the following malaria medicines available in the facility today? CHECK TO SEE IF AT LEAST ONE IS VALID (NOT EXPIRED)	(a)					(b)		(c)		(d)		
			AVAILABILITY					Any stockout in the…				How many days of stock-out in the past 4 weeks?		
			OBSERVED			NOT OBSERVED		last 3 months?		past 4 weeks?				
			AT LEAST ONE NOT EXPIRED	AVAIL-ABLE BUT EXPIRED	REPORTED AVAIL-ABLE BUT NOT SEEN	NOT AVAIL-ABLE TODAY	NEVER AVAIL-ABLE	YES	NO	YES	NO	Less 7 days	7-14 days	More than 14 days
	01	Artemether Lumefrantrine (LA): **6** tablet/pack[2]	1→b	2→d	3→b	4→d	5→ NL	1→ c	2→ NL	1→ d	2→ NL	1	2	3
	02	Artemether Lumefrantrine (LA): **12** tablet/pack[2]	1→b	2→d	3→b	4→d	5→ NL	1→ c	2→ NL	1→ d	2→ NL	1	2	3
	03	Artemether Lumefrantrine (LA): **18** tablet/pack[2]	1→b	2→d	3→b	4→d	5→ NL	1→ c	2→ NL	1→ d	2→ NL	1	2	3
	04	Artemether Lumefrantrine (LA): **24** tablet/pack[2]	1→b	2→d	3→b	4→d	5→ NL	1→ c	2→ NL	1→ d	2→ NL	1	2	3

		Are any of the following malaria medicines available in the facility today? CHECK TO SEE IF AT LEAST ONE IS VALID (NOT EXPIRED)	(a) AVAILABILITY					(b) Any stockout in the last 3 months?	
			OBSERVED		NOT OBSERVED				
			AT LEAST ONE NOT EXPIRED	AVAILABLE BUT EXPIRED	REPORTED AVAILABLE BUT NOT SEEN	NOT AVAILABLE TODAY	NEVER AVAILABLE	YES	NO
	6563	OTHER ANTIMALARALS							
	01	Fansidar/SP (Sulfadoxine+pyrimethamine) tabs	1➔b	2 02	3➔b	4 02	5 02	1	2
	02	Quinine Tabs	1	2	3	4	5		
	03	Quinine Injection	1	2	3	4	5		
	04	Artesunate Injection[2]	1	2	3	4	5		
	05	Artesunate suppositories/rectal[2]	1	2	3	4	5		
	09	Primaquine (oral)	1	2	3	4	5		
	10	Other antimalarial _____ (SPECIFY)	1	2	3	4	5		
	11	Insecticide treated bed nets for patients and their families and households	1➔b	2 12	3➔b	4 12	5 12	1	2
	12	Insecticide treated bed nets voucher for patients and their families and households	1➔b	2 6570	3➔b	4 6570	5 6570	1	2

		ANTI-TUBERCULOSIS MEDICINES		
	6570	Does this facility stock any medicines for tuberculosis treatment?	YES .....1 NO 2	 ➔6575
	6571	Where is the main storage area for tuberculosis medicines? ASSESS MAIN TB DRUG STORAGE AREA	TUBERCULOSIS SERVICE AREA.....1 MAIN FACILITY PHARMACY .....2 OTHER SITE 3	➔6575 ➔6575

	6572	Are any of the following tuberculosis medicines available in the facility today? CHECK TO SEE IF AT LEAST ONE IS VALID (NOT EXPIRED)	(a) AVAILABILITY					(b) Any stockout in the last 3 months? OBSERVED	
			OBSERVED		NOT OBSERVED				
			AT LEAST ONE NOT EXPIRED	AVAILABLE BUT EXPIRED	REPORTED AVAILABLE BUT NOT SEEN	NOT AVAILABLE TODAY	NEVER AVAILABLE	YES	NO
	01	Ethambutol	1➔b	2 02	3➔b	4 02	5 02	1	2
	02	Isoniazid	1	2	3	4	5		
	03	Pyrazinamide	1	2	3	4	5		
	04	Rifampicin	1	2	3	4	5		

			(a)					(b)	
			AVAILABILITY					Any stockout in the last 3 months?	
			OBSERVED		NOT OBSERVED			OBSERVED	
			AT LEAST ONE NOT EXPIRED	AVAILABLE BUT EXPIRED	REPORTED AVAILABLE BUT NOT SEEN	NOT AVAILABLE TODAY	NEVER AVAILABLE	YES	NO
	6572	Are any of the following tuberculosis medicines available in the facility today? CHECK TO SEE IF AT LEAST ONE IS VALID (NOT EXPIRED)							
	05	Isoniazid + Rifampicin (2FDC)	1	2	3	4	5		
	06	Isoniazid + Ethambutol (EH) (2FDC)	1	2	3	4	5		
	07	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	1	2	3	4	5		
	08	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	1	2	3	4	5		
	09	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)	1	2	3	4	5		
	10	Pediatric formulation for INH –as a single drug for IPT	1	2	3	4	5		
	11	Pediatric formulation for Rifampicin (may be in a combined formulation)	1	2	3	4	5		
	12	Paediatric formulation for Pyrazinamide (may be in a combined formulation)	1	2	3	4	5		
	13	Paediatric formulation for Ethambutal (may be in a combined formulation)	1	2	3	4	5		
	14	Streptomycin Injectable	1	2	3	4	5		
	15	National 1st line MDR treatment regimen [COUNTRY ADAPT]	1	2	3	4	5		

ANTIRETROVIRAL DRUGS

	6575	Does this facility stock any antiretroviral medicines for PMTCT or the treatment of HIV/AIDS?	YES ..... 1 NO 2	➔6580

			(a)					(b)	
			AVAILABILITY					Any stockout in the last 3 months?	
			OBSERVED		NOT OBSERVED			OBSERVED	
			AT LEAST ONE NOT EXPIRED	AVAILABLE BUT EXPIRED	REPORTED AVAILABLE BUT NOT SEEN	NOT AVAILABLE TODAY	NEVER AVAILABLE	YES	NO
	6576	Are any of the following ARVs available today in this facility? CHECK TO SEE IF AT LEAST ONE FROM THE REGIMEN IS VALID (NOT EXPIRED)							
	01	Zidovudine (ZDV, AZT)[2] tabs	1	2	3	4	5		
	02	Zidovudine (ZDV, AZT) syrup[2]	1	2	3	4	5		
	03	Abacavir (ABC)	1	2	3	4	5		
	04	Lamivudine (3TC)[2]	1	2	3	4	5		

	05	Tenofovir Disoproxil Fumarate (TDF)	1	2	3	4	5		
	06	Nevirapine (NVP)[2] tab	1	2	3	4	5		
	07	Nevirapine (NVP) syrup[2]	1	2	3	4	5		
	08	Efavirenz (EFV) 600 mg	1	2	3	4	5		
	09	Efavirenz (EFV) 400 mg	1	2	3	4	5		
	10	Emtricitabine (FTC)	1	2	3	4	5		
	11	Lamivudine + Abacavir (3TC + ABC)	1	2	3	4	5		
	12	Zidovudine + Lamivudine (AZT + 3TC)[2]	1	2	3	4	5		
	13	Zidovudine + Lamivudine + Abacavir (AZT + 3TC + ABC)	1	2	3	4	5		
	14	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)[2]	1	2	3	4	5		
	15	Tenofovir + Emtricitabine (TDF + FTC)	1	2	3	4	5		
	16	Tenofovir + Lamivudine (TDF + 3TC)	1	2	3	4	5		
	17	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	1	2	3	4	5		
	18	Tenofovir + Emtricitabine + Efavirenz (TDF + FTC + EFV)	1	2	3	4	5		
	19	Lamivudine (3TC) syrup[2]	1	2	3	4	5		
	20	Efavirenz (EFV) syrup	1	2	3	4	5		

	6577	Does this facility stock any protease inhibitors for the treatment of HIV/AIDS?	YES.....1 NO 2	➔6580

			(a)					(b)	
			AVAILABILITY					Any stockout in the last 3 months?	
			OBSERVED			NOT OBSERVED		OBSERVED	
			AT LEAST ONE VALID	AVAILABLE EXPIRED	REPORTED AVAILABLE BUT NOT SEEN	NOT AVAILABLE TODAY	NEVER AVAILABLE	YES	NO
	6578	Are any of the following protease inhibitors available today in this facility?							
	01	Lopinavir (LPV) tablets	1	2	3	4	5		
	02	Lopinavir (LPV) pellets	1	2	3	4	5		
241.1	03	Lopinivair (LPV) syrup	1	2	3	4	5		
	04	Ritonavir (RTV)	1	2	3	4	5		
	05	Atazanavir (ATV)	1	2	3	4	5		

	06	Darunavir (DRV)	1	2	3	4	5		
	07	Lopinavir+ritonavir	1	2	3	4	5		
	08	Atazanavir+ritonavir	1	2	3	4	5		
Integrase inhibitors									
	09	Raltegravir	1	2	3	4	5		
	10	Dolutegravir	1	2	3	4	5		
	11	Etravirine	1	2	3	4	5		
	12	3rd line NNRTI	1	2	3	4	5		

FAMILY PLANNING COMMODITIES				
	6580	Does this facility stock any family planning commodities or contraceptives?	YES ..... 1 NO 2	 ➔7610
	6581	Where is the main storage area for contraceptive commodities? GO TO THE MAIN SITE TO ASSESS AVAILABILITY OF COMMODITIES	FAMILY PLANNING SERVICE AREA ..... 1 MAIN FACILITY PHARMACY ..... 2 OTHER SITE 3	➔7610 ➔7610

	6582	CHECK TO SEE IF AT LEAST ONE OF EACH MEDICINE/COMMODITY IS VALID (NOT EXPIRED)	(a) AVAILABILITY					(b) Any stockout in the last 3 Month	
			OBSERVED		NOT OBSERVED				
			AT LEAST ONE NOT EXPIRED	AVAILABLE BUT EXPIRED	REPORTED AVAILABLE BUT NOT SEEN	NOT AVAILABLE TODAY	NEVER AVAILABLE	YES	NO
	01	Combined estrogen progesterone oral contraceptive pills	1	2	3	4	5		
	02	Progestin-only contraceptive pills	1	2	3	4	5		
	03	Combined estrogen progesterone injectable contraceptives	1	2	3	4	5		
	04	Progestin-only injectable contraceptives	1	2	3	4	5		
	05	Male condoms	1	2	3	4	5		
	06	Female condoms	1➔b	2➔07	3➔b	4➔07	5➔07	1	2
	07	Implant (e.g., levonorgestrel , Etonogestrel)	1➔b	2➔08	3➔b	4➔08	5➔08	1	2
	08	Emergency contraceptive (e.g. levonorgestrel tablet, ulipristal acetate tablet, mifepristone tablet 10-25 mg)	1➔b	2➔09	3➔b	4➔09	5➔09	1	2

			(a)					(b)	
			AVAILABILITY					Any stockout in the last 3 Month	
			OBSERVED			NOT OBSERVED			
	6582	CHECK TO SEE IF AT LEAST ONE OF EACH MEDICINE/COMMODITY IS VALID (NOT EXPIRED)	AT LEAST ONE NOT EXPIRED	AVAILABLE BUT EXPIRED	REPORTED AVAILABLE BUT NOT SEEN	NOT AVAILABLE TODAY	NEVER AVAILABLE	YES	NO
	09	Intrauterine contraceptive device (IUCD)	1	2	3	4	5		
	10	Cycle beads for standard days method	1	2	3	4	5		

34 PHARMACEUTICAL COMMODITY MANAGEMENT

34.1. STOCK MANAGEMENT PRACTICES

Indicator No.	Question No.	Question	Result	Skip
		A. STOCK ORDERING PRACTICES		
	7610	What is the main source of your routine pharmaceutical commodity supplies? By this I mean who is the direct supplier to your facility?	KEMSA ..... 1 MEDS ..... 2 NGO/DONORS... ..... 3 PRIVATE SOURCES ..... 4 LOCAL SUPPLIERS ..... 5 OTHER _____ ..... 6 (SPECIFY)	

	7630	**Does the pharmacy have documentation for any of the following? These may be registers/stock cards or any other type of documentation that achieves the objectives.** **IF YES, ASK TO SEE THE DOCUMENTATION**	**YES, OBSERVED**	**YES, REPORTED, NOT SEEN**	**NO**	
30.1	01	Record that shows individual pharmacy commodities received, disbursed, and balance. THIS IS USUALLY A REGISTER OR STOCK /BIN CARD	1	2	3	
30.1	02	Record that shows expired/unusable drugs being removed from inventory THIS MAY BE IN THE SAME RECORD FOR STOCK RECEIVED AND DISBURSED	1	2	3	
30.1	03	Yellow PPB form (Register or report form where adverse reactions are recorded)	1	2	3	
	KEN04	Pink PPB form (for recording substandard quality stock)	1	2	3	

Now, I would like to ask you questions related to medicine procurement and pricing.

8997. CURRENCY USED TO PROCURE THE COMMODITIES:_____ **8998. Exchange rate with US$:**

_____

9002	(a)	(b)	(c)			(d)		
22	Medicine name, dosage form, strength	Is medicine available?	PROCUREMENT PRICE (FROM YOUR SUPPLIER)			PRICES TO PATIENT (WHAT FACILITY CHARGES PATIENT)		
			Pack or container size [e.g., 1 inhaler, # vials, # tablets]	Price for this pack [local currency]			Price charged to patient for one tablet/cap/inhaler/vial [local currency]	
	(a)	(b)	(c1)	(c2)		(d1)	(d2)	
01	**Amlodipine tablet/capsule**	No link Yes..... Not today ..... Never available.....	_____					
02	**Amoxicillin (disp caps)**	Link to #03	_____					
03	**Amoxicillin [capsule]**	Link to Q6505 #02	_____					
04	**Ampicillin** **Injection [VIAL]**	link to Q6505 L#05	_____					
05	**Aspirin tablet**	Link to Q6525#01	_____					
06	**Beclometasone inhaler**	Link to Q6506#01	_____ _____					
07	**Carbamazepine tablet**	Link to Q6530#04	_____					

9002	(a)	(b)	(c)		(d)		
22	Medicine name, dosage form, strength	Is medicine available?	PROCUREMENT PRICE (FROM YOUR SUPPLIER)		PRICES TO PATIENT (WHAT FACILITY CHARGES PATIENT)		
			Pack or container size [e.g., 1 inhaler, # vials, # tablets]	Price for this pack [local currency]			Price charged to patient for one tablet/cap/inhaler/vial [local currency]
08	**Carvedilol tablet**	No link Yes..... Not today..... Never available.....	_____				
09	**Ceftriaxone injection [vial]**	Link to Q6505#10	_____				
10	**Diazepam injection**	Link to Q6525#10	_____				
11	**Enalapril tablet/capsule**	No link Yes..... Not today..... Never available.....	_____				
12	**Fluoxetine cap**	Link to Q6530#08	_____				
13	**Gentamicin injection**	Link to Q6505#19	_____				
14	**Glibenclamide [tablet]**	Link to Q6515#02	_____				
15	**Haloperidol tablet**	Link to Q6530#11	_____				

9002	(a)	(b)	(c)			(d)	
22	Medicine name, dosage form, strength	Is medicine available?	PROCUREMENT PRICE (FROM YOUR SUPPLIER)			PRICES TO PATIENT (WHAT FACILITY CHARGES PATIENT)	
			Pack or container size [e.g., 1 inhaler, # vials, # tablets]	Price for this pack [local currency]		Price charged to patient for one tablet/cap/inhaler/vial [local currency]	
16	**Hydrochorothiazide tablet**	No link Yes..... Not today ..... Never available.....	_____				
17	**Insulin regular**	Link to Q6515#03	_____				
18	**Magnesium sulphate**	Link to Q6535#03	_____				
19	**Metformin tablet**	Link to Q6515#01	_____				
20	**Omeprazole tablet**	Link to Q6525#33	_____				
21	**Oral rehydration salts**	Link to Q6525#32	_____				
22	**Oxytocin injection**	Link to Q6535#09	_____				
23	**Salbutamol [inhaler]**	Link to Q6506#02	_____				

9002	(a)	(b)	(c)			(d)	
22	Medicine name, dosage form, strength	Is medicine available?	PROCUREMENT PRICE (FROM YOUR SUPPLIER)			PRICES TO PATIENT (WHAT FACILITY CHARGES PATIENT)	
			Pack or container size [e.g., 1 inhaler, # vials, # tablets]	Price for this pack [local currency]		Price charged to patient for one tablet/cap/inhaler/vial [local currency]	
24	**Simvastatin tablet/capsule**	No link Yes..... Not today..... Never available.....	_____				
25	**Zinc sulphate [tablet]**	Link to Q6525#50	_____				
KEN02	**Amoxicillin Clavulanic (augmentin) tablet**	No link Yes..... Not today..... Never available.....	_____				
KEN03	**Brufen (Ibuprofen) tablet**	No link Yes..... Not today..... Never available.....	_____				
KEN04	**Clotrimazole topical**	No link Yes..... Not today..... Never available.....	_____				
KEN05	**Doxycycline Capsules**	Link to Q6505#16	_____				
KEN06	**Gryseofulvin tablet**	No link Yes..... Not today..... Never available.....	_____				

9002	(a)	(b)	(c)		(d)			
22	Medicine name, dosage form, strength	Is medicine available?	PROCUREMENT PRICE (FROM YOUR SUPPLIER)		PRICES TO PATIENT (WHAT FACILITY CHARGES PATIENT)			
			Pack or container size [e.g., 1 inhaler, # vials, # tablets]	Price for this pack [local currency]			Price charged to patient for one tablet/cap/inhaler/vial [local currency]	
KEN07	**Mebendazole (tablet)**	No link Yes..... Not today ..... Never available.....	_____					
KEN08	**Metronidazole (Flagyl)**	Link to Q6505#21	_____					

FOOD SUPPLEMENTS				
	6585	Are any food supplements for malnutrition available in this facility? IF YES, GO TO WHERE FOOD SUPPLEMENTS ARE STORED TO CHECK AVAILABILITY	YES..... 1 NO 2	➔END

			a) AVAILABILITY					b) Any stockout in the last 3 months	
			OBSERVED		NOT OBSERVED				
	6586	Which of the following food supplements for malnutrition are available in this facility? FOR EACH REPORTED ITEM, ASK TO SEE AND VERIFY A VALID DATE OF EXPIRATION	AT LEAST ONE NOT EXPIRED	AVAILABLE BUT EXPIRED	REPORTED AVAILABLE BUT NOT SEEN	NOT AVAILABLE TODAY	NEVER AVAILABLE	YES	NO
	01	Ready-to-Use Therapeutic Food (RUTF)	1	2	3	4	5		
	02	F-75 (Formula 75)	1	2	3	4	5		
	03	F-100 (Formula 100)	1	2	3	4	5		
	04	Micronutrient powder (MNP)	1	2	3	4	5		
	KEN05	Corn Soya Bread (CSB/Unimix)	1	2	3	4	5		
	KEN06	Fortified breaded foods	1	2	3	4	5		
	KEN07	Vegetable oils	1	2	3	4	5		

40 INFORMATION SOURCES AND SYSTEMS					
	40.2 INDIVIDUAL PATIENT RECORDS/CHARTS				
21	8015	Does this facility use unique patient ID numbers for any patients, that is, whenever the patient receives the services in this facility the same identification number is used for that person?	YES, OUTPATIENT ..... 1 YES, INPATIENT ..... 2 YES, BOTH OUT AND INPATIENT ..... 3 NO 4	 ➔KEN8016 ➔KEN8017 ➔8017
	8016	Is the same unique patient ID number used for a patient who receives both inpatient and outpatient services at this facility?	YES ..... 1 NO 2	
	KEN8016	Is the same unique patient ID used for a patient across all outpatient services?	YES ..... 1 NO 2	
	KEN8017	Is the same unique patient ID used for the same patient over multiple years?	YES ..... 1 NO 2	
	KEN8018	Is the same unique patient ID number used for a patient when both electronic and paper records are used?	YES ..... 1 NO ..... 2 NOT APPLICABLE 5	
42	8017	Does this facility use individual patient records? IF YES, CLARIFY IF THIS APPLIES TO OUTPATIENTS, INPATIENTS, OR BOTH	YES, OUTPATIENT ..... 1 YES, INPATIENT ..... 2 YES, BOTH OUT AND INPATIENT ..... 3 NO 4	 ➔8100
42	8018	Does this facility utilize a standardized set of forms or electronic data entry screens to comprise a complete medical record for each patient?	YES, OUTPATIENT ..... 1 YES, INPATIENT ..... 2 YES, BOTH OUT AND INPATIENT ..... 3 NO 4	 ➔8020 ➔8100
	8019	What is the format for outpatient medical records? ASK TO SEE AN EXAMPLE OF STANDARD OUTPATIENT MEDICAL RECORDS	OBSERVED PAPER PATIENT RECORDS ..... 1 ELECTRONIC PATIENT RECORDS ..... 2 BOTH PAPER AND ELECTRONIC ..... 5 REPORTED, NOT SEEN PAPER PATIENT RECORDS ..... 3 ELECTRONIC PATIENT RECORDS ..... 4 BOTH PAPER AND ELECTRONIC 6	
	8020	What is the format for inpatient medical records? ASK TO SEE AN EXAMPLE OF STANDARD INPATIENT MEDICAL RECORDS	OBSERVED PAPER PATIENT RECORDS ..... 1 ELECTRONIC PATIENT RECORDS ..... 2 BOTH PAPER AND ELECTRONIC ..... 5 REPORTED, NOT SEEN PAPER PATIENT RECORDS ..... 3 ELECTRONIC PATIENT RECORDS ..... 4 BOTH PAPER AND ELECTRONIC 6	
42	8021	Has there been a stockout of the official patient medical record in the past 6 months? IF YES, CLARIFY IF THIS APPLIES TO OUTPATIENTS, INPATIENTS, OR BOTH	YES, OUTPATIENT ..... 1 YES, INPATIENT ..... 2 YES, BOTH OUT AND INPATIENT ..... 3 NO 4	
	KEN8021	Has there been any stockout of the official registers listed below in the past 6 months?	YES / NO	
	01	REGISTER MOH 204B – OPD over 5	1 / 2	
	02	REGISTER MOH 204A – OPD under 5	1 / 2	

	03	REGISTER MOH 301 - Maternity	1	2	

		42.1 REPORTS SUBMITTED EXTERNALLY		
	8100	Does this facility submit any reports externally, that are to an office outside the facility?	YES ..... 1 NO 2	➔ K7071

	8102	How often are routine summary statistics on patient services and diagnoses submitted externally? IF THERE ARE DIFFERENT TIMINGS FOR REPORTS PROVIDE INFORMATION FOR THE OUTPATIENT/INPATIENT GENERAL SERVICE STATISTICS	DAILY ..... 7 WEEKLY ..... 1 MONTHLY ..... 2 QUARTERLY ..... 3 ANNUALLY ..... 4 NEVER ..... 5 OTHER _____ ..... 6 (SPECIFY)	

		DATA ITEM	DOCUMENTATION OBSERVED		ROUTINE REVIEW REPORTED, NO DOCUMENTATION OBSERVED	INFORMATION NOT ROUTINELY REVIEWED
			CURRENT WITHIN THE PAST COMPLETE REPORTING MONTH	MOST RECENT 2-3 REPORTING MONTHS AGO		
	KEN7071	Ask to see copies of the most recent reports described below				
	01	MOH 705a – OPD summary under 5	1	2	3	4
	02	MOH 705b – OPD summary over 5	1	2	3	4
	03	MOH 711- Integrated summary report	1	2	3	4
	04	MOH 717 – Service workload	1	2	3	4
	05	MoH 710 – Vaccines and Immunization	1	2	3	4

43 DATA QUALITY				
	8115	Is there any routine and systematic process within the facility for checking the quality of data compiled for reports?	YES ..... 1 NO 2	➔8130
	KEN8115A	Is there data improvement team?	YES ..... 1 NO 2	
	KEN8115B	Are there Data quality improvement plans?	YES ..... 1 NO 2	
	8116	Is there a written policy for data quality checking or written guideline for how to carry out data quality checking? IF YES, ASK TO SEE A COPY OF THE POLICY OR METHODOLOGY GUIDELINES	YES, OBSERVED ..... 1 YES, REPORTED, NOT SEEN ..... 2 NO 3	

	8118	Is there any written documentation of the results from the routine data quality system being implemented? This does not refer to data quality assessments conducted as less frequently than annually IF YES, ASK May I see a copy of any documentation results from routine data quality checks?	YES, OBSERVED ..... 1 YES, REPORTED, NOT SEEN ..... 2 NO 3	➔8130
	8119	How frequently are the results of data quality checking documented in a report or form?	MONTHLY..... 1 EVERY 2-3 MONTHS ..... 2 EVERY 6-12 MONTHS ..... 3 NO SET TIMES..... 4	

44 HMIS STAFF

8130	Does this facility have a designated person, such as a Health Information officer who is dedicated full time with responsibility for recording or collating health services data in this facility?	YES ..... 1 NO..... 2	➔ 8500
8131	What is the professional qualification of the person who has final responsibility for compiling and reporting on health services data in this facility?	HEALTH INFORMATION OFFICER/DATA MANAGER ..... 1 OTHER TECHNICAL STAFF WITH DATA TRAINING 2 OTHER NON-TECHNICAL STAFF WITH SPECIAL DATA TRAINING ..... 3 OTHER TECHNICAL STAFF WITH NO DATA TRAINING ..... 4 OTHER NON-TECHNICAL STAFF WITH NO SPECIAL DATA TRAINING ..... 5 NONE ..... 95 OTHER _____..... 96 (PLEASE SPECIFY)	

47 KEY HOSPITAL INFORMATION AND SERVICE STATISTICS

I would like to collect information on utilization and service statistics for this facility. Please introduce me to the person most familiar with compiled reports for this facility.
IF OUTPATIENT AND INPATIENT STATISTICS ARE MANAGED BY DIFFERENT PERSONS, ASK FIRST TO GO TO WHERE INPATIENT COMPILED REPORTS ARE MAINTAINED.

8500	Do any category of compiled service statistics provide information for paediatric patients?	YES ..... 1 NO..... 2	➔8510
8501	What is the age limit for paediatric classification?	<5 YEARS..... 1 <15 YEARS..... 2 OTHER _____..... 6 (SPECIFY)	

47.1 INPATIENT UTILIZATION INFORMATION

8510	Does this facility offer inpatient services?	YES ..... 1 NO..... 2	➔8600

ASK TO SPEAK WITH THE PERSON MOST KNOWLEDGEABLE ABOUT COMPILED STATISTICS FOR INPATIENT FOR THE LAST FINANCIAL YEAR SERVICES AND EXPLAIN:

Now I would like to collect some specific information on facility utilization and service statistics that are available in compiled reports.

47.2 INPATIENT SERVICE STATISTICS

	8530	SERVICE STATISTIC	NUMBER	
4.2	01	Number of general admissions, excluding admissions for deliveries in the last financial year	ADMISSIONS ☐☐☐☐ NO COMPILED STATISTICS/ DON'T KNOW .....9998➔02	

	02	Total general admissions for paediatric patients in the last financial year	ADMISSIONS NO COMPILED STATISTICS/ DON'T KNOW .....9998➔8600 NO PAEDIATRIC ADMISSIONS.....0000	
48 SERVICE SPECIFIC INFORMATION FOR OUT/INPATIENT SERVICES				
		Now I would like to collect compiled service statistics for the last financial year. For each of the services asked about, please provide the service statistis for the last financial year for which compiled statistics are available.		

	48.1 SURGERY			
		A. MAJOR SURGERY		
	8600	Does this facility offers major surgical services?	YES.....1 NO 2	➔8650
	8605	Are statistics compiled on numbers of patients having major surgical procedures performed?	YES.....1 NO 2	➔8650
	8606	WHAT IS THE TOTAL NUMBER OF EACH OF THE FOLLOWING PROCEDURES IN THE LAST FINANCIAL YEAR FOR WHICH COMPILED INFORMATION EXISTS		
		PROCEDURE	NUMBER	
	01	Total major surgical procedures in the last financial year	DON'T KNOW..... 9998➔8650	
	02	Total major surgeries that were non-elective for the last financial year	DON'T KNOW..... 9998➔8650	
	03	Total major surgeries conducted on an emergency basis in the financial year	DON'T KNOW..... 9998➔8650	
		B. MAJOR SURGERY STATISTICS FOR PAEDIATRIC PATIENTS		
	8610	What is the age limit for paediatric major surgery statistics?	<5 YEARS.....1 <15 YEARS.....2 OTHER _____ .....6 (SPECIFY) NO COMPILED PAEDIATRIC SURGICAL STATISTICS AVAILABLE	➔8650
	8611	STATISTICS FOR MAJOR SURGERY STATISTICS FOR PAEDIATRIC PATIENTS	NUMBER	
	01	Total major surgeries for paediatric patients for the last completed financial year (< 15 YEARS IF DATA AVAILABLE)	DON'T KNOW..... 9998➔8650	
	48.2 DELIVERY SERVICES			
	8650	Does this facility offers delivery services?	YES ..... 1 NO..... 2	➔8725
		A. DELIVERY AND NEWBORN STATISTICS		
	8651	WHAT IS THE TOTAL NUMBER OF EACH OF THE FOLLOWING OUTCOMES IN THE LAST COMPLETED FINANCIAL YEAR FOR WHICH COMPILED INFORMATION EXISTS.		
		OUTCOME	NUMBER	

	01	Maternity admissions	MATERNITY ADMISSIONS ☐☐☐☐ NO COMPILED STATISTICS/ DON'T KNOW.....9998	
	02	Deliveries (vaginal)	VAGINAL DELIVERIES ☐☐☐☐ NO COMPILED STATISTICS/ DON'T KNOW.....9998	
	03	Deliveries (caesarean section)	C-SECTIONS ☐☐☐☐ NO COMPILED STATISTICS/ DON'T KNOW.....998 NO CAESAREAN SECTION SERVICES 995	
	04	Livebirths	LIVEBIRTHS ☐☐☐ NO COMPILED STATISTICS/ DON'T KNOW.....9998	
	05	Maternal deaths	MATERNAL DEATHS ☐☐ NO COMPILED STATISTICS/ DON'T KNOW.....98 NO MATERNAL DEATHS.....95	
	KEN05	Stillbirths (fresh)	STILLBIRTHS ☐☐☐ NO COMPILED STATISTICS/ DON'T KNOW.....998	
	KEN06	Stillbirths (macerated)	STILLBIRTHS ☐☐☐ NO COMPILED STATISTICS/ DON'T KNOW.....998	
	06	Neonatal deaths (livebirths died within 1st 28 days of life)	NEONATAL DEATHS ☐☐☐ NO COMPILED STATISTICS/ DON'T KNOW.....998	

48.4 EMERGENCY UNIT INFORMATION

8725	Does this facility have a dedicated emergency unit?	YES ..... 1 NO 2			➔8730
8726	EMERGENCY UNIT PATIENT VISITS	MOST RECENT REPORTING MONTH ☐☐☐ DON'T KNOW.....998	2ND MOST RECENT REPORTING MONTH ☐☐☐ DON'T KNOW.....998	3rd MOST RECENT REPORTING MONTH ☐☐☐ DON'T KNOW.....998	

	PROCEDURE	(a) NUMBER
8727	How many emergency patient visits were there in the last complete financial year? USE THE MOST RECENT COMPLETED FINANCIAL YEAR OR THE MOST RECENT COMPILED REPORTS FOR PAST FINANCIAL YEAR	TOTAL EMERGENCY SERVICE PATIENT VISITS PAST YEAR ☐☐☐☐ DON'T KNOW 9998

		48.5 OUTPATIENT CONSULTATION SERVICE STATISTICS	
	8730	INDICATE THE NUMBER OF OUTPATIENT CONSULTATION VISIT FOR THE LAST COMPLETE FINANCIAL YEAR	(a) NUMBER
4.1	01	TOTAL OUTPATIENT VISITS FOR CURATIVE CARE THE LAST COMPLETE FINANCIAL YEAR	OUTPATIENT VISITS ☐☐☐☐ NO COMPILED STATISTICS/ DON'T KNOW .....9998➔02 NO OUTPATIENT CARE SERVICES.....9995➔2651
	02	TOTAL PAEDIATRIC OUTPATIENT VISITS FOR CURATIVE CARE THE LAST COMPLETE FINANCIAL YEAR	OUTPATIENT VISITS ☐☐☐☐ NO COMPILED STATISTICS/ DON'T KNOW .....9998➔2651 NO PAEDIATRIC OUTPATIENT CONSULTATION SERVICES .....0000➔2651

		A. PRACTICES FOR MONITORING AND EVALUATING CANCER SERVICES		
148.4	2651	Are there registers or data bases for tested and diagnosed cancer patients that provides information that allows analysis of treatment adherence and outcomes? IF YES, ASK: May I see the register?	YES, OBSERVED.....1 YES, REPORTED, NOT SEEN .....2 NO 3	
	2653	Are newly diagnosed cancer patients reported to a national cancer registry?	YES.....1 NO 2	
	2654	Are newly diagnosed cancer patients reported to/entered into a facility cancer registry? IF YES, ASK TO SEE THE REGISTRY DATABASE	YES, OBSERVED.....1 YES, REPORTED, NOT SEEN .....2 NO 3	

Surgery Service Area Questionnaire

	25 SURGICAL SERVICES			
	25.1 MINOR SURGERY			
309	5000 S	Does this facility offer any minor surgical services either for out or inpatients (such as suturing, circumcision, wound debridement, etc.)?	YES.....1 NO 2	➔5010

ASK TO BE SHOWN THE LOCATION IN THE FACILITY WHERE MOST MINOR SURGICAL PROCEDURES ARE PROVIDED AND ASK TO SPEAK WITH THE PERSON MOST KNOWLEDGEABLE ABOUT MINOR SURGICAL SERVICES IN THE FACILITY. INTRODUCE YOURSELF, EXPLAIN THE PURPOSE OF THE SURVEY AND ASK THE FOLLOWING QUESTIONS.

		A. PROCEDURES				
	5001 S	Please tell me if this facility provides the following services:	YES			NO
			OUT PATIENT	IN PATIENT	BOTH OUT AND INPATIENT	
	01 S	Incision and drainage of abscesses	1	2	3	4
	02 S	Wound debridement	1	2	3	4
	03 S	Acute burn management	1	2	3	4
	04 S	Suturing	1	2	3	4
	05 S	Closed repair of fracture	1	2	3	4
	06 S	Closed reduction of dislocated joint	1	2	3	4
	07 S	Cricothyroidotomy	1	2	3	4
	08 S	Male circumcision	1	2	3	4
	09 S	Hydrocele reduction	1	2	3	4
	10 S	Chest tube insertion	1	2	3	4
	11 S	Biopsy of lymph node or mass	1	2	3	4
	12 S	Removal of foreign body (throat, eye, ear of nose)	1	2	3	4

	25.2 ESSENTIAL SURGERY			
310	5010	Are any surgical procedures other than those minor surgical procedures already asked about carried out by this facility, either as out or inpatient procedures?	YES.....1 NO 2	➔END

ASK TO GO TO THE AREA WHERE GENERAL SURGICAL PROCEDURES ARE CARRIED OUT. IF THERE ARE BOTH INPATIENT AND OUTPATIENT OPERATING ROOMS, GO TO THE INPATIENT OPERATING AREA. ASK TO SPEAK WITH THE PERSON MOST KNOWLEDGEABLE ABOUT SURGICAL SERVICES IN THE FACILITY. INTRODUCE YOURSELF, EXPLAIN:

	A. SURGICAL AND AESTHETIC PROCEDURES					
	5011					
		Now I want to know about other surgical procedures that may be performed here or in another site in the facility. Please tell me if this facility performs any of the following procedures, and indicate if the procedures is provided for outpatients, inpatient, or both out and inpatients, or if the procedure is not available in this facility.				
		PROCEDURES	YES			NO
			OUTPATIENT	INPATIENT	BOTH OUT AND INPATIENT	
	01 S	Tubal ligation	1	2	3	4
	02 S	Vasectomy	1	2	3	4
	03 S	Cystostomy	1	2	3	4
	04 S	Urethral stricture dilation	1	2	3	4
	05 S	Tracheostomy	1	2	3	4
		A1. OBSTETRIC/GYNAECOLOGIC PROCEDURES				

	06 S	Dilatation & Curettage or vacuum aspiration for evacuation of uterus	1	2	3	4
	07 S	Episiotomy, cervical and vaginal laceration repair	1	2	3	4
	08 S	Obstetric fistula repair	1	2	3	4
	09	Caesarean section	1	2	3	4
	KEN10	Post abortion services	1	2	3	4
	KEN11	Emergency abortion services	1	2	3	4
	5015	**A2. COMPREHENSIVE SURGICAL PROCEDURES**	**YES**			**NO**
			OUTPATIENT	**INPATIENT**	**BOTH OUT AND INPATIENT**	
	01 S	Amputation	1	2	3	4
	02 S	Appendectomy	1	2	3	4
	03 S	Cataract surgery	1	2	3	4
	04 S	Contracture release	1	2	3	4
	05 S	Skin grafting	1	2	3	4
	06 S	Drainage of osteomyelitis-septic arthritis	1	2	3	4
	07 S	Hernia repair (strangulated)	1	2	3	4
	08 S	Hernia repair (elective)	1	2	3	4
	09	Irrigation and debridement of open fractures	1	2	3	4
	10	Placement of external fixator	1	2	3	4
	11	Open reduction and fixation for fracture	1	2	3	4
	12 S	Any procedures using laparotomy	1	2	3	4

		A3 PAEDIATRIC SURGERY			
	Now I want to know about the availability of essential surgeries for children younger than 15 years. For each procedure I asked about, please tell me if this was always available, not always available, or never available for children younger than 15 years old during the past 3 months.				
		Descriptor (The key informant for this section should be someone with direct involvement in clinical care delivery)	***(a) AVAILABILITY***		
			Always Available when needed	*Not always available during the past*	*Never available*
	5018	Paediatric general & urologic surgery			
	05	Paediatric hernia	1	2	3
	06	Reduction of intussusception	1	2	3
	5019	Paediatric Resuscitation & Injury			
	08	Paediatric Escharotomy/fasciotomy Contracture release	1	2	3
	5021	Procedures Advanced (<15 years old)			
	01	Repair of cleft lip and Palate	1	2	3
	02	Repair of clubfoot	1	2	3
	04	Repair of anorectal malformation (Hirschsprung's Disease)	1	2	3

	B. HUMAN RESOURCES FOR SURGERY			
		HUMAN RESOURCES FOR CAESAREAN SECTION		
	5030[S]	Does the facility conduct caesarean section?	YES.....1 NO 2	→5040
	5031 [S]	Does this facility have a health professional who can perform caesarean section present in the facility or on-call 24 hours a day (including weekends and on public holidays)?	YES, 24 HOURS ONSITE .....1 YES, NOT 24 HOURS ONSITE, BUT 24 HOURS ON-CALL .....2 NO 24-HOUR COVERAGE.....3	
	5032	Is a health professional who can perform caesarean section and all equipment needed for performing a caesarean section available today?	YES.....1 NO 2	
	5033 [S]	Does this facility have an anaesthetist (or person trained to administer anaesthesia) present in the facility or on-call 24 hours a day (including weekends and on public holidays)?	YES .....1 NO 2	
	5034	Is an anaesthetist and all equipment and supplies needed to administer general anaesthesia available today?	YES.....1 NO 2	

		HUMAN RESOURCES FOR SURGICAL SERVICES		
	5040	Does this facility have a health professional trained in general surgery present in the facility or on-call in near proximity (within 30 minutes) 24 hours a day, including weekends and on public holidays?	YES, 24 HOURS ONSITE .....1 YES, NOT 24 HOURS ONSITE, BUT 24 HOURS ON-CALL.....2 NO 24-HOUR COVERAGE 3	→5056
	5042	Does this facility have a health professional trained in anaesthesia present in the facility or on-call in near proximity (within 30 minutes) 24 hours a day, including weekends and on public holidays?	YES, 24 HOURS ONSITE .....1 YES, NOT 24 HOURS ONSITE, BUT 24 HOURS ON-CALL.....2 NO 24-HOUR COVERAGE 3	

	D. SUPPORT FOR QUALITY SERVICES			
	5056	Is the WHO surgical safety checklist, or a similar tool, utilized routinely in the operating theatres? IF YES, ASK: May I see a copy of the checklist that is used?	YES, OBSERVED.....1 YES, REPORTED NOT SEEN.....2 NOT AVAILABLE 3	
	F. SURGICAL SERVICE RESOURCES, EQUIPMENT, INFRASTRUCTURE			
	F1. STANDARD PRECAUTIONS FOR INFECTION PREVENTION			
	5080	I am interested in knowing if the following resources and supplies used for infection prevention and control are available in the surgical service area.		

		ITEMS.	OBSERVED	REPORTED NOT SEEN	NOT AVAILABLE	
	01	Clean running water (piped, bucket with tap, or pour pitcher)	1	2	3	
	02	Soap (bar or liquid) for hand hygiene	1	2	3	
	03	Alcohol based handrub	1	2	3	
	04	Poster reminding staff about hand hygiene or showing good hand hygiene techniques	1	2	3	
	05	Disposable paper towels for drying hands	1	2	3	
	06	Disposable latex gloves (nonsterile)	1	2	3	
	07	Disposable latex gloves (sterile)	1	2	3	
	08	Waste receptacle bin with lid and plastic bin liner clearly marked, for example, by label or colour, for potentially infectious non-sharp waste	1	2 → 10	3 → 10	

	09	Does the waste receptacle for potentially infectious non-sharp waste have a functional foot pedal to open it?	1	2	3	
	10	Waste receptacle bin with lid and plastic bin liner clearly marked, for example, by label or colour, for biological waste	1	2 → 12	3 → 12	
	11	Does the waste receptacle for biological waste have a functional foot pedal to open it?	1	2	3	
	12	Safety box (for sharps)	1	2	3	
	13	Environnemental disinfectant (e.g., chlorine, alcohol)	1	2	3	
	14	Disposable syringes with disposable needles	1	2	3	
	15	Auto-disable syringes	1	2	3	
	16	Surgical/respiratory masks	1	2	3	
	17	N95 face masks	1	2	3	
	18	Non-sterile protective gowns	1	2	3	
	19	Sterile gowns	1	2	3	
	20	Aprons	1	2	3	
	21	Eye protection (goggles, face shields)	1	2	3	
	22	Gumboots or clogs	1	2	3	
	23	Hair cover	1	2	3	
	5084	Please tell me if there are separate rooms for the following surgical service components.	YES		NO	
	01	Preoperative room(s)	1		2	
	02	Storage space for sterile and high-level disinfected items (either a room with limited access or a cabinet that can be closed)	1		2	
	03	Recovery room(s)	1		2	

39.1	9562	INDICATE IF THE FOLLOWING WAS OBSERVED IN THE OPERATING THEATRE	YES	NO	NOT APPLICABLE	
39.1	01	FLOOR: SWEPT, NO OBVIOUS DIRT OR WASTE	1	2		
39.1	02	COUNTERS/TABLES/CHAIRS: WIPED CLEAN- NO OBVIOUS DUST OR WASTE	1	2		
39.1	03	NEEDLES, SHARPS BOX MORE THAN ¾ FULL, OR ANY USED NEEDLES/SHARPS OUTSIDE THE BOX	1	2		
39.1	04	SHARPS BOX TORN/PIERCED	1	2		
39.1	05	BANDAGES/INFECTIOUS WASTE LYING UNCOVERED	1	2		
39.1	06	WERE ALL STAFF WEARING APPROPRIATE UNIFORMS IN THIS UNIT?	1	2		
39.1	07	WERE STAFF WEARING NAME TAGS IN THIS UNIT?	1	2		
39.1	08	WERE NON-SMOKING SIGNS OBSERVED IN THIS UNIT?	1	2		
39.1	09	IS THE PATIENT TOILET CLEAN WITH NO FAECAL MATERIAL OR BLOOD ON THE TOILET, FLOOR, OR WALLS?	1	2	5	
39.1	10	Functioning hand hygiene stations (that is, alcohol-based handrub solution or soap and water with a basin/pan and clean single-use towels)	1	2		

		F3. MAJOR SURGICAL SERVICE CONDITIONS AND RESOURCES		
		INFECTION PREVENTION AND CONTROL		
	5101	Is there a marked area or room in the surgical area that clearly identifies a point past which non-surgical	YES 1	

		shoes/clothing must be covered or left?	NO 2	
		Now I would like to collect information from the main inpatient surgical service site. **IF THERE ARE MULTIPLE SURGICAL AREAS, SELECT THE AREA WHERE CAESAREAN SECTIONS ARE MOST COMMONLY CARRIED OUT.**		
	5102	Is there a site to scrub for surgery that is adjacent to but separate from the operating room?	YES ..... 1 NO 2	 ➔5104
	5103	Is running water functioning in the scrub area today?	YES,..... 1 NO 2	

		EQUIPMENT AND COMMODITIES FOR SURGERY		
	5104	Now I would like to know about the availability of oxygen for patients in this unit. Does this unit ever provide oxygen to patients?	YES ..... 1 NO..... 2	➔5113
	5105	Is there any oxygen currently in the unit?	YES ..... 1 NO..... 2	➔5107
	5106	Is oxygen called for from a central location if needed? IF YES ASK, How is oxygen supplied when needed?	YES, OXYGEN TANK/CYLINDER..... 1 YES, OXYGEN CONCENTRATOR..... 2 YES, BOTH TANK AND CONCENTRATOR ..... 3 NO..... 4	➔5108 ➔5108 ➔5108 ➔5113
	5107	Now I would like to see the following items and to know if they are functional or not		

		GENERAL OXYGEN EQUIPMENT	A) AVAILABLE IN GENERAL OUTPATIENT SERVICE AREA			B) FUNCTIONING		
			OBSERVED	REPORTED NOT SEEN	NOT AVAILABLE	YES	NO	DON'T KNOW
	01 S	Central/piped oxygen supply	1 → b	2 → b	3→02	1	2	8
	02	Oxygen concentrator	1 → b	2 → b	3→03	1	2	8
	03	Oxygen tank/cylinder with attached pressure gauge, pressure regulator	1 → b	2 → b	3→04	1	2	8
	04	Flowmeter for oxygen source, with gradations in ml	1 → b	2 → b	3→05	1	2	8
	05	Humidifier	1 → b	2 → b	3→06	1	2	8
	06	Oxygen delivery apparatus (key connecting tubes and mask/nasal prongs)	1 → b	2 → b	3→5113	1	2→ 5113	8→ 5113

	5108	At any time during the past 3 months has oxygen been unavailable for this unit for any reason?	YES.....1 NO 2	

		F4. SURGICAL EQUIPMENT						
	5113	Now I would like to see some basic surgical equipment. For each item I ask about, please tell me if it is available, and show me the item. Where relevant, also please tell me if the item is functioning today. ASK TO SEE EACH OF THE FOLLOWING ITEMS. EQUIPMENT MAY BE REPORTED AS "OBSERVED" AVAILABLE IF THE RESPONDENT CAN SHOW A STERILE PACK WHERE THE EQUIPMENT IS LOCATED. EQUIPMENT MAY BE LOCATED IN ANY SURGICAL THEATER OR MAY BE IN A CENTRAL STORAGE AREA FOR SURGICAL EQUIPMENT						

		ITEM	a) AVAILABLE			b) FUNCTIONING		
			OBSERVED	REPORTED NOT SEEN	NOT AVAILABLE	YES	NO	DON'T KNOW
	01	Basic operating table	1 → b	2 → b	3→ 02	1	2	8
	02	Overhead operating light	1 → b	2 → b	3→03	1	2	8

	03	Examination light (other than overhead surgical light) that can be aimed (flashlight acceptable) to visualize site being examined/surgical site	1 → b	2 → b	3→05	1	2	8
	05	Gasometer	1 → b	2 → b	3→06	1	2	8
	06	Capnograph	1 → b	2 → b	3→09	1	2	8
	09	Cardiac monitor	1 → b	2 → b	3→10	1	2	8
	10	EKG electrodes	1 → b	2 → b	3→11	1	2	8
	11	Defibrillator	1 → b	2 → b	3→12	1	2	8
	12	Thermometer (manual/electronic/digital)	1 → b	2 → b	3→13	1	2	8
	13	Blood pressure apparatus (manual sphygmomanometer with stethoscope or digital)	1 → b	2 → b	3→14	1	2	8
	14	Auto Blood Pressure machine	1 → b	2 → b	3→16	1	2	8
	16 S	Suction apparatus (manual or electronic)	1 → b	2 → b	3→18	1	2	8
	18 S	Suction catheters	1 → b	2 → b	3→22	1	2	8
	22 S	Needle holder	1 → b	2 → b	3→24	1	2	8
	24 S	Scalpel handle with blade	1 → b	2 → b	3→25	1	2	8
	25 S	Retractor	1 → b	2 → b	3→26	1	2	8
	26 S	Surgical scissors	1 → b	2 → b	3→27	1	2	8
	27 S	Spinal Needle	1 → b	2 → b	3→28	1	2	8
	28 S	Nasogastric tube adult (e.g., ,French gauge 14-16G)	1 → b	2 → b	3→29	1	2	8
	29 S	Tourniquet	1 → b	2 → b	3→30	1	2	8
	30	Cricothyroidotomy set	1 → b	2 → b	3→31	1	2	8
	31	Urinary catheters	1 → b	2 → b	3→32	1	2	8
	32	Sterile latex gloves	1 → b	2 → b	3→5114	1	2	8
	5114	**ADULT RESPIRATORY EQUIPMENT**						
	01	Adult anaesthesia machine	1 → b	2 → b	3 02 ↵	1	2	8
	02	Oropharyngeal airway- adult	1 → b	2 → b	3 03 ↵	1	2	8
	03	Endotracheal tube- adult (e.g., cuffed sizes 5.5 to 9.0)	1 → b	2 → b	3 04 ↵	1	2	8
	04	Tubings and connectors (to connect endotracheal tube)	1 → b	2 → b	3 05 ↵	1	2	8
	05	Stylet or bougie adult	1 → b	2 → b	3 06 ↵	1	2	8
	06	Laryngoscope handle and blade- adult	1 → b	2 → b	3 07 ↵	1	2	8
	07	Magills forceps- adult	1 → b	2 → b	3 08 ↵	1	2	8
	08	Laryngeal mask airways (adult)	1 → b	2 → b	3 09 ↵	1	2	8
	09	Self-inflating bag and mask for resuscitation – adult	1 → b	2 → b	3 10 ↵	1	2	8

	10	Ventilators/respirators?	1 nti	2 nti	3 5115	1	2	8

	5115	**Does this facility perform paediatric surgery?**	**YES ..... 1** **NO ..... 2** → **9570**
	5116	Does this facility have a general paediatric surgical provider present in the facility or on-call in near proximity (within 30 minutes) 24 hours a day, including weekends and on public holidays?	YES, 24 HOURS ONSITE ..... 1 YES, NOT 24 HOURS ONSITE, BUT 24 HOURS ON-CALL ..... 2 NO 24-HOUR COVERAGE 3
	5117	Does this facility have a general paediatric anaesthesia provider present in the facility or on-call in near proximity 24 hours a day, including weekends and on public holidays?	YES, 24 HOURS ONSITE ..... 1 YES, NOT 24 HOURS ONSITE, BUT 24 HOURS ON-CALL ..... 2 NO 24-HOUR COVERAGE 3

		ASK TO SEE EACH ITEM THAT IS REPORTED AVAILABLE AND ASSESS IF IT IS FUNCTIONING	a) AVAILABLE			b) FUNCTIONING		
			OBSERVED	REPORTED NOT SEEN	NOT AVAILABLE	YES	NO	DON'T KNOW
	5118	Paediatric equipment						
	08 S	Nasogastric tube pediatric: e.g., French gauge (10-12)	1 → b	2 → b	3 09	1	2	8
	09	Paediatric urinary catheters including <12 Fr	1 → b	2 → b	3 10	1	2	8
	10	Paediatric central lines including <7 Fr	1 → b	2 → b	3 5119	1	2	8
	5119	PAEDIATRIC INTUBATION AND ANAESTHESIA EQUIPMENT						
	01	Paediatric anaesthesia machine	1 → b	2 → b	3 02	1	2	8
	02 S	Oropharyngeal airway- paediatric	1 → b	2 → b	3 03	1	2	8
	03 S	Endotracheal tube- paediatric (e.g., uncuffed sizes 3.0 to 5.0)	1 → b	2 → b	3 04	1	2	8
	04	Laryngoscope handle and blade neonatal (size 1)	1 → b	2 → b	3 05	1	2	8
	05	Laryngoscope handle and blade- paediatric	1 → b	2 → b	3 06	1	2	8
	06	Magills forceps- paediatric	1 → b	2 → b	3 07	1	2	8
	07	Nasopharyngeal airways (paediatric)	1 → b	2 → b	3 08	1	2	8
	08	Self-inflating bag and mask for resuscitation - paediatric	1 → b	2 → b	3 09	1	2	8
	09 S	Self-inflating bag and mask for resuscitation - neonatal (e.g., valve size 1)	1 → b	2 → b	3 10	1	2	8
	5120	At any time during the past 3 months has the neonatal bag and mask been unavailable for this unit for any reason?	YES ..... 1 NO 2					

	9570	Does this facility have a surgical ward? IF YES, GO TO THE SURGICAL WARD/UNIT. IF MORE THAN ONE UNIT, RANDOMLY SELECT ONE FOR ASSESSMENT.	YES ..... 1 NO 2	→ END

39.1	9571	INDICATE IF THE FOLLOWING WAS OBSERVED IN THE UNIT	YES	NO	NOT APPLI-CABLE	
39.1	01	FLOOR: SWEPT, NO OBVIOUS DIRT OR WASTE	1	2		
39.1	02	COUNTERS/TABLES/CHAIRS: WIPED CLEAN- NO OBVIOUS DUST OR WASTE	1	2		
39.1	03	NEEDLES, SHARPS BOX MORE THAN ¾ FULL, OR ANY USED NEEDLES/SHARPS OUTSIDE THE BOX	1	2		
39.1	04	SHARPS BOX TORN/PIERCED	1	2		
39.1	05	BANDAGES/INFECTIOUS WASTE LYING UNCOVERED	1	2		
39.1	06	WERE ALL STAFF WEARING APPROPRIATE UNIFORMS IN THIS UNIT?	1	2		
39.1	07	WERE STAFF WEARING NAME TAGS IN THIS UNIT?	1	2		
39.1	08	WERE NON-SMOKING SIGNS OBSERVED IN THIS UNIT?	1	2		
39.1	09	IS THE PATIENT TOILET CLEAN WITH NO FAECAL MATERIAL OR BLOOD ON THE TOILET, FLOOR, OR WALLS?	1	2	5	
39.1	10	Functioning hand hygiene stations (that is, alcohol-based handrub solution or soap and water with a basin/pan and clean single-use towels)	1	2		

TB Service Area Questionnaire

	16 TUBERCULOSIS SERVICES			
260 **261.6**	2820	Does this facility provide any services for tuberculosis? This includes case detection, diagnosis, prescribing treatment, patient clinical follow up, patient follow-up for adherence, and/or periodic resupply of individual patient drugs	YES..... 1 NO 2	➔END
	16.1. CASE DETECTION AND PREVENTION OF AIRBORNE TRANSMISSION			
	First, I want to know about any TB case detection activities in the general outpatient service area for sick patients. I would like to first speak with the most knowledgeable person in the outpatient service area about routine practices related to identifying suspect TB patients and how these cases are managed. INTRODUCE YOURSELF, EXPLAIN THE PURPOSE OF THE SURVEY AND ASK THE FOLLOWING QUESTIONS.			
	A. CASE DETECTION AND TRANSMISSION PREVENTION			
683	2825	Do providers in this facility routinely screen any sick patients for their risk for TB? This means that they are asked about exposure to persons with TB or whether they are HIV infected or have diabetes? IF YES, CLARIFY IF SCREENING FOR RISK IS ROUTINELY PERFORMED FOR ALL ADULTS, ALL CHILDREN, OR ONLY FOR PATIENTS WITH SYMPTOMS.	YES, ALL ADULTS ONLY..... 1 YES, ALL CHILDREN ONLY..... 2 YES, ALL CHILDREN AND ADULTS..... 3 NO, ONLY PATIENTS WITH SYMPTOMS ASSOCIATED WITH TB ..... 4 NO..... 5	
683	2828	Does this facility routinely put patients who have come for services and who are coughing in a separate location from other patients?	YES ..... 1 NO..... 2	➔K2829
683	2829	Where are the coughing patients moved to while they wait to see the provider?	SEPARATE ROOM ..... 1 TO ONE SIDE OF THE WAITING AREA..... 2 OTHER _____..... 6 (SPECIFY)	
	KEN2829	Are there any procedures in place to identify patients observed to have cough and to fast-track to diagnosis?	YES ..... 1 NO..... 2	➔2833

			YES	NO	
	KEN2830	Are any of the following procedures used to identify patients observed to have cough and to fast-track to diagnosis?			
	01	Admission/clerical staff place coughing patients in a separate area	1	2	
	02	staff are instructed to identify coughing patients and ask them to move to separate areas	1	2	
	03	Posters instruct patients to use masks if they are coughing	1	2	
	04	staff are instructed to move coughing patients ahead of other waiting patients	1	2	
	06	Other _____ (SPECIFY)	1	2	

			YES	NO	
	2833	Are any of the following items available for patients? IF YES, ASK: May I see the item?			
683	01	Tissue papers	1	2	
683	02	Surgical/respiratory masks	1	2	

	KEN03	Waste receptacle bin with lid and plastic bin liner clearly marked, for example, by label or colour, for potentially infectious non-sharp waste	1	2	
	KEN04	Does the waste receptacle for potentially infectious waste have a functional foot pedal to open it?	1	2	

B. TESTING SUSPECT TB PATIENTS

262.2	2840	What is the process for managing Presumptive TB Patients?	REFER PATIENT TO SITE IN THIS FACILITY FOR DIAGNOSIS 1 REFER PATIENT OUTSIDE FACILITY FOR DIAGNOSIS .....2 COLLECT SPUTUM AND SEND FOR TESTING.....3 NEVER SEND PATIENT OR SPUTUM FOR TB DIAGNOSIS 5	➔2844 ➔2844 ➔2850

	2843	Please tell me if any of the items I ask about available in this service site, and if so, please show them to me	YES, OBSERVED	YES, REPORTED, NOT SEEN	NO	
261.1	01	Sputum cup add a row for Falcon tubes	1	2	3	
261.1	02	Referral form for sputum specimen or for patient	1	2	3	

261.1 **270** **262.2**	2844	Does this facility receive the TB sputum test results (for microscopy, GeneXpert and/or culture) for the patient or is the specimen sent elsewhere for testing? IF YES, ASK: May I see a record that shows specimens or patients sent, and results returned?	YES, OBSERVED ..... 1 YES, REPORTED, NOT SEEN ..... 2 NO 3	➔2850
262.2	2845	What is the action taken when a TB test result is positive?	TREAT ONSITE ..... 1 DIAGNOSE AND TREAT IN ANOTHER SITE IN THIS FACILITY ..... 2 REFER OUTSIDE FACILITY FOR DIAGNOSIS AND TREATMENT 3	
	KEN2846	Does this facility routinely check drug sensitivity (DST) for patients who are diagnosed with TB?	YES, DST IN THIS FACILTY..... 1 YES, REFER TO ANOTHER FACILITY FOR FURTHER DST..... 2 NO..... 3	

	KEN2847	When the sputum test is negative does the provider ever provide any of the following follow-up services?	YES	NO	
	01	Prescribe treatment based on clinical diagnosis of TB	1	2	
	02	Prescribe drugs for other respiratory infections	1	2	
	03	Refer elsewhere in the facility for further examination and diagnosis	1	2	
	04	Refer outside to another facility for further examination and diagnosis	1	2	

	16.2 DIAGNOSING TUBERCULOSIS			
	2850	I want to know about the facility practices for diagnosing TB. Does this facility make the diagnosis of TB for any types of patients?	YES ..... 1 NO 2	➔2860
	2851	Do providers in this facility diagnose TB for minor adolescents 10-19 years of age? IF YES, CLARIFY IF GUARDIAN PERMISSION IS REQUIRED OR NOT	YES, GUARDIAN CONSENT REQUIRED ..... 1 YES, NO GUARDIAN CONSENT REQUIRED ..... 2 NO 3	
	2852	Do providers in this facility diagnose TB for adults?	YES ..... 1 NO 2	➔2854
	2853	Which of the following methods are ever used at this facility for diagnosing TB for adults?	YES	NO
	01	Diagnose TB using clinical symptoms only	1	2
	02 S	Sputum smear microscopy examination	1	2
	06 S	Culture	1	2
	07 S	Rapid test (GeneXpert MTB/RIF)	1	2
	08 S	Chest X-ray	1	2
	KEN09	Fine needle aspiration (FNA) for pulmonary TB	1	2
	2854	Do providers in this facility diagnose TB for children?	YES ..... 1 NO 2	➔2860
	2855	Which of the following methods are used at this facility for diagnosing TB for children?	YES	NO
670.1	01	Diagnosis TB based on clinical symptoms only	1	2
670.1	02	Sputum smear microscopy examination	1	2➔06
670.1	03	1 positive sputum test required	1➔06	2
670.1	04	2 positive sputum tests required	1➔06	2
670.1	05	3 positive sputum tests required	1	2
670.1	06	Culture	1	2
670.1	07	Rapid test (GeneXpert MTB/RIF)	1	2
670.1	08	Chest X-ray	1	2
	KEN09	Gastric lavage	1	2
	KEN10	Nasopharyngeal aspirate	1	2

	16.3 PRESCRIBING TREATMENT			
260.1	2860	Do providers in this facility prescribe the drugs for TB treatment for any category of patient?	YES ..... 1 NO 2	
	16.4 TB TREATMENT AND ENROLLED PATIENT FOLLOW-UP			
	2870	Do providers in this facility provide patient follow-up services for patients enrolled in TB treatment?	YES ..... 1 NO 2	➔2885
	2871	IF YES, ASK: Which of the following services do providers in this facility provide?	YES	NO
260.1	01	Clinical follow up, including prescription revision if needed and adherence assessment	1	2
260.1	02	Periodic provision of TB drugs according to prescription	1	2
260.1	03	Follow-up to support adherence to treatment and patient follow-up appointments	1	2

	KEN04	Reviews bin card for adherence to drug pick-up	1	2	
	KEN05	Psychosocial follow up	1	2	
	KEN06	Laboratory based follow up, other than routine sputum testing, when needed	1	2	
		Sputum follow-up testing			
	KEN07	Month 0 (month treatment starts)	1	2	
	KEN08	Month 2 of treatment	1	2	
	KEN09	Month 5 of treatment	1	2	
	KEN10	Month 6 of treatment	1	2	
	KEN11	Nutrition counsel and support	1	2	
	KEN12	Active drug safety monitoring	1	2=>2885	
	KEN13	Assess drug adherence problems that may be associated with adverse drug reactions	1	2	
	KEN14	Laboratory test abnormalities that may be associated with adverse drug reactions	1	2	
	KEN15	Report adverse drug reactions	1	2	

	16.6 TB/HIV COINFECTION			
260.1	2885	Do providers in this facility screen or test TB patients for HIV or have a system for diagnosis of HIV among TB patients?	YES, ...1 NO 2	→2900
265.2	2889	Is there any register or record of TB patients who were tested for HIV? IF YES, ASK: May I see any record or other evidence that shows TB patients are routinely tested for HIV?	YES, OBSERVED.....1 YES, REPORTED, NOT SEEN .....2 NO 3	
	2900	Does the facility have links with CHVs for any TB related services?	YES.....1 NO 2	

	16.8 DRUG RESISTANT TB				
681.1	2910	Which of the following other TB services are provided by this facility?	YES	NO	
681.1	01	Any services related to case detection, testing, or treatment for drug resistant TB?	1	2→2917	
681.1 **681.2**	02	Diagnose drug resistant (MDR) TB by testing in facility	1→2913	2	
681.1 **681.2**	03	Diagnose drug resistant (MDR) TB by referring patient or sending specimen outside facility for testing	1	2	
	2913	OTHER SERVICES FOR DRUG RESISTANT TB	YES	NO	
681.1	01	Does this facility prescribe treatment for drug resistant TB	1	2	
681.1	02	Follow up drug resistant TB patients for adherence	1	2	
681.1	03	Provide the drugs for drug resistant TB patients	1	2	
	KEN04	Facilitate social support for patients with DRTB	1	2	
	KEN05	Perform contact tracing for patients with DRTB	1	2	

682	2917	Have all facility staff been screened for TB within the past 6 months? IF NO, ASK: within the past 12 months?	YES , WITHIN PAST 6 MONTHS..... ..... 1 YES, WITHIN PAST 12 MONTHS..... 2 NO 3	
	2921	IS THIS THE SAME SERVICE SITE WHERE TB CASE DETECTION PRACTICES WERE ASSESSED?	YES ..... 1 NO 2	➔2940
	KEN03	Waste receptacle bin with lid and plastic bin liner clearly marked, for example, by label or colour, for potentially infectious non-sharp waste?	1	2
	KEN04	Does the waste receptacle for potentially infectious waste have a functional foot pedal to open it?	1	2
	2924	Are fine particle respirators NIOSH or CEN (e.g., N95) available for staff in this service site? IF YES, ASK TO SEE THEM	YES, OBSERVED ..... 1 YES, REPORTED, NOT SEEN ..... 2 NO 3	
	2925	Has the staff undergone a fit test for the respirators? IF YES, CLARIFY THE FREQUENCY	YES, EVERY 12 MONTHS..... 1 YES, EVERY 13-24 MONTHS..... 2 YES,, LESS OFTEN THAN EVERY 24 MONTHS 3 NO 4	

	16.10 SUPPORT FOR QUALITY TB SERVICES					
	2930	Does this facility have any of the following documents available in this service site today? IF YES, ASK: May I see the documents?	YES, OBSERVED	YES, REPORTED, NOT SEEN	NO	
677	03	Guidelines for TB infection control	1	2	3	

	16.11 TB DRUGS			
	2940	Does the facility provide follow-up for enrolled TB patient by supplying drugs?	YES.....1 NO 2	➔END
	2941	How does the facility receive the drugs that are provided to patients?	INDIVIDUAL PATIENT SUPPLY PROVIDED FROM OUTSIDE THE FACILITY .....1 PROVIDES FROM BULK SUPPLY.....2 BOTH METHODS USED.....3	➔2960
	2947	During the past 3 months has there been any stockout of the individual drug supply on the day when patients came to pick up their medicines?	YES.....1 NO 2	➔2960
	KEN2947	What action does this facility take when individual patient drug supply is not available?	FILL PATIENT PRESCRIBED TB MEDICINES FROM STOCK DRUGS.....1 BORROW TB MEDICINES FROM NEARBY SITES OUTSIDE FACILITY .....2 REFER PATIENT TO COLLECT TB MEDICINES FROM OTHER SITES OUTSIDE FACIITY .....3 NO ACTION, PATIENT RETURNS WHEN TB MEDICINES ARE AVAILABLE 4	
		BULK STOCK SUPPLY OF TB DRUGS		
	2960	Does this facility stock any medicines for TB treatment that are not allocated for individual patients, that is, bulk drugs? IF YES, ASK: Where is the main storage area for TB bulk medicines? IF THE MAIN DRUG STORAGE AREA IS NOT THE MAIN PHARMACY, GO TO THE SITE AND ASSESS TB DRUGS AND DRUG STORAGE CONDITIONS	YES, MAIN DRUG STORAGE SITE IS OTHER THAN MAIN PHARMACY ..... 1 YES, MAIN SITE IS PHARMACY ..... 2 NO, BULK TB MEDS NOT STOCKED 3	➔END ➔END

	2962	TUBERCULOSIS DRUGS	(a)	(b)

			AVAILABILITY					STOCKOUT PAST 3 MONTHS	
			OBSERVED		NOT OBSERVED				
			AT LEAST ONE NOT EXPIRED	AVAILABLE BUT EXPIRED	REPORTED AVAILABLE BUT NOT SEEN	NOT AVAILABLE TODAY	NEVER AVAILABLE	YES	NO
	01[S]	Ethambutol	1→b	2 → 02	3→b	4 → 02	5 → 02	1	2
	02[S]	Isoniazid	1→b	2 → 03	3→b	4 → 03	5 → 03	1	2
	03[S]	Pyrazinamide	1→b	2 → 04	3→b	4 → 04	5 → 04	1	2
	04[S]	Rifampicin	1→b	2 → 05	3→b	4 → 05	5 → 05	1	2
	05[S]	Isoniazid + Rifampicin (2FDC)	1→b	2 → 06	3→b	4 → 06	5 → 06	1	2
	06[S]	Isoniazid + Ethambutol (EH) (2FDC)	1→b	2 → 07	3→b	4 → 07	5 → 07	1	2
	07[S]	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	1→b	2 → 08	3→b	4 → 08	5 → 08	1	2
	08[S]	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	1→b	2 → 09	3→b	4 → 09	5 → 09	1	2
	09[S]	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)	1→b	2 → 10	3→b	4 → 10	5 → 10	1	2
	10	Pediatric formulation for INH –as a single drug for IPT	1→b	2 → 11	3→b	4 → 11	5 → 11	1	2
	11	Pediatric formulation for Rifampicin (may be in a combined formulation)	1→b	2 → 12	3→b	4 → 12	5 → 12	1	2
	12	Pediatric formulation for Pyrazinamide (may be in a combined formulation)	1→b	2 → 13	3→b	4 → 13	5 → 13	1	2
	13	Pediatric formulation for Ethambutol (may be in a combined formulation)	1→b	2 → 14	3→b	4 → 14	5 → 14	1	2
	14[S]	Streptomycin Injectable	1→b	2 → 15	3→b	4 → 15	5 → 15	1	2
	15	National 1st line MDR treatment regimen	1→b	2 → 15	3→b	4 → 15	5 → 15	1	2
	KEN15A	Capreomycin 1gm vial	1→b	2 → 15B	3→b	4 → 15B	5 → 15B	1	2
	KEN15B	Cycloserine 250mg Tablets	1→b	2 → 15C	3→b	4 → 15C	5 → 15C	1	2
	KEN15C	Kanamycin 1gm vial	1→b	2 → 15D	3→b	4 → 15D	5 → 15D	1	2
	KEN15D	Levofloxacin 250mg Tablets	1→b	2 → 15E	3→b	4 → 15E	5 → 15E	1	2
	KEN15E	Levofloxacin 500mg Tablets	1→b	2 → 15F	3→b	4 → 15F	5 → 15F	1	2

	KEN15F	Para-aminosalicylic acid 4mg	1➔b	2 15G	3➔b	4 15G	5 15G	1	2
	KEN15G	Prothionamide 250mg	1➔b	2 15H	3➔b	4 15H	5 15H	1	2
	KEN15H	Bedaquiline 100mg	1➔b	2 15I	3➔b	4 15I	5 15I	1	2
	KEN15I	Linezolid 600mg	1➔b	2 15J	3➔b	4 15J	5 15J	1	2
	KEN15J	Moxifloxacin 400mg	1➔b	2 15K	3➔b	4 15K	5 15K	1	2
	KEN15K	Delamanid 50mg	1➔b	2 15L	3➔b	4 15L	5 15L	1	2
	KEN15L	Clofazimine 100mg	1➔b	2 16	3➔b	4 16	5 16	1	2
	16	Cotrimoxazole tablet	1➔b	2 17	3➔b	4 17	5 17	1	2
	17	Cotrimoxazole syrup	1➔b	2 9651	3➔b	4 9651	5 9651	1	2

		E. TB DRUG STORAGE CONDITIONS			
29.2	9651	OBSERVE THE PRIMARY PHARMACY FOR TB DRUG STORAGE CONDITIONS AND INDICATE THE PRESENCE (OR ABSENCE) OR EACH OF THE FOLLOWING CONDITIONS	YES	NO	
29.2	01	ARE THE MEDICINES OFF THE FLOOR?	1	2	
29.2	02	ARE THE MEDICINES AT RISK OF WATER DAMAGE FROM LEAKS OR OTHER SOURCES?	1	2	
29.2	03	ARE THE MEDICINES PROTECTED FROM DIRECT SUNLIGHT?	1	2	
29.2	04	IS THE ROOM CLEAN OF EVIDENCE OF RODENTS (BATS, RATS) OR PESTS (ROACHES, ETC.)	1	2	
29.2	05	AIRFLOW SUFFICIENT TO REDUCE RISK OF MOLD AND MILDEW	1	2	
29.2	9652	Is there a thermometer for the room? IF YES, ASK: May I see the thermometer? CHECK TO SEE IF THE THERMOMETER IS FUNCTIONING.	YES, FUNCTIONING .....1 YES, NOT FUNCTIONAL .....2 NO.....3		 ➔9656 ➔9656
	9653	RECORD THE TEMPERATURE AT THE TIME OF THE SURVEY	TEMPERATURE CENTIGRADE NO FUNCTIONAL THERMOMETER.....98		
29.2	9654	Is there a record of monitoring the room temperature over the past 30 days? IF YES, ASK TO SEE THE RECORD.	YES, OBSERVED TEMPERATURE RECORDED DAILY.....1 TEMPERATURE RECORDED AT LEAST WEEKLY .....2 TEMPERATURE RECORDED LESS THAN WEEKLY .....3 YES, REPORTED, NOT SEEN.....4 NO.....5		 ➔9656 ➔9656 ➔9656 ➔9656
29.2	9655	DOES THE TEMPERATURE MONITORING RECORD SHOW THE TEMPERATURE >= 15 AND <= 25 CENTIGRADE EACH OF THE PAST 30 DAYS?	YES.....1 NO.....2		
29.2	9656	LOOK AT THE STORAGE AREA AND VERIFY ITEM WITH RESPONDENT	YES	NO	
29.2	01	Can the main TB drug storage area(s) be locked?	1	2	
29.2	02	Is there limited access to the main TB drug storage areas?	1	2	

29.2	03	OBSERVE IF ALL DOORS THAT SEPARATE THE TB DRUG STORAGE AREA FROM NON-PHARMACEUTICAL STORAGE AREAS ARE SOLID	1	2	
29.2	04	OBSERVE IF WINDOWS HAVE BARS OR SHUTTERS OR OTHER MEANS FOR SECURITY. IF THERE ARE NO WINDOWS, MARK '1' FOR YES.	1	2	

ANNEX 3: FOOTNOTES FOR FIGURES LINKED WITH ANNEX TABLES

Annex Table 10: Availability of basic amenities tracer items by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 26 Proportion (%) of facilities with basic amenities items available (N=2927), Kenya 2018

Power

What is the electricity used for in the facility? (q2026) -

- Electric lighting and communications (any level)
- Electric lighting, communications, and 1 to 2 electric medical devices/ appliances.
- All electrical needs of facility

During the past 7 days, was electricity available, from the main or any backup source, at all times the facility was open for services? (q2035)

- Always available (no interruptions)
- Often available (some hours per day)

Water availability

What is the most commonly used source of water for the facility at this time? (q2050);

- Piped into the facility,
- Piped onto facility grounds,
- Public tap/standpipe,
- Borehole,
- Protected dug well,
- Protected spring,
- Rain water

Is water available from this most commonly used source on facility premises?Is water available from this most commonly used source on facility premises? (q2051)

- Yes, observed inside the facility
- Yes, observed within the grounds of the facility

Room with auditory and visual privacy

Is there a room with auditory and visual privacy available for patient consultations? (q2230)

- Both auditory and visual privacy

Sanitation facilities

Is there a toilet (latrine) on the premises in functioning condition that is accessible for male clients at the general outpatient ? (k2231)

- To sewer connection
- To septic tank onsite
- With slab
- Composting toilet.
- Mobile toilet (port a potty)

If yes, ask to see a toilet that men can use and indicate if it is usable (available, functional, private) (k2232)

- yes, usable, functional, private

Is alcohol-based hand-rub available by the toilet? (k2233)

- yes, observed

Is there a toilet (latrine) on the premises in functioning condition that is accessible for female clients at the general outpatient? (K 2234)

- To sewer connection
- To septic tank onsite
- With slab
- Composting toilet hanging toilet/ hanging
- Mobile toilet (port a potty)

IF YES, Ask To See A Toilet That Is Specific For Women And Indicate If It Is Usable (Available, Functional, Private) (q2234)

- yes, usable, functional, private

Observe if hand washing materials (soap and running water) are by the women's toilet.(q 2235)

- yes, soap and water observed

Communication equipment

Does this facility have a formal means for communicating outside the facility such as a phone or radio that are supported by the facility? (q2000)

- yes, functional

Computer with internet

Does this facility have a functioning computer? (q2002)

- Yes

Is there access to email or internet within the facility today? (q2004)

If yes, clarify if there is a facility device that can be used for internet access or if access is only through private devices.

- Yes, facility device

Is the connecting time for the internet paid or allocated by the management? (q2005)

- Yes

Emergency transportation

Does this facility have access to a functional ambulance or other vehicle for emergency transportation for clients that is either stationed at this facility or that you can call for? (q2133)

- Yes, ambulance
- Yes, other type of vehicle

Is the vehicle available and functional today? (q2135)

IF UNCERTAIN, ASK RESPONDENT TO CHECK WITH SOMEONE WHO WOULD KNOW.

- Yes

Basic amenities domain score

(Power + water availability + room with auditory and visual privacy + sanitation facilities + communication equipment + computer with internet+ emergency transportation)/7

Annex Table 11: Availability of basic equipment tracer items by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 28. Proportion (%) of facilities with basic equipment items available (N=2927), Kenya 2018

Basic Equipment.

All items, I.E stethoscope, blood pressure apparatus, thermometer, adult scale child scale and light source were observed and functioning.

Annex Table 12: Availability of standard precautions for infection prevention tracer items by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 30. Proportion (%) of facilities with standard precautions for infection prevention items available (N=2927), Kenya 2018

Safe final disposal of sharps

What is the most common method used by this facility for final disposal of sharps waste (e.g., filled sharps boxes)? (Q 2075)

- 2 - chamber industrial (800-1000+degrees C)
- 1 - chamber drum/brick
- Pit or flat ground protected
- Covered pit or pit latrine
- Protected ground or pit
- Stored in covered container
- Environment

Ask to see the place used by the facility for disposal of sharps waste and indicate the condition observed. if sharps waste is disposed off-site, observe the site where waste is stored prior to collection for offsite disposal. (Q 9549)

- No waste visible
- Waste visible but protected area

Safe final disposal of infectious wastes

What is the most common method used by this facility for final disposal of medical waste other than sharps, such as used bandages.(Q 2076)

- Same as for sharp items
- 2-chamber industrial (800-1000+° C) 2
- 1-chamber drum/brick
- Stored in other protected environment
- Pit or protected ground
- Covered pit or pit latrine
- Stored in covered container
- Protected ground or pit

ask to see the place used by the facility for disposal of medical waste and indicate the condition observed. if medical waste is disposed off-site, observe the site where waste is stored prior to collection for offsite disposal. (q9551)

- No waste visible
- Waste visible but protected area

Appropriate storage of sharps waste

Please tell me if the following resources/supplies used for infection control are available in the general outpatient area of this facility today. `

Ask to see each item that is available please tell me if the following resources/supplies used for infection control are available in the general outpatient area of this facility today. Ask to see each item that is available (Q 2270) _12

- Safety box (for sharps) - Observed

Does this facility offer HIV testing services? (q4010)

- No

Please tell me if the following resources/supplies used for infection control are available in this service area today.(Q 4024)

- Disposable syringes with disposable needles - Yes observed

Are any surgical procedures other than those minor surgical procedures already asked about carried out by this facility, either as out or inpatient procedures? (q5010)

- Yes
- No

I am interested in knowing if the following resources and supplies used for infection prevention and control are available in the surgical service area. (q5080)

- Safety box (for sharps)-Yes

Appropriate storage of infectious waste

Please tell me if the following resources/supplies used for infection control are available in the general outpatient area of this facility today.

Waste receptacle bin with lid and plastic bin liner clearly marked, for example, by label or colour, for potentially infectious non-sharp waste (q2270a_08)

- Observed

Does the waste receptacle for potentially infectious non-sharp waste have a functional foot pedal to open it? (q2270a_9)

- Observed

Does this facility offer HIV testing services? (q4010)

- Yes
- No

Please tell me if the following resources/supplies used for infection control are available in this service area today.

Waste receptacle bin with lid and plastic bin liner clearly marked, for example, by label or colour, for potentially infectious non-sharp waste (q4024_08)

- Yes, observed

Does the waste receptacle for potentially infectious waste have a functional foot pedal to open it? (q4024_9)

- Yes observed

Are any surgical procedures other than those minor surgical procedures already asked about carried out by this facility, either as out or inpatient procedures? (q5010)

- Yes
- No

I am interested in knowing if the following resources and supplies used for infection prevention and control are available in the surgical service area.

Waste receptacle bin with lid and plastic bin liner clearly marked, for example, by label or colour, for potentially infectious non-sharp waste (q5080_8)

- Observed

Does the waste receptacle for potentially infectious non-sharp waste have a functional foot pedal to open it? (q5080_9)

- Observed

Disinfectant

Please tell me if the following resources/supplies used for infection control are available in the general outpatient area of this facility today.

Environmental disinfectant (e.g., chlorine, alcohol) (2270_13)

- Observed

Please tell me if the following resources/supplies used for infection control are available in this service area today.

Auto-disable syringes (4024_13)

- Yes, observed

I am interested in knowing if the following resources and supplies used for infection prevention and control are available in the surgical service area.

Environmental disinfectant (e.g., chlorine, alcohol) (q5080_13)

- Observed

Disposable or auto-destruct needles

Please tell me if the following resources/supplies used for infection control are available in the general outpatient area of this facility today.

Disposable syringes with disposable needles (q2270_14)

- Observed

Auto-disable syringes (2270_15)

- Observed

Please tell me if the following resources/supplies used for infection control are available in this service area today;

Disposable syringes with disposable needles (q 4024_12)

- Yes, observed

Auto-disable syringes (q4024_13)

- Yes observed

I am interested in knowing if the following resources and supplies used for infection prevention and control are available in the surgical service area.

Disposable syringes with disposable needles (q5080_14)

- Observed

Auto-disable syringes (q5080_15)

- Observed

Soap and water or alcohol based hand rub.

Please tell me if the following resources/supplies used for infection control are available in the general outpatient area of this facility today.

Clean running water (piped, bucket with tap, or pour pitcher) (q2270_1)

- Observed

Soap (bar or liquid) for hand hygiene (q2270_2)

- Observed

Alcohol based hand rub/ hand sanitizer (q2270_3)

- Observed

Does this facility offer HIV testing services?(q4010)

- Yes
- No

Please tell me if the following resources/supplies used for infection control are available in this service area today.

Clean running water (piped, bucket with tap, or pour pitcher) (q4024_1)

- yes, observed

Soap (bar or liquid) for hand hygiene (4024_2)

- yes, observed

Does this facility offer HIV testing services? (q4010)

- Yes

Please tell me if the following resources/supplies used for infection control are available in this service area today.

Alcohol based handrub (q4024_3)

- Yes, observed

Are any surgical procedures other than those minor surgical procedures already asked about carried out by this facility, either as out or inpatient procedures? (5010)

- Yes
- No

I am interested in knowing if the following resources and supplies used for infection prevention and control are available in the surgical service area.

Clean running water (piped, bucket with tap, or pour pitcher)(q5080_1)

- Observed

Soap (bar or liquid) for hand hygiene (q5080_2)

- Observed

Are any surgical procedures other than those minor surgical procedures already asked about carried out by this facility, either as out or inpatient procedures? (q5010)

- Yes

I am interested in knowing if the following resources and supplies used for infection prevention and control are available in the surgical service area.

Alcohol based handrub (q5080_3)

- Observed

Latex Gloves

Please tell me if the following resources/supplies used for infection control are available in the general outpatient area of this facility today.

Disposable latex gloves (non sterile) (q2270_6)

- Observed

Disposable latex gloves (sterile) (q2270_7)

- Observed

Does this facility offer HIV testing services?(q 4010)

- No

Does this facility offer HIV testing services?(q 4010)

- Yes

Please tell me if the following resources/supplies used for infection control are available in this service area today.

Disposable latex gloves (non sterile) (q 4024_6)

- yes, observed

Does this facility offer HIV testing services?(q 4010)

- Yes

Please tell me if the following resources/supplies used for infection control are available in this service area today.

Disposable latex gloves (sterile)(q4024_7)

- yes, observed

Are any surgical procedures other than those minor surgical procedures already asked about carried out by this facility, either as out or inpatient procedures? (q5010)

- No
- Yes

I am interested in knowing if the following resources and supplies used for infection prevention and control are available in the surgical service area.

Disposable latex gloves (non sterile) (5080_6)

- observed

Are any surgical procedures other than those minor surgical procedures already asked about carried out by this facility, either as out or inpatient procedures? (q5010)

- Yes

I am interested in knowing if the following resources and supplies used for infection prevention and control are available in the surgical service area.

Disposable latex gloves (sterile) (5080_7)

- Observed

Standard precautions domain score.

(Safe final disposal of sharps + Safe final disposal of infectious wastes + Appropriate storage of sharps waste + Appropriate storage of infectious waste + Disinfectant + Disposable or auto-destruct needles + Soap and water or alcohol based hand rub + Latex gloves)/8

Annex Table 13: Availability of diagnostics tracer items by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 32. Proportion (%) of facilities with diagnostic capacity items available (N=2927), Kenya 2018

All items were observed and functional.

Annex Table 14: Availability of essential medicines tracer items by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 34. Proportion (%) of facilities with essential medicines available (N=2927), Kenya 2018

I would like to know if the following medicines are available today in this facility. I would also like to observe the medicines that are available. If any of the medicines I mention is stored in another location in the facility, please tell me where in the facility it is stored so I can go there to verify. I will also be asking about stock outs for some specific medicines.

Amlodipine tablet or alternative calcium channel blocker

Cardiovascular; Calcium channel blocker (e.g., amlodipine tablet) (q6510_01)

- Observed, At least one not expired

Amoxicillin syrup/suspension or dispersible tablet

Anti-infective and Anti parasitic; Amoxicillin suspension/or dispersible tablet (125 or 250 mg) (q6505_04)

- Observed, At least one not expired

Amoxicillin tablet

Anti-infective and Anti parasitic; Amoxicillin capsule (500 mg) (q6505_02), Amoxicillin capsule 250 mg (q6505_3)

- Observed, At least one not expired

Ampicillin powder for injection

Anti-infective and Anti parasitic; Ampicillin powder for injection (q6505_05)

- Observed, At least one not expired

Aspirin cap/tab

Other/general medicines; Acetylsalicylic acid (Aspirin) (q6525_01)

- Observed, at least one not expired

Beclomethasone inhaler

Respiratory; Beclometasone inhaler (q6506_01)

- Observed, at least one not expired

Beta blocker

Cardiovascular; Beta blocker (e.g., Bisoprolol, metoprolol, carvedilol tablet) (q6510_01)

- Observed, at least one not expired

Carbamazepine tablet

Mental health/neurological; Carbamazepine tablet (q6530_04)

- Observed, at least one not expired

Ceftriaxone injection

Anti-infective and anti-parasitic; Ceftriaxone injection (q6505_10)

- Observed, at least one not expired

Diazepam (injectable)

Other/general medicines; Diazepam injection (q6525_10)

- Observed, at least one not expired

Enalapril tablet or alternative ACE inhibitor

Cardiovascular; Clopidogrel tabs (q6510_03)

- Observed, at least one not expired

Fluoxetine tablet

Mental health/neurological; Fluoxetine capsule (q6530_08)

- Observed, at least one not expired

Gentamicin injection

Anti-infective and anti-parasitic; Gentamicin injection (q6505_19)

- Observed, at least one not expired

Glibenclamide tablet

Diabetes; Glibenclamide tablet (q6515_02)

- Observed, at least one not expired

Haloperidol tablet

Mental health/neurological; Haloperidol tablet (q6530_11)

- Observed, at least one not expired

Insulin regular injection

Diabetes; Insulin injection-regular (q6515_3)

- Observed, at least one not expired

Magnesium sulphate (injectable)

Maternal/neonatal; Magnesium sulphate injection (q6535_3)

- Observed; at least one not expired

Metformin tablet

Diabetes; Metformin tab/cap (q6515_1)

- Observed; at least one not expired

Omeprazole tablet or alternative

Other/general medicines; Omeprazole tablet (q6525_33)

- Observed; at least one not expired

Oral rehydration salts (ORS)

Other/general medicines; Oral Rehydration Salts (q6525_32)

- Observed; at least one not expired

Injectable uterotonic

Maternal/neonatal; Oxytocin injection (q6535_9)

- Observed; at least one not expired

Salbutamol inhaler

Respiratory; Salbutamol inhaler (q6506_1)

- Observed; at least one not expired

Simvastatin tablet or other statin

Cardiovascular; Statin1 (e.g., simvastatin tablet) (q6510_08)

- Observed; at least one not expired

Hydrochlorothiazide tablet or other thiazide diuretic tablet

Cardiovascular; Clopidogrel tabs (q6510_10)

- Observed, at least one not expired

Zinc sulphate tablet or syrup

Other/general medicines; Zinc sulphate tablet (q6525_50)

- Observed, at least one not expired

Other/general medicines; Zinc sulphate syrup or dispersible tablets (q6525_51)

- Observed, at least one not expired

Essential medicines domain score

(Amlodipine tablet or alternative calcium channel blocker + Amoxicillin syrup/suspension or dispersible tablet + Amoxicillin tablet + Ampicillin powder for injection + Aspirin cap/tab + Beclomethasone inhaler + Beta blocker + Carbamazepine tablet + Ceftriaxone injection + Diazepam (injectable) + Enalapril tablet or alternative ACE inhibitor + Fluoxetine tablet + Gentamicin injection + Glibenclamide tablet + Haloperidol tablet + Insulin regular injection + Magnesium sulphate (injectable) + Metformin tablet + Omeprazole tablet or alternative + Oral rehydration salts (ORS) + Injectable uterotonic + Salbutamol inhaler + Simvastatin tablet or other statin + Hydrochlorothiazide tablet or other thiazide diuretic tablet + Zinc sulphate tablet or syrup)/25

Annex Table 17: Percentage of facilities offering key family planning services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 41. Proportion (%) of facilities that offer family planning services (N=2927), Kenya 2018

Does this facility provide or prescribe any of the following modern methods of family planning

Provision of combined oral contraceptive pills (q 4226_1)

- Yes

Provision of progestin-only contraceptive pills (q 4226_2)

- Yes

Provision of combined injectable contraceptives (q 4226_3)

- Yes

Provision of progestin-only injectable contraceptives (q 4226_4)

- Yes

Provision of male condoms (q 4226_5)

- Yes

Provision of female condoms (q 4226_6)

- Yes

Provision of intrauterine contraceptive device (q 4226_7)

- Yes

Provision of implant (q 4226_8)

- Yes

Provision of cycle beads for standard days method (q 4226_9)

- Yes

Provision of emergency contraceptive pills (q 4226_10)

- Yes

Male sterilization (q 4226_11)

- Yes

Female sterilization (q 4226_12)

- Yes

Annex Table 18: Availability of tracer items for family planning at facilities offering the service by county, facility type, managing authority, and urban vs. rural location (N=2556), Kenya 2018

Figure 43: Proportion (%) of facilities that have tracer items for family planning services among facilities that provide this service (N=2556), Kenya 2018

Now I would like to see equipment and resources that are available in the outpatient service area.

Blood pressure apparatus (may be digital or manual sphygmomanometer with stethoscope) (q2250_2)

- Available and Functioning

Condoms

a) Male condoms (q6582_5)

Observed, at least one not expired

b) Female condoms (q6582_6)

Observed, at least one not expired

Combined estrogen progesterone oral contraceptive pills (q6582_1)

- Observed, at least one not expired

Progestin-only contraceptive pills (q6582_2)

- Observed, at least one not expired

Combined estrogen progesterone injectable contraceptives (q6582_3)

- Observed, at least one not expired

Mean Availability

(Blood pressure apparatus + Condoms + Combined estrogen progesterone oral contraceptive pills + Progestin-only contraceptive pills + combined estrogen progesterone injectable contraceptives)/5

Annex Table 19: Percentage of facilities offering key antenatal care services by county, type of facility, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 45. Proportion (%) of facilities that offer antenatal care services (N=2927), Kenya 2018

Antenatal care services

Does this facility offer antenatal care (ANC) services? (q4250)

- Yes

Iron supplementation

Do ANC providers provide any of the following services to pregnant women as part of routine ANC services?

Iron supplementation (including combined iron/folic tablets) (q4251_01)

- Yes

Folic acid supplementation

Do ANC providers provide any of the following services to pregnant women as part of routine ANC services?

Folic acid supplementation (including combined iron/folic tablets) (q4251_02)

- Yes

IPT for malaria

Do ANC providers provide any of the following services to pregnant women as part of routine ANC services?

Intermittent preventive treatment in pregnancy (IPT) for malaria (q4251_03)

- Yes

Tetanus toxoid vaccination

Do ANC providers provide any of the following services to pregnant women as part of routine ANC services?

Provide ITNs or vouchers for ITNs for pregnant women (q4251_04)

- Yes

Monitoring for hypertensive disorder of pregnancy

Do ANC providers provide any of the following services to pregnant women as part of routine ANC services?

Tetanus toxoid immunization (q4251_05)

- Yes

Annex Table 20: Availability of tracer items for antenatal care at facilities offering the service by county, facility type, managing authority, and urban vs. rural location (N=2541), Kenya 2018

Figure 47: Proportion (%) of facilities that have tracer items for antenatal care services among facilities that provide that service (N=2541), Kenya 2018

Iron tablets

Other/general medicines; Combined ferrous and folic tablets (q6525_13)

- Observed , at least one not expired

Other/general medicines; Ferrous Sulfate (iron) tab/cap (q6525_14)

- Observed, at least one not expired

Folic acid tablets

Other/general medicines; Combined ferrous and folic tablets (q6525_13)

- Observed , at least one not expired

Other/general medicines; Folic acid tab/cap

- Observed, at least one not expired

Tetanus toxoid vaccine

(Has a problem in the questionnaire according to the do file and has been addressed and not included in the mean availability of items)

IPT drug

Other antimalarial; Fansidar/SP (Sulfadoxine+pyrimethamine) tabs (q6563_01)

- Observed, at least one not expired

ITNs

Other antimalarial; Insecticide treated bed nets for patients and their families and households (q6563_08)

- Observed; at least one not expired

Other antimalarial; Insecticide treated bed nets voucher for patients and their families and households (q6563_09)

- Observed, at least one not expired

Now I want to know about a few items for providing ANC. For each item I ask about please tell me if it's available and functional (or not expired) and then show it to me

ITN or vouchers for ITN (q4254_3)

- Observed

ANC medicines and commodities domain score

(Iron tablets + Folic acid tablets + IPT drug + ITNs)/4

Antenatal care services readiness index

(Haemoglobin + Urine dipstick - protein + Light source + Folic acid tablets + Iron tablets + IPT drug + ITNs)/7

Gen IN7 = (E5 + D1 + D4 + M18 + M19 + M39 + M40)/7

Annex Table 21: Percentage of facilities offering delivery services (N=2927) and of those offering delivery services, percentage of facilities offering basic emergency obstetric and newborn care (BEmONC) signal functions by county, facility type, managing authority, and urban vs. rural location (N=1683), Kenya 2018

Annex Table 22: Percentage of facilities offering delivery services which offer essential newborn services by county, facility type, managing authority, and urban vs. rural location (N=1683), Kenya 2018

Annex Table 23: Percentage of facilities offering delivery services which offer postnatal services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 49. Proportion (%) of facilities that offer delivery services (N – 2927) and of those offering delivery services, proportion of facilities that offer basic obstetric and newborn care services (N=1683), Kenya 2018

Delivery services

Does this facility offer delivery services? (q4500)

- Yes

Please tell me if any of the following interventions for the management of complications during and after pregnancy and childbirth have been carried out in the last 12 months by providers of delivery services as part of their work in this facility.

Parenteral administration of antibiotics (q4515_1)

- Yes

Parenteral administration of oxytocic drug (q 4515_2)

- Yes

Parenteral administration of anticonvulsants (q 4515_3)

- Yes

Assisted vaginal delivery (q 4515_4)

- Yes

Manual removal of placenta (q 4515_5)

- Yes

Removal of retained products (q 4515_6)

- Yes

Mean availability of obstetric signal functions offered

(Parenteral administration of antibiotics + parenteral administration of oxytocic drug + parenteral administration of anticonvulsants + assisted vaginal delivery + Manual removal of placenta + Removal of retained products)/6

Neonatal resuscitation (q 4515_7)

- Yes

Basic Emergency Obstetric Care (BEmOC); All services were available.

- Yes

Antibiotics for preterm or prolonged PROM to prevent infection (q 4516)

- Yes

Corticosteroids in preterm labor (q 4520)

- Yes

KMC (Kangaroo mother care) for premature/very small babies (q 4660)

- Yes

Injectable antibiotics for neonatal sepsis (q 4676_3)

- Yes

Mean availability of newborn signal functions offered

(Antibiotics for preterm or prolonged PROM to prevent infection + Neonatal resuscitation + Corticosteroids in preterm labor + KMC (Kangaroo mother care) for premature/very small babies + Injectable antibiotics for neonatal sepsis)/5

Administration of oxytocin for the prevention of post-partum hemorrhage (q4510-2)

- Yes

Monitoring and management of labor using partograph (q 4510_3)

- Yes

Immediate and exclusive breastfeeding (q 4511_5)

- Yes
- 16. Hygienic cord care (q 4511_1)
- Yes

Thermal protection (drying baby immediately after birth and wrapping) (4511_2)

- Yes

Annex Table 24: Availability of tracer items for basic obstetric and newborn care at facilities offering the service by county, facility type, managing authority, and urban vs. rural location (N=1683), Kenya 2018

Figure 52. Proportion (%) of facilities that have tracer items for basic obstetric and newborn care among facilities that provide delivery services (N=1683), Kenya 2018

All tracer items/equipment (gloves, delivery bed, delivery pack, blood pressure apparatus, partograph, soap and running water/alcohol based hand rub, infant weighing scale, suction apparatus, sterilization equipment, examination light, vacuum aspirator or D&C kit, neonatal bag and mask, manual vacuum extractor and emergency transport) are observed and available.

Antibiotic eye ointment for newborn

Please tell me if any of the following drugs are available in the delivery service area. If the drug is available, I would like to see it.

Antibiotic eye ointment for newborn (q4571_01)

- Observed, at least one not expired

Maternal/neonatal; Eye cream for newborn or for trachoma (tetracycline) (q6535a_1)

- Observed, at least one not expired

Injectable antibiotic

Anti-infective and anti-parasitic; Ampicillin powder for injection (q6505_05)

- Observed, at least one not expired

Anti-infective and anti-parasitic; Gentamicin injection (q6505_19)

- Observed, at least one not expired

Skin disinfectant

Maternal/neonatal; 4% chlorhexidine solution for umbilical cord or cleaning perineum/cervix or skin disinfectant (q6535a_7)

- Observed, at least one not expired

Please tell me if any of the following drugs are available in the delivery service area. If the drug is available, I would like to see it.

Skin disinfectant (q4571a_09)

- Observed, at least one not expired

Intravenous solution with infusion set [Normal saline or Ringers Lactate, and Dextrose 5%]

Please tell me if any of the following drugs are available in the delivery service area. If the drug is available, I would like to see it.

Intravenous infusion set (q4571a_05)

- Observed, at least one not expired

Dextrose and water 5% (D5W) intravenous solution (q4571a_06)

- Observed, at least one not expired

Sodium Chloride (.09NS) intravenous solution (q4571a_07)

- Observed, at least one not expired

Other plasma expander such as Ringers Lactate (RL) (q4571a_08)

- Observed, at least one not expired

Consumable supplies for services; Intravenous infusion set (q6500a_04)

- Observed, at least one not expired

Intravenous fluids; Dextrose 5% and water (D5W) (q6541a_4)

- Observed, at least one not expired

Intravenous fluids; 0.09% Sodium chloride (normal saline) (0.09NS)(q6541a_1)

- Observed, at least one not expired

Intravenous fluids; Sodium lactate (Ringers) (RL) (q6541a_3)

- Observed, at least one not expired

Delivery staff and training domain score

gen DO13 =

Delivery equipment domain score

(Emergency transportation + Sterilization equipment + examination light + delivery pack + suction apparatus + manual vacuum extractor + vacuum aspirator or D&C kit (with speculum) + neonatal bag and mask + delivery

bed + partograph + gloves in delivery service area + infant weighing scale in service site + apparatus in service site + soap & water or alcohol based hand rub in service site.)/14

Delivery medicines and commodities domain score

(Antibiotic eye ointment for newborn + injectable uterotonic + injectable antibiotic + magnesium sulphate + skin disinfectant + intravenous solution with infusion set(normal saline or Ringers lactate & dextrose 5%))/6

Delivery readiness index

(Emergency transportation + Sterilization equipment + examination light + delivery pack + suction apparatus + manual vacuum extractor + vacuum aspirator or D&C kit (with speculum) + neonatal bag and mask + delivery bed + partograph + gloves in delivery service area + infant weighing scale in service site + apparatus in service site + soap & water or alcohol based hand rub in service site + Antibiotic eye ointment for newborn + injectable uterotonic + injectable antibiotic + magnesium sulphate + skin disinfectant + intravenous solution with infusion set(normal saline or Ringers lactate & dextrose 5%))/20

All items present

gen IN8_ALL=0

replace IN8_ALL=1 if IN8==1

Annex Table 25: Percentage of hospitals with delivery services offering caesarean section, blood transfusion and CEmOC services, by county, facility type, managing authority, and urban vs. rural location (N=397), Kenya 2018

Figure 55. Proportion (%) of hospitals with delivery services offering comprehensive obstetric care services by facility type (N=397), Kenya 2018

Caesarean section (q 4515_8)

- Yes

Blood transfusion (q 4515_9)

- Yes

Comprehensive Emergency Obstetric Care (CEmOC)

- Yes

Annex Table 26: Readiness to provide CEmOC by county, facility type, managing authority and urban vs. rural location (N=213), Kenya 2018

Figure 58. Proportion (%) of hospitals that have tracer items for comprehensive obstetric care services among facilities that provide Caesarean section services (N=213), Kenya 2018

Staff trained surgery & Available 24 hours

- Yes

Does the facility conduct caesarean section? (q5030)

- Yes

Does this facility have a health professional who can perform caesarean section present in the facility or on-call 24 hours a day (including weekends and on public holidays)? (q5030)

- yes, 24 hours onsite

Staff trained anesthesia & Available 24 hours

- Yes

Does the facility conduct caesarean section? (q 5030)

- Yes

Does this facility have a health professional who can perform caesarean section present in the facility or on-call 24 hours a day (including weekends and on public holidays)? (q 5031)

- yes, 24 hours onsite

Resuscitation table

Spinal needle

Now I would like to see some basic surgical equipment. For each item I ask about, please tell me if it is available, and show me the item. Where relevant, also please tell me if the item is functioning today (q5113)

Spinal needle (q 5113a_18)

- Available and observed

Spinal needle (q 5113b_18)

- Functioning

Blood typing [ABO blood group test, Rhesus blood group test, and centrifuge

Now I would like to know if the following tests are available either onsite at any location in this facility or if specimens are sent offsite for the test to be conducted. If the test in conducted onsite, I will ask you about the availability and functionality of the associated equipment and supplies.

ABO blood grouping (q 6330a_2)

- Yes onsite

Rhesus blood grouping testing (q 6330a_3)

- Yes onsite

ABO and RH grouping sera (q 6330b_6)

- Available and observed, functional/valid

I would like to know if the following equipment items are available and, if relevant, functional today in this facility

Centrifuge for plasma and urine separation (q 6282_4)

- Functional

Cross match testing

Now I would like to know if the following tests are available either onsite at any location in this facility or if specimens are sent offsite for the test to be conducted. If the test in conducted onsite, I will ask you about the availability and functionality of the associated equipment and supplies.

Cross-match testing by direct agglutination (q 6330a_4)

- Yes onsite

Cross-match testing by indirect anti-globulin testing or other test with equivalent sensitivity (q 6330a_5)

- Yes onsite

ABO and RH grouping sera (q 6330b_6)

- Yes, Gap in availability in the past three months

I would like to know if the following equipment items are available and, if relevant, functional today in this facility

Centrifuge for plasma and urine separation (q 6282a_4)

- Funtional

Incubator (37 degrees C)(q 6282a_5)

- Functional

Blood supply sufficiency

Have there been any interruptions in availability of blood for transfusion during the past 3 months? (q 6003)

- Yes

Blood supply safety

Does this facility obtain blood for transfusion from a national or regional blood centre or blood bank? (q 6004)

- Yes

Does this facility obtain any blood from sources other than the national or regional blood center? (q 6005)

- Yes

Does this facility screen blood for infectious diseases prior to transfusion?(q 6008)

- Yes

Please tell me if the blood that is transfused in the facility is “always”, “sometimes”, “rarely”, or “never” screened for any of the following infectious diseases.(q 6009)

HIV(q 6009a_1)-

- Always

Syphilis(q 6009a_2)

- Always

C. Hepatitis B (q 6009a_3)

- Always

D. Hepatitis C (q 6009a_4)

- Always

Lidocaine 5%

I would like to know if the following medicines are available today in this facility. I would also like to observe the medicines that are available. If any of the medicines I mention is stored in another location in the facility, please tell me where in the facility it is stored so I can go there to verify. I will also be asking about stock outs for some specific medicines

Lidocaine 5% heavy spinal injection (q 6540a_7)

- Available and observed : At least one not expired

Epinephrine injectable

I would like to know if the following medicines are available today in this facility. I would also like to observe the medicines that are available. If any of the medicines I mention is stored in another location in the facility, please tell me where in the facility it is stored so I can go there to verify. I will also be asking about stock outs for some specific medicines

Adrenaline or epinephrine injection (q 6525a_2)

- Available and observed : At least one not expired

Halothane inhalation

I would like to know if the following medicines are available today in this facility. I would also like to observe the medicines that are available. If any of the medicines I mention is stored in another location in the facility, please tell me where in the facility it is stored so I can go there to verify. I will also be asking about stock outs for some specific medicines

Halothane (liquid inhalant) (q 6540a_3)

- Available and observed : At least one not expired

Atropine injectable

I would like to know if the following medicines are available today in this facility. I would also like to observe the medicines that are available. If any of the medicines I mention is stored in another location in the facility, please tell me where in the facility it is stored so I can go there to verify. I will also be asking about stock outs for some specific medicines

Atropine injection (q 6525a_3)

- Available and observed : At least one not expired

Annex Table 27: Percentage of facilities that have essential medicines for mothers observed in stock and valid by county, facility type, managing authority and urban vs. rural location (N=2927), Kenya 2018

Figure 61: Proportion (%) of facilities that have essential medicines for mothers observed in stock and valid (N=2927), Kenya 2018

Sodium chloride injectable

Intravenous fluids; 0.09% Sodium chloride (normal saline) (0.09NS) (q6541a_1)

- Observed, at least one not expired

Please tell me if any of the following drugs are available in the delivery service area. If the drug is available, I would like to see it.

Sodium Chloride (.09NS) intravenous solution (q4571a_07)

- Observed, at least one not expired

Calcium gluconate injectable

Other/general medicines; Calcium gluconate injection (q6525_06)

- Observed, at least one not expired

Emergency drugs; Calcium gluconate injection (q4927a_4)

- Observed, at least one not expired

Metronidazole injectable

Anti infective and anti parasitic; Metronidazole injection (q6505a_22)

- Observed, at least one not expired

Misoprostol cap/tab

Maternal/neonatal; Misoprostol tablet 200mcg (q6535a_4)

- Observed, at least one not expired

Azithromycin cap/tab or oral liquid

Anti-infective and anti-parasitic; Azithromycin tablet or suspension (q6505a_07)

- Observed, at least one not expired

Cefixime cap/tab

Anti-infective and anti-parasitic; Cefixime cap/tab (q6505a_09)

- Observed, at least one not expired

Benzathine benzyl penicillin powder for injection

Anti-infective and anti-parasitic; Benzathine benzylpenicillin powder for injection (long-acting) (q6505a_08)

- Observed, at least one not expired

Betamethasone or dexamethasone injectable

Other/general medicines; Betamethasone injection (q6525a_04)

- Observed, at least one not expired

Please tell me if any of the following drugs are available in the delivery service area. If the drug is available, I would like to see it.

Betamethasone injection (q4571a_03)

- Observed, at least one not expired

Other/general medicines; Dexamethasone injection (q6525a_11)

- Observed, at least one not expired

Please tell me if any of the following drugs are available in the delivery service area. If the drug is available, I would like to see it.

Dexamethasone injection (q4571a_04)

- Observed, at least one not expired

Nifedipine cap/tab

Maternal/neonatal; Nifedipine 10/20mg slow release (q6535a_5)

- Observed, at least one not expired

Hydralazine injection

Other/general medicines; Hydralazine injection (q6525a_20)

- Observed, at least one not expired

Methyldopa tablet

Other/general medicines; Methyldopa tablet (q6525a_27)

Priority medicines for mothers score

(Sodium chloride injectable + Calcium gluconate injectable + Metronidazole injectable + Misoprostol cap/tab + Azithromycin cap/tab or oral liquid + Cefixime cap/tab + Benzathine benzylpenicillin powder for injection + Betamethasone or dexamethasone injectable + Nifedipine cap/tab + Hydralazine injection + Methyldopa tablet)/15

(items are 12 not 15)

Annex Table 28: Percentage of facilities that offer post-abortion care services by county, facility type, managing authority and urban vs. rural location (N=2927), Kenya 2018

Figure 62. Proportion (%) of facilities that offer post-abortion care services (N=2927), Kenya 2018

Does this facility offer post-abortion care (PAC)? (q4450)

- Yes, both out and inpatient

Is counselling a routine component of PAC? (q k4453)

- Yes

IF YES, ASK FOR EACH OF THE FOLLOWING COUNSELLING TOPICS

Which of the following counselling topics are routine components of PAC services? (q k4454)

Issues related to events leading to need for PAC (q k4454 - 01)

- Routine

Prevention of unwanted pregnancy (q k4454 - 02)

- Routine

Risks that might be associated with future pregnancies (q k4454 - 03)

- Routine

Annex Table 29: Percentage of facilities that have tracer items for post-abortion care services among facilities that provide this service by county, facility type, managing authority and urban vs. rural location (N=964), Kenya 2018

Figure 64: Proportion (%) of facilities that have tracer items for post-abortion care services among facilities that provide this service (N=964), Kenya 2018

Now I would like to ask about equipment for delivery services. For each item that I ask about, please show me the item and when relevant, tell me if it is functioning or not.

To count as present item must be in the delivery service area or immediate proximity such that a provider could reasonably be expected to use it. (q4562)

Vacuum aspirator or D&C kit (with speculum)

Manual Vacuum aspirator (q4562a_14)

- Observed and functioning

D&C Kit (q4562a_15)

- Observed and functioning

Speculum (q4562a_16)

- Observed and functioning

Gloves in delivery service area

4. Disposable sterile latex gloves(q4562a_4)

- Observed and functioning

Injectable antibiotics for neonatal sepsis

When there is a probable newborn sepsis patient, what routine practices are taken for managing the case? (q 4676)

Immediate referral without providing any medicine? (q 4676_1)

- Yes Always

Provide one dose injectable antibiotic and then refer? (q 4676_2)

- Yes Always

Prescribe the full antibiotic regimen and follow up (q 4676_3)

- Yes Always

Annex Table 30: Percentage of facilities that offer outpatient postnatal care for mothers and newborns (N=2927) and percentage of facilities offering outpatient postnatal care with specific services (N = 2153), by county, facility type, managing authority and urban vs. rural location (Kenya 2018)

Figure 66. Proportion (%) of facilities that offer postnatal care for mothers and newborns as an outpatient service (N=2927); Of those facilities offering outpatient postnatal care, availability of specific services (N = 2153), Kenya 2018

How long do women who have uncomplicated delivery in this facility most commonly remain prior to being sent home? (q 4600)

- 2 or more full days

Are all women who deliver in this facility provided postpartum counselling prior to discharge? (q 4601)

- Provided routinely for all

Are all women who deliver in this facility provided counselling about family planning prior to discharge? (q 4602)

- Provided routinely for all

For each of the following issues, please tell me how the counselling, and/or facility practices are carried out in this facility. (q 4652)

Provision of newborn vaccines (OPV and/or BCG) (q 4652 - 01)

- Routinely, that is, always offered

Counselling on child immunization needs (q 4652 - 02)

- Routinely, that is, always offered

Counselling on child nutritional needs and good feeding practices (q 4652 - 03)

- Routinely, that is, always offered

Counselling on Danger signs in the newborn (q 4652 - 04)

- Routinely, that is, always offered

Counselling on cord care & Hygiene (q 4652 - 05)

- Routinely, that is, always offered

Provision of ITN for child* (q 4652 - 06)

- Routinely, that is, always offered

Annex Table 31: Percentage of facilities that offer inpatient postnatal care for mothers and newborns (N=2927) and percentage of facilities offering inpatient postnatal care with specific services (N = 1682), by county, facility type, managing authority and urban vs. rural location Kenya 2018

Figure 68. Proportion (%) of facilities that offer postnatal care for mothers and newborns as an inpatient service (N=2927); Of those facilities offering inpatient postnatal care, availability of specific services (N = 1682), Kenya 20188

Now I want to know about postpartum care for the woman and infant who deliver in this facility

How long do women who have uncomplicated delivery in this facility most commonly remain prior to being sent home?(q4600)

- 2 or more full days

Are all women who deliver in this facility provided postpartum counselling prior to discharge?(q4601)

- Routinely provided for all

Are all women who deliver in this facility provided counselling about family planning prior to discharge?(q4602)

- Routinely provided for all

Is it the policy of this facility to routinely encourage exclusive breast feeding? (q4650)

- Yes

Provision of newborn vaccines (OPV and/or BCG)(q4652_1)

- Routinely, that is, always offered

Counselling on child immunization needs(q4652_2)

- Routinely, that is, always offered

Counselling on child nutritional needs and good feeding practices(q4652_3)

- Routinely, that is, always offered

Counselling on Danger signs in the newborn(q4652_4)

- Routinely, that is, always offered

Counselling on cord care & Hygiene (q4652_5)

- Routinely, that is, always offered

Provision of ITN for child*(q4652_6)

- Routinely, that is, always offered

Annex Table 32: Percentage of facilities that have tracer items for postnatal care for mothers and newborns among facilities that provide both maternal and newborn postnatal care by county, facility type, managing authority and urban vs. rural location (N=2105), Kenya 2018

Figure 70: Proportion (%) of facilities that have tracer items for postnatal care for mothers and newborns among facilities that provide both maternal and newborn postnatal care (N=2105), Kenya 2018.

ASK WHERE POSTPARTUM WOMEN AND THEIR NEWBORNS WHO ARRIVE FROM OUTSIDE THE FACILITY RECEIVE SERVICES, EITHER FOR PROBLEMS OR FOR NORMAL POSTPARTUM CARE IN THE OUTPATIENT SERVICE AREA AND GO THERE TO ASK THE FOLLOWING QUESTIONS.

Is there an area for postpartum examination that provides auditory and visual privacy?(q4351)

- Both auditory and visual privacy

Please tell me if the following basic equipment and supplies used in the provision of client services are available anywhere in the outpatient service area and are functional.

Thermometer (q2250_3)

- Available and functional

Infant weighing scale – 100 gram gradation(q2250_7)

- Available and functional

Does this facility provide any of the following immunization services in the facility only, as outreach at fixed post only, or both.

BCG Vaccine(q4152_2)

- yes

Infant vaccines (q4152_6)

- Yes

% chlorhexidine solution (for umbilical cord or cleaning perineum/cervix or skin disinfectant)q6500_16)

- Available, at least one not expired.

Provision of ITN for child*(q4652_6)

- Routinely, that is, always offered

Parenteral administration of antibiotics (IV or IM) for mothers?(q4515_1)

- Yes

Annex Table 33: Percentage of facilities that offer care for low birth weight and sick newborns services among facilities that provide delivery services by county, facility type, managing authority and urban vs. rural location (N=1682), Kenya 2018

Figure 72. Proportion (%) of facilities that offer care for low birth weight and sick newborns among facilities that provide delivery services (N=1682), Kenya 2018

Does this facility provide any outpatient services for the low-birth-weight/sick newborn?(q4400)

- Yes, provides treatment

Are newborns with symptoms of sepsis ever provided services or referral in the outpatient service area?(q4410)

- Yes

Is kangaroo mother care (KMC) ever provided for premature or underweight newborns who come to the outpatient service area after delivery?(q4401)

- Yes

When there is a probable case of neonatal sepsis, what routine practices are taken for managing the case? (q4411)

a) Provide one dose injectable antibiotic and then refer outside the facility?(q4411_4)

- Yes, sometimes

b) Provide one dose injectable antibiotic and then refer within the facility?(q4411_3)

- Yes, sometimes

c) Prescribe the full antibiotic regimen and follow up?(q4411_5)

- Yes always

d) Immediate referral to unit within the facility without providing any medicine?(q4411_1)

- Yes sometimes

e) Immediate referral to unit outside the facility without providing any medicine?(q4411_2)

- Yes sometimes

Does this facility routinely provide alternative feeding for newborns who cannot breastfeed?(q4670)

- Yes

In addition to the above special services for low-birth-weight/sick newborns, please tell me if any of the following services are routinely available for low-birth-weight/sick newborns when needed (q4690)

a) Oxygen (q4690_1)

- Routinely available and functional

b) Exchange transfusion blood service (q4690_2)

- Routinely available and functional

c) Intravenous rehydration (q4690_3)

- Routinely available and functional

d) Incubator (q4690_4)

- Routinely available and functional

e) Radiant warmer (q4690_5)

- Routinely available and functional

f) Artificial ventilation (q4690_6)

- Routinely available and functional

Annex Table 34: Percentage of facilities that have tracer items for care for low birth weight and sick newborns services among facilities that provide KMC by county, facility type, managing authority and urban vs. rural location (N=832), Kenya 2018

Figure 73: Proportion (%) of facilities that have tracer items for care for low birth weight and sick newborns among facilities that provide KMC (N=832), Kenya 2018

Is there a bed or location where the caregiver providing KMC stays overnight while providing KMC?(q4661)

- Yes observed

Is there a register where it is recorded when KMC is provided [REFERENCE THE KENYA TOOL]?(q4403)

- Yes observed

Mean availability of tracer items

(Bed for caregiver providing KMC+ Register to record KMC)/2

Annex Table 35: Percentage of facilities that offer child immunization services by county, facility type, managing authority and urban vs. rural location (N=2927), Kenya 2018

Figure 75. Proportion (%) of facilities that offer child immunization services (N=2927), Kenya 2018

Does this facility offer any child immunization services? (q4150)

- Yes

Infant vaccines

Does this facility provide any of the following immunization services in the facility only, as outreach at fixed post only, or both? (q4152)

Infant vaccines (under 1 year): BCG (q4152_4)

- Both in the facility and as outreach/
- In the facility only
- Outreach only

Infant vaccines: Oral Polio (q4152_5)

- Both in the facility and as outreach/
- In the facility only
- Outreach only

Infant vaccines: Pentavalent (DTP, DTP-Hib-HepB) (q4152_6)

- Both in the facility and as outreach/
- In the facility only
- Outreach only

Infant vaccines: Rotavirus (q4152_7)

- Both in the facility and as outreach/
- In the facility only
- Outreach only

Infant vaccines IPV (Inactivated polio vaccine) (q4152_8)

- Both in the facility and as outreach/
- In the facility only
- Outreach only

Vaccine containing measles (e.g., measles-rubella /MMR) (q4152_9)

- Both in the facility and as outreach/
- In the facility only
- Outreach only

Birth doses

Does this facility provide any of the following immunization services in the facility only, as outreach at fixed post only, or both? (q4152)

Birth doses (hepB0)

- Both in the facility and as outreach

- In the facility only
- Outreach only

Birth doses (BCG)

- Both in the facility and as outreach
- In the facility only
- Outreach only

Birth doses (OPV0)

- Both in the facility and as outreach/
- In the facility only
- Outreach only

Adolescent/adult vaccines

Does this facility provide any of the following immunization services in the facility only, as outreach at fixed post only, or both? (q4152)

Birth doses (hepB0)

- Both in the facility and as outreach
- In the facility only
- Outreach only

Birth doses (BCG)

- Both in the facility and as outreach
- In the facility only
- Outreach only

Birth doses (OPV0)

- Both in the facility and as outreach/
- In the facility only
- Outreach only

Facility offers routine full child immunization as outreach daily

How often does this facility offer all child immunization services as outreach?

(q504)

- Daily
- Weekly
- Monthly
- Quarterly
- Never
- Other (specify

How often does this facility offer all child immunization services at the facility? (Q 503)

- 5 days a week (mon-fri)
- Daily (7 days a week)
- Weekly
- Monthly
- Quarterly
- Never
- Other (specify)

Annex Table 36: Percentage of facilities that have tracer items for child immunization services among facilities that provide this service by county, facility type, managing authority and urban vs. rural location (N=2192), Kenya 2018

Figure 77: Proportion (%) of facilities that have tracer items for child immunization services among facilities that provide this service (N=2192), Kenya 2018

Cold box/vaccine carrier with ice packs

I would like to know if the following items for infant or child immunization are available in this service area today. For each item, please tell me if it is available today, and then I would like to see it.

Cold box with set of ice packs for vaccine carriers (Note: 4-5 ice packs make one set) (q4153_4)

- Yes observed

Vaccine carrier with set of ice packs for vaccine carriers (Note: 4-5 ice packs make one set) (q4153_5)

- Yes observed

Refrigerator

Does this facility have a refrigerator available and functioning for the storage of infant/child vaccines?(q9601)

- Available and functional

Sharps container child immunization service area

I would like to know if the following items for infant or child immunization are available in this service area today. For each item, please tell me if it is available today, and then I would like to see it.

Sharps container/safety box (q4153a_3)

- Yes observed

Auto-destruct syringes child immunization service area

I would like to know if the following items for infant or child immunization are available in this service area today. For each item, please tell me if it is available today, and then I would like to see it.

Auto-disable syringes and needles (q4153a_2)

- Yes observed

Continuous temperature monitoring device in refrigerator

Which of the following devices for monitoring refrigerator temperature are available and functioning in the refrigerator today

Thermometer (q9602a_1) - Available

- Yes

Which of the following devices for monitoring refrigerator temperature are available and functioning in the refrigerator today

Thermometer (q9602b_1) - Functioning

- Yes

Which of the following devices for monitoring refrigerator temperature are available and functioning in the refrigerator today

Continuous temperature recorder/logger (q9602a_2) - Available

- Yes

Which of the following devices for monitoring refrigerator temperature are available and functioning in the refrigerator today

Continuous temperature recorder/logger (q9602b_2) - Functioning

- Yes

Adequate refrigerator temperature

Is the temperature of the refrigerator monitored at least once every 24 hours? (q9603)

- yes, log observed
- yes, continuous monitoring

Has the temperature been out of the range 2 to 8 oC inclusive in the last 30 days? (q9605)

- Never out of range

Immunization cards

I would like to know if the following items for infant or child immunization are available in this service area today. For each item, please tell me if it is available today, and then I would like to see it.

Immunization cards (or child health booklet) (q4153a_6)

- Yes, observed

Immunization tally sheets

I would like to know if the following items for infant or child immunization are available in this service area today. For each item, please tell me if it is available today, and then I would like to see it.

Official immunization tally sheets or integrated tally sheet (q4153a_7)

- Yes observed

Measles vaccine

Vaccine; Measles vaccine and diluent (q4166a_01)

- Observed, at least one not expired

Vaccine; Measles, Rubella vaccine (q4166a_02)

- Observed, at least one not expired

Vaccine; Measles, Mumps, Rubella (MMR) vaccine (q4166a_03)

- Observed, at least one not expired

DPT-Hib-HepB vaccine

Vaccine; DPT+Hib+HepB (pentavalent) (q4166a_04)

- Observed, at least one not expired

Oral polio vaccine

Vaccine; Oral polio vaccine (q4166a_05)

- Observed, at least one not expired

BCG vaccine

Vaccine; BCG vaccine and diluent (q4166a_06)

- Observed, at least one not expired

Pneumococcal vaccine

Vaccine; Pneumococcal conjugate vaccine (q4166a_08)

- Observed, at least one not expired

Rotavirus vaccine

Vaccine; Rotavirus vaccine (q4166a_07)

- Observed, at least one not expired

IPV (Inactivated Poliovirus Vaccine)

Vaccine; IPV (Inactivated polio vaccine) (q4166a_09)

- Observed, at least one not expired

HPV (Human Papillomavirus) vaccine

Vaccine; HPV (Human papillomavirus vaccine) (q4166_10)

- Observed, at least one not expired

Child immunization staff and training domain score

gen DO16 = .

Child immunization equipment domain score

(cold box/vaccine carrier with ice packs + Refrigerator + Sharps container child immunization service area + Auto-destruct syringes child immunization service area + Continuous temperature monitoring device in refrigerator + Adequate refrigerator temperature + Immunization cards + Immunization tally sheets)/8

Child immunization medicines and commodities domain score

(Measles vaccine + DPT-HiB-HepB vaccine + Oral polio vaccine + BCG vaccine + Pneumococcal vaccine + Rotavirus vaccine + IPV (inactive Poliovirus Vaccine) + HPV (Human papillomavirus) vaccine)/8

Child immunization readiness index

(cold box/vaccine carrier with ice packs + Refrigerator + Sharps container child immunization service area + Auto-destruct syringes child immunization service area + Continuous temperature monitoring device in refrigerator + Adequate refrigerator temperature + Immunization cards + Immunization tally sheets + Measles vaccine + DPT-HiB-HepB vaccine + Oral polio vaccine + BCG vaccine + Pneumococcal vaccine + Rotavirus vaccine + IPV (inactive Poliovirus Vaccine) + HPV (Human papillomavirus) vaccine)/16

All items present

gen IN9_ALL = 0

replace IN9_ALL=1 if IN9==1

Annex Table 37: Percentage of facilities offering key child preventive and curative care services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 79. Proportion (%) of facilities offering key child preventive and curative care services (n=2927), Kenya 2018

Please tell me if this facility provides the following services for children less than 5, and for each service, IF YES, ASK: When a child is eligible is the service always provided, provided sometimes, but not always, or is the service not provided

Child preventative and curative care services

Does this facility offer preventive and/or curative care services for children under 5?(q 2300)

- Yes

Malnutrition diagnosis and treatment

Diagnosis and/or treatment of child malnutrition (under or over nutrition)(q2302a_1)

- Yes always

Vitamin A supplementation

Routine vitamin A supplementation?(q 2303)

- Yes always

Iron supplementation

Prescribe iron for child anaemia(q 2306a_1)

- Yes always

ORS and zinc supplementation

Routinely prescribe oral rehydration salts for child diarrhea(q 2309a_2)

- Yes always

Routinely prescribe zinc tablets (q 2309_3)

- Yes always

Growth monitoring

Routine child growth monitoring (q2307a_1)

- Yes always

Treatment of pneumonia

Diagnose and treat pneumonia in children (q 2307a_1)

- Yes always

Administration of amoxicillin for the treatment of pneumonia in children

Prescribe amoxicillin for the first-line treatment for pneumonia in children (q 2307a_2)

- Yes always

Treatment of malaria in children

Diagnose and treat malaria in children

- Yes always

Annex Table 38: Percentage of facilities that have tracer items for curative and preventive child health services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2659), Kenya 2018

Figure 81: Proportion (%) of facilities that have tracer items for child preventative and curative care services among facilities that provide this service (N=2659), Kenya 2018

Please tell me if the following basic equipment and supplies used in the provision of client services are available anywhere in the outpatient service area and are functional.(q2250)

Stethoscope .(q2250_4)

- Observed and functioning.

Thermometer.(q2250_3)

- Observed and functioning.

Length/height measuring equipment/Height board/stadiometer(q2250_8)

- Observed and functioning.

Child and infant scale(q2250)

Child weighing scale- 250 gram gradation(q2250_6)

- Observed and functioning.

Infant weighing scale – 100 gram gradation(q2250_7)

- Observed and functioning.

Malaria diagnostic capacity (q 6271)

Malaria rapid diagnostic test (q 6271_1)

- Available and observed.

Does this facility have malaria rapid diagnostic test kits (with valid expiration date) in stock in this service site today? (q 2356)

- yes, observed

I would like to know if the following equipment items are available and, if relevant, functional today in this facility (q6282)

- Available and functional (q6282_1)

Now I would like to know if the following tests are available either onsite at any location in this facility or if specimens are sent offsite for the test to be conducted. If the test in conducted onsite, I will ask you about the availability and functionality of the associated equipment and supplies.

Malaria smears (q6309 _1)

- Test is usually available and functionality is observed.

assess if the following items are in reasonable proximity to that site such that providers there could reasonably expect to use the items. i would like to ask about different items for infection prevention and control for laboratory services and to observe which items are available.

Hand held test for anemia

Colorimeter or haemoglobinometer (q6279_1)

- Observed, functional/valid

Haematology analyser

- Observed, functional/valid

Other tests for full blood count with differential

- Observed, functional/valid

Stains for full blood count and differential

- Observed, functional/valid

Pack cell volume (Centrifuge and pipettes for haematocrit)

- Observed, functional/valid

I would like to know if the following medicines are available today in this facility. I would also like to observe the medicines that are available. If any of the medicines I mention is stored in another location in the facility, please tell me where in the facility it is stored so I can go there to verify. I will also be asking about stockouts for some specific medicines.

Paracetamol syrup/suspension (q6525_35)

- Available and observed.

Me-/albendazole cap/tab (q6525_)

- Available and observed. (6505_1)

Vitamin A capsules (q6525_48)

- Available and observed.

Co-trimoxazole suspension (q6505_14)

- Available and observed.

Annex Table 39: Percentage of facilities that have essential medicines for children observed in stock and valid by county, facility type, managing authority and urban vs. rural location (N=2927), Kenya 2018

Figure 83: Proportion (%) of facilities that have essential medicines for children observed in stock and valid (N=2927), Kenya 2018

Gentamicin injectable

Is medicine available? Gentamicin injection (q9002b_13)

- Yes

Procaine benzylpenicillin powder for injection

Anti i nfective and anti parasitic; Procaine benzylpenicillin injection (q6505a_25)

- Observed, at least one not expired

Artemisinin combination therapy

Are any of the following malaria medicines available in the facility today?

Artemether Lumefantrine (LA): 6 tablet/pack (q6555a_1)

- Observed, at least one not expired

Artemether Lumefantrine (LA): 12 tablet/pack(q6555a_2)

- Observed, at least one not expired

Artemether Lumefantrine (LA): 18 tablet/pack (q6555a_3)

- Observed, at least one not expired

Artemether Lumefantrine (LA): 24 tablet/pack (q6555a_4)

- Observed, at least one not expired

Artesunate rectal or injectable forms

Other antimalarials; Artesunate Injection (q6563a_4)

- Observed, at least one not expired

Other antimalarials; Artesunate suppositories/rectal (q6563a_5)

- Observed, at least one not expired

Morphine granule, injectable, or cap/tab

Other/general medicines; Morphine injection (q6525a_29)

- Observed, at least one not expired

Other/general medicines; Morphine tablet or morphine solution (q6525a_30)

- Observed, at least one not expired

Amoxicillin syrup/suspension or dispersible tablet

Anti infective and anti parasitic; Amoxicillin suspension/or dispersible tablet (125 or 250 mg) (q6505a_04)

- Observed, at least one not expired

Ampicillin powder for injection

Anti infective and anti parasitic; Ampicillin powder for injection (q6505a_05)

- Observed, at least one not expired

Ceftriaxone injection

Anti infective and anti parasitic; Ceftriaxone injection (q6505a_10)

- Observed, at least one not expired

Oral rehydration salts (ORS)

Other/general medicines; Oral Rehydration Salts (q6525a_32)

- Observed, at least one not expired

Zinc sulphate tablet or syrup

Other/general medicines; Zinc sulphate tablet (q6525a_50)

- Observed, at least one not expired

Other/general medicines; Zinc sulphate syrup or dispersible tablets (q6525a_51)

- Observed, at least one not expired

Vitamin A capsules

Other/general medicines; Vitamin A (retinol) capsules (q6525a_48)

- Observed, at least one not expired

Paracetamol syrup/suspension

Other/general medicines; Paracetamol syrup/suspension (q6525a_25)

- Observed, at least one not expired

Priority medicines for children domain score

(Gentamicin injectable + Procaine benzylpenicillin powder for injection + Artemisinin combination therapy + Artesunate rectal or injectable forms + Morphine granule, injectable, or cap/tab + Amoxicillin syrup/suspension or dispersible tablet + Ampicillin powder for injection + Ceftriaxone injection + Oral rehydration salts (ORS) + Zinc sulphate tablet or syrup + Vitamin A capsules + Paracetamol syrup/suspension)/12

Annex Table 40: Percentage of facilities that offer adolescent health services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 84. Proportion (%) of facilities that offer adolescent health services (N=2927), Kenya 2018

Adolescent health services

Does this facility offer any reproductive health or HIV services that focus on the adolescent?(q 4200)

- Yes

HIV testing and counselling for adolescents

Does this facility provide HIV testing services for older children 5-9 years of age?(q4011)

- Yes

Does this facility provide hiv testing services for minor adolescents 10-19 years of age?

if yes, clarify if guardian consent is required or not(q4011)

- yes, no guardian consent required

Family planning for adolescents

Does this facility provide any family planning services for unmarried minor adolescents?

IF YES, CLARIFY IF THE SERVICES REQUIRE GUARDIAN PERMISSION OR NOT(q4227)

- Yes, Guardian consent required. OR Yes ,No guardian consent required

Does this facility provide or prescribe any of the following modern methods of family planning for unmarried adolescents:

Combined estrogen progesterone oral contraceptive pills(q4228a_1)- Yes

Male condoms for adolescents (q4228a_2) - Yes

Emergency contraceptive pills for adolescents (q4228a_3)- Yes

IUCD for adolescents(Q4228a_4) - Yes

ART for adolescents

Does this facility provide any ART prescription or clinical follow-up services for HIV infected adolescents?(q4045)

IF YES, CLARIFY WHICH SERVICES ARE OFFERED

- YES, ART PRESCRIPTION AND CLINICAL FOLLOW-UP
- YES, ART PRESCRIPTION,NO CLINICAL FOLLOW-UP

Annex Table 41: Percentage of facilities that have tracer items for adolescent health services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=1931), Kenya 2018

Figure 86: Proportion (%) of facilities that have tracer items for adolescent health services among facilities that provide this service (N=1931), Kenya 2018

HIV rapid test (q6274a_01)

- Observed available, at least one not expired

Does this facility have HIV rapid test kits (with valid expiry date) in stock in this service site today? (q4022)

- Yes observed

Any EIA/ELISA testing (q6303a_1)

- Yes onsite

Any EIA/ELISA washer (q6303b_2)

- Yes reported, not seen functional/valid

EIA/ELISA reader (q6303b_3)

- Yes reported, not seen functional/valid

Assay kit- HIV antibody testing by EIA/ELISA (q6303b_4)

- Yes reported, not seen/valid

I would like to know if the following equipment items are available and, if relevant, functional today in this facility.

Incubator (37 degrees C) (q6282a_5)

- Observed available, functional

Please tell me if this facility provides the following services for HIV/AIDS clients

Provide condoms for preventing further transmission of HIV? (q4072a_09)

- Yes

Figure 85. Availability of communicable disease services (N = 2927), Kenya 2018

Malaria services

Does this facility offer diagnosis and/or treatment of malaria? (q2350)

- Yes

HIV counselling and testing

Does this facility offer HIV testing services? (q4010)

- Yes

STI services

Does this facility offer diagnosis and/or treatment of STIs other than HIV? (q2550)

- Yes

PMTCT services

Does this facility offer HIV testing or other services to ANC clients for the elimination/prevention of mother-to-child transmission of HIV (E/PMTCT)? (q4300)

- Yes

Care for paediatric HIV patients

For which of the following subgroups does this facility offer HIV & AIDS care and support services?

Children 0-9 (q4071a_4)

- Yes

Tuberculosis services

Does this facility provide any services for tuberculosis? This includes case detection, diagnosis, prescribing treatment, patient clinical follow up, patient follow-up for adherence, and/or periodic resupply of individual patient drugs (q2820)

- Yes

Drug resistant tuberculosis

Any services related to case detection, testing, or treatment for drug resistant TB? (q 2910 - 01)

- Yes

HIV/AIDS care and support services

Does this facility offer HIV & AIDS care and support services, including treatment of opportunistic infections and provisions of palliative care? (q4070)

- Yes

ARV prescription or ARV treatment follow-up services

Does this facility prescribe life-long ART or provide follow up services for life-long ART clients? (q4040)

- Yes

Neglected tropical diseases.

Does this facility offer diagnosis and treatment for any other tropical diseases commonly called "neglected tropical diseases" such as lymphedema, soil transmitted helminths, schistosomiasis, trachoma, onchocerciasis (ONCO), Lymphatic filariasis (LF), visceral leishmaniasis, or dengue and guinea worm (Ginger), which are priority diseases in Kenya? (q 2400)

- Yes

Annex Table 42: Percentage of facilities that offer malaria services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 90. Proportion (%) of facilities that offer malaria services (N=2927), Kenya 2018

Malaria services

Does this facility offer diagnosis and/or treatment of malaria?(q2350)

- Yes

Malaria diagnosis

Do providers in this facility diagnose malaria?(q2354)

- Yes

Malaria treatment

Do providers in this facility prescribe treatment for malaria?(q2360)

- Yes

IPT

Do ANC providers provide any of the following services to pregnant women as part of routine ANC services? (4251a -3)

- Yes

Annex Table 43: Percentage of facilities that have tracer items for malaria services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2703), Kenya 2018

Figure 92. Proportion (%) of facilities that have tracer items for malaria services among facilities that provide this service (N=2703), Kenya 2018

Do providers in this facility diagnose malaria? (q 2354)

- Yes

Do ANC providers provide any of the following services to pregnant women as part of routine ANC services? (q 4251)

Intermittent preventive treatment in pregnancy (IPT) for malaria (q 4251 - 03)

- Yes

OTHER/GENERAL MEDICINES (q 6525)

Acetaminophen (Paracetamol) tab/cap (q 6525 - 34)

- Yes

Are any of the following malaria medicines available in the facility today? CHECK TO SEE IF AT LEAST ONE IS VALID (NOT EXPIRED) (q 6555)

Artemether Lumefantrine (LA): 6 tablet/pack (q 6555_01)

- Observed, at least one not expired

Artemether Lumefantrine (LA): 12 tablet/pack (q6555_02)

- Observed, at least one not expired

Artemether Lumefantrine (LA): 18 tablet/pack (q6555_03)

- Observed, at least one not expired

Artemether Lumefantrine (LA): 24 tablet/pack (q6555_04)

- Observed, at least one not expired

OTHER ANTIMALARIALS (q 6563)

Insecticide treated bed nets for patients and their families and households (q 6563a_8)

- Observed, at least one not expired

Insecticide treated bed nets voucher for patients and their families and households (q 6563a_9)

- Observed, at least one not expired

Now I want to know about a few items for providing ANC. For each item I ask about please tell me if it's available and functional (or not expired) and then show it to me (q4254)

ITN or vouchers for ITN (q4254a_03)

- Observed

Annex Table 44: Percentage of facilities offer tuberculosis diagnosis and treatment services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 94. Proportion (%) of facilities that offer TB diagnosis and treatment services (N=2927), Kenya 2018

Tuberculosis services

Does this facility provide any services for tuberculosis? This includes case detection, diagnosis, prescribing treatment, patient clinical follow up, patient follow-up for adherence, and/or periodic resupply of individual patient drugs .

- Yes

TB diagnosis

Does this facility make the diagnosis of TB for any types of patients? (q2850)

- Yes

TB diagnostic testing

Which of the following methods are ever used at this facility for diagnosing TB for adults?(q2853)

Sputum smear microscopy examination (q2853a_2) - Yes

Culture (q2853a_3) - Yes

Rapid test (GeneXpert MTB/RIF) (q2853_4) - Yes

Chest X-ray (q2853_5) - Yes

TB diagnosis by clinical symptoms

Diagnose TB using clinical symptoms only(q2853a_1)

- Yes

Prescription of drugs of TB patients

Do providers in this facility prescribe the drugs for TB treatment for any category of patient(q 2860)

- Yes

Provision of drugs to TB patients

Does the facility provide follow-up for enrolled TB patient by supplying drugs(q2940)

- Yes

Management and treatment follow-up for TB patients

Do providers in this facility provide clinical follow up, including prescription revision if needed and adherence assessment ?

(q2871a_01)

- Yes

Annex Table 45: Percentage of facilities that have tracer items for tuberculosis diagnosis and treatment services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=1427), Kenya 2018

Figure 97. Proportion (%) of facilities that have tracer items for TB diagnosis and treatment services among facilities that provide this service (N=1427), Kenya 2018

Guidelines TB infection control

Does this facility have any of the following documents available in this service site today? (q2930)

- Yes observed

HIV diagnostic capacity

HIV rapid test (q6274a_01)

- Observed available, at least one not expired

Does this facility have HIV rapid test kits (with valid expiry date) in stock in this service site today? (q4022)

- Yes, observed

Any EIA/ELISA testing (q6303a_1)

- Onsite

EIA/ELISA washer (q6303b_2)

- Observed, functional/valid

EIA/ELISA reader

- Observed, functional/valid

Assay kit- HIV antibody testing by EIA/ELISA

- Observed, functional/valid

I would like to know if the following equipment items are available and, if relevant, functional today in this facility.

Incubator (37 degrees C) (q6282a_5)

- Observed available, functional

System for diagnosis of HIV among TB clients

Do providers in this facility screen or test TB patients for HIV or have a system for diagnosis of HIV among TB patients? (q2885)

- Yes

TB microscopy

I would like to know if the following equipment items are available and, if relevant, functional today in this facility.

Light microscope (q6282a_1)

- Observed available, functional

Glass slides (q6282a_2)

- Observed available, functional

Cover slips for glass slides (q6282a_3

- Observed available, functional

Tuberculosis diagnostic testing; Ziehl-Neelsen stain (q6307b_4)

- Observed, functional/valid

Tuberculosis diagnostic testing; Fluorescence microscope (FM) (q6307b_3)

- Observed, functional/valid

Glass slides (q6282a_2)

- Observed available, functional

Cover slips for glass slides (q6282a_3)

- Observed available, functional

Auramine Rhodamine stain for fluorescent microscopy (q6307b_5)

- Observed, functional/valid

First line TB medications

All items were observed, available and functional.

Tuberculosis readiness index

(TB microscopy + HIV diagnostic capacity + System for diagnosis of HIV among TB clients + First line TB medications)/4

All items present

gen IN13_ALL = 0

replace IN13_ALL = 1 if IN13==1

Annex Table 46: Percentage of facilities that offer additional tuberculosis diagnosis and treatment services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 96. Proportion (%) of facilities that offer additional tuberculosis services (N=2927), Kenya 2018

Do providers in this facility provide patient follow-up services for patients enrolled in TB treatment?(q2870)

- Yes

IF YES, ASK: Which of the following services do providers in this facility provide?

Clinical follow up, including prescription revision if needed and adherence assessment(q2871_1)

- Yes

Follow-up to support adherence to treatment and patient follow-up appointments(q2871_3)

- Yes

Periodic provision of TB drugs according to prescription(q2871_2)

- Yes

Reviews bin card for adherence to drug pick-up(q2871_4)

- Yes

Psychosocial follow up(q2871_5)

- Yes

Laboratory based follow up, other than routine sputum testing, when needed (q2871_6)

- Yes

Sputum follow-up testing;

Month 0 (month treatment starts)(q2871_7)

- Yes

Month 2 of treatment(q2871_8)

- Yes

Month 5 of treatment(q2871_9)

- Yes

Month 6 of treatment(q2871_10)

- Yes

Nutrition counsel and support(q2871_11)

- Yes

Active drug safety monitoring(q2871_12)

- Yes

Assess drug adherence problems that may be associated with adverse drug reactions(q2871_13)

- Yes

Laboratory test abnormalities that may be associated with adverse drug reactions(q2871_14)

- Yes

Report adverse drug reactions(q2871_15)

- Yes

Do providers in this facility diagnose TB for minor adolescents 10-19 years of age? (q2851)

- Yes, Guardian consent required.

Do providers in this facility diagnose TB for adults?(q2852)

- Yes

Do providers in this facility diagnose TB for children?(q2854)

- Yes

Annex Table 47: Percentage of facilities that have tracer items for additional tuberculosis diagnosis and treatment services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=1427), Kenya 2018

Figure 99: Proportion (%) of facilities that have tracer items for additional TB services among facilities that provide this service (N=1427), Kenya 2018

Please tell me if any of the items I ask about available in this service site, and if so, please show them to me(q2843)

a) Sputum cup add a row for Falcon tubes(q2843_1)

- Yes Observed

b) Referral form for sputum specimen or for patient(q2843_2)

- Yes Observed

Are any of the following items available for patients? (q2833)

Waste receptacle bin with lid and plastic bin liner clearly marked, for example, by label or colour, for potentially infectious non-sharp waste(q2833_3)

- Yes

Does the waste receptacle for potentially infectious waste have a functional foot pedal to open it?(q2833_4)

- Yes

Surgical/respiratory masks(q2833_2)

- Yes

Tissue papers(q2833_1)

- Yes

Does this facility routinely put patients who have come for services and who are coughing in a separate location from other patients? (q2828)

- Yes

Where are the coughing patients moved to while they wait to see the provider? (q2829)

- Separate area

Are there any procedures in place to identify patients observed to have cough and to fast-track to diagnosis? (qk2829)

- Yes

Admission/clerical staff place coughing patients in a separate area (qk2830_01)

- Yes

Staff are instructed to identify coughing patients and ask them to move to separate areas (qk2830_02)

- Yes

Posters instruct patients to use masks if they are coughing (qk2830_03)

- Yes

Staff are instructed to move coughing patients ahead of other waiting patients (qk2830_04)

- Yes

Annex Table 48: Percentage of facilities offer drug resistant tuberculosis services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 100. Proportion (%) of facilities that offer drug resistant tuberculosis diagnosis and treatment services (N=2927), Kenya 2018

Which of the following other TB services are provided by this facility? (q2910)

Any services related to case detection, testing, or treatment for drug resistant TB? (q2910_01)

- Yes

Does this facility prescribe treatment for drug resistant TB (q2913_01)

- Yes

Follow up drug resistant TB patients for adherence (q2913_02)

- Yes

Provide the drugs for drug resistant TB patients (q2913_03)

- Yes

Facilitate social support for patients with DRTB (q2913_04)

- Yes

Perform contact tracing for patients with DRTB (q2913_05)

- Yes

I want to know about the facility practices for diagnosing TB. Does this facility make the diagnosis of TB for any types of patients? (q2850)

- Yes

Annex Table 49: Percentage of facilities that have tracer items for drug resistant tuberculosis diagnosis and treatment services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=882), Kenya 2018

Figure 102: Proportion (%) of facilities that have tracer items for drug resistant tuberculosis diagnosis and treatment services among facilities that provide this service (N=882), Kenya 2018

Have all facility staff been screened for TB within the past 6 months? IF NO, ASK: within the past 12 months?(q 2601)

- Yes , within past 12 months

At the facility level, is there a routine process for performance review based on data on facility services, outcomes, or patient feedback? (q7070)

- Yes, observed

Provide the drugs for drug resistant TB patients (q 2913)

- Yes

Mean availability of tracer items

(TB diagnostics domain score=(TB microscopy+HIV diagnostic capacity+System for diagnosis of HIV among TB clients)/3

Annex Table 50: Percentage of facilities that offer HIV/AIDS counselling and testing services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 104. Proportion (%) of facilities offering HIV counselling and testing services, by county (N=2927), Kenya 2018

Does this facility offer HIV testing services?(q4010)

- Yes

Annex Table 51: Percentage of facilities that have tracer items for HIV/AIDS counselling and testing services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2524), Kenya 2018

Figure 106. Proportion (%) of facilities that have tracer items for HIV counselling and testing services among facilities that provide this service (N=2524), Kenya 2018

Visual and auditory privacy HIV counselling and testing service area

Is the HIV counselling service site a private room/area with auditory and visual privacy?(q4023)

- Both auditory and visual privacy

HIV diagnostic capacity

HIV rapid test (q6274a_01)

- Observed available, at least one not expired

Does this facility have HIV rapid test kits (with valid expiry date) in stock in this service site today? (q4022)

- Yes observed

Any EIA/ELISA testing (q6303a_1)

- Yes, onsite

EIA/ELISA washer (q6303b_2)

- Observed, functional/valid

EIA/ELISA reader (q6303b_3)

- Observed, functional/valid

Assay kit- HIV antibody testing by EIA/ELISA (q6303b_4)

- Observed, functional/valid

I would like to know if the following equipment items are available and, if relevant, functional today in this facility.

Incubator (37 degrees C)(q6282_5)

- Observed, available/functional.

Condoms HIV counselling and testing service site

Does this facility have condoms available in this service site today to give to clients receiving services? (q4025)

- Yes, observed.

HIV counselling and testing readiness index

(Condoms HIV counselling and testing service site + HIV diagnostic capacity + Visual and auditory privacy HIV counselling and testing service area)/3

All items present

gen IN14_ALL = 0

replace IN14_ALL=1 if IN14==1

Annex Table 52: Percentage of facilities that offer HIV/AIDS care and support services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 108. Proportion (%) of facilities that offer HIV/AIDS care and support services (N=2927), Kenya 2018

Does this facility offer HIV & AIDS care and support services, including treatment of opportunistic infections and provisions of palliative care?(q4070)

- Yes

Please tell me if this facility provides the following services for HIV/AIDS clients:(q4072)

Prescribe treatment for any opportunistic infections or symptoms related to HIV/AIDS? This includes treating topical fungal infections(q4072a_1)

- Yes

Provide or prescribe palliative care for clients, such as symptom or pain management, or nursing care for the terminally ill, or severely debilitated clients?(q4072a_2)

- Yes

Provide systemic intravenous treatment of specific fungal infections such as cryptococcal meningitis?(q4072a_16)

- Yes

Provide treatment for Kaposi's sarcoma?(q4072a_17)

- Yes

Provide nutritional rehabilitation services? e.g., client education and provision of nutritional supplements?(q4072a_3)

- Yes

Prescribe or provide fortified protein supplementation (FPS)?(q4072a_4)

- Yes

Prescribe or provide preventive treatment for TB (INH + Pyridoxine)?(q4072a_12)

- Yes

Primary preventive treatment for opportunistic infections, such as cotrimoxazole preventive treatment (CPT)?(q4072a_8)

- Yes

Provide or prescribe micronutrient supplementation, such as vitamins or iron?(q4072a_7)

- Yes

Family planning counselling for HIV/AIDS clients?(q4072a_10)

- Yes

Provide condoms for preventing further transmission of HIV?(q4072a_9)

- Yes

For which of the following subgroups does this facility offer HIV & AIDS care and support services?(`q4071)

Children 0-9(q4071a_4)

- Yes

Annex Table 53: Percentage of facilities that have tracer items for HIV/AIDS care and support services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=1338), Kenya 2018

Figure 110. Proportion (%) of facilities that have tracer items for HIV care and support services among facilities that provide this service (N=1338), Kenya 2018

System for diagnosis of TB among HIV clients

Does the facility screen HIV positive clients for TB using the Intensified TB Case Finding (ICF) tool? (k4080)

- Yes

Is there a register or record of HIV positive clients who were tested for TB? (q4082)

- Yes observed

Intravenous solution with infusion set [Normal saline or Ringers Lactate, and Dextrose 5%]

Please tell me if any of the following drugs are available in the delivery service area. If the drug is available, I

would like to see it.

Intravenous infusion set (q4571a_05)

- Observed, at least one not expired

Dextrose and water 5% (D5W) intravenous solution (q4571a_06)

- Observed, at least one not expired

Sodium Chloride (.09NS) intravenous solution (q4571a_07)

- Observed, at least one not expired

Other plasma expander such as Ringers Lactate (RL) (q4571a_08)

- Observed, at least one not expired

Intravenous infusion set (q6500a_04)

- Observed, at least one not expired

Dextrose 5% and water (D5W) (q6541a_4)

- Observed, at least one not expired

0.09% Sodium chloride (normal saline) (0.09NS) (q6541a_1)

- Observed, at least one not expired

Sodium lactate (Ringers) (RL) (q6541a_3)

- Observed, at least one not expired

First line TB medications

All medications were observed and at least one not expired

IV treatment fungal infections

Anti infective and anti parasitic; Amphotericin injection [IV drug for fungal infection] (q6505a_06)

- Observed, at least one not expired

Co-trimoxazole cap/tab

Anti infective and anti parasitic; Cotrimoxazole cap/tab (q6505a_13)

- Observed, at least one not expired

Palliative care pain management

Other/general medicines; Morphine tablet or morphine solution (q6525a_30)

- Observed, at least one not expired

Other/general medicines; Ibuprofen tablet (q6525a_23)

- Observed, at least one not expired

Other/general medicines; Acetaminophen (Paracetamol) tab/cap (q6525a_34)

- Observed, at least one not expired

Male condoms

Are any of the following contraceptive methods available in this service site today?

Male condoms (q4241a_05)

- Observed, at least one not expired

Check to see if at least one of each medicine/

commodity is valid (not expired)

Male condoms (q6582a_05)

- Observed, at least one not expired

HIV/AIDS care and support services readiness index

(System for diagnosis of TB among HIV clients + Intravenous solution with infusion set [Normal saline or Ringers Lactate, and Dextrose 5%] + First line TB medications + IV treatment fungal infections + Co-trimoxazole cap/ tab + Palliative care pain management + Male condoms)/7

Annex Table 54: Percentage of facilities that offer HIV/AIDS antiretroviral prescription and client management services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 112. Proportion (%) of facilities that offer ARV services (N=2927), Kenya 2018

ARV prescription or ARV treatment follow-up services

Does this facility prescribe life-long ART or provide follow up services for life-long ART clients?

- Yes

Which of the following services does this facility provide?

ART prescription services (q4041a_4)?

- Yes

ART client clinical treatment follow-up?(q4041a_2)

- Yes

Annex Table 55: Percentage of facilities that have tracer items for HIV/AIDS antiretroviral prescription and client management services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=1239), Kenya 2018

Figure 114. Proportion (%) of facilities that have tracer items for ART services among facilities that provide this service (N=1239), Kenya 2018

Does the facility store ARVs? (qk9641)

- Yes

Viral load testing onsite (q4072_25)

- Yes

Assay kit(s)-liver function test including ALT (q6302_3)

- Observed and functional

Assay kit(s)-renal function test (q6302_4)

- Observed and functional

Tests for full blood count with differential (q6301_3)

- Available and onsite

Mean availability of tracer items

(Complete blood count + Renal function tests + Liver function tests + CD4/Viral load + 3 first line ARVS)/ 5

Annex Table 56: Percentage of facilities that offer PMTCT services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 116. Proportion (%) of facilities that offer PMTCT services (N=2927), Kenya 2018

Does this facility offer HIV testing or other services to ANC clients for the elimination/prevention of mother-to-child transmission of HIV (E/PMTCT)?(q4300)

- Yes

As part of E/PMTCT services, please tell me if this facility provides the following services to clients:(q4301)

Provide HIV counselling and testing services to HIV positive pregnant women for E/PMTCT(q4301a_2)

- Yes

Refer/provide all HIV positive pregnant women for any E/PMTCT ARV regimen(q4301a_4)

- Yes

Does this facility provide early infant diagnosis (EID) services for all HIV exposed infants (q4304)

- Yes

Which of the following are additional services offered for E/PMTCT?(q4303)

Provide ARV prophylaxis to newborns of HIV positive pregnant women for E/PMTCT(q4303a_1)

- Yes

Offer infant and young child feeding counselling for infants of HIV positive women(q4303a_6)

- Yes

Provide nutritional counselling for HIV positive pregnant women, infants and young children for E/PMTCT(q4303a_5)

- Yes

Provide family planning counselling to HIV positive pregnant women for E/PMTCT(q4303a_7)

- Yes

Annex Table 57: Percentage of facilities that have tracer items for PMTCT services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2302), Kenya 2018

Figure 118. Proportion (%) of facilities that have tracer items for PMTCT services among facilities that provide this service (N=2302), Kenya 2018

ASSESS IF THE FOLLOWING ITEMS ARE IN REASONABLE PROXIMITY TO THAT SITE SUCH THAT PROVIDERS THERE COULD REASONABLY EXPECT TO USE THE ITEMS. I would like to ask about different items for infection prevention and control for laboratory services and to observe which items are available.

Does the E/PMTCT service room or area have auditory and visual privacy?(q4311)

- BOTH AUDITORY AND VISUAL PRIVACY

Dry Blood Spot (DBS) collection for HIV viral load or EID(q6274a_6)

- Observed, Available

Are any of the following ARVs available today in this facility? CHECK TO SEE IF AT LEAST ONE FROM THE REGIMEN IS VALID (NOT EXPIRED)- (q6576)

Zidovudine syrup-(q6576a_2)

- Observed

Nevirapine syrup(q6576a_07)

- observed

Maternal ARV Prophylaxis

As part of E/PMTCT services, please tell me if this facility provides the following services to clients

Refer/provide all HIV positive pregnant women for any E/PMTCT ARV regimen. (q4301_4)

- Yes

Provide HIV counselling and testing services to HIV positive pregnant women for E/PMTCT (q4301_2)

- Yes

Annex Table 58: Percentage of facilities that offer Pediatric HIV services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 120. Proportion (%) of facilities that offer paediatric HIV care and treatment services (N=2927), Kenya 2018

Does this facility provide early infant diagnosis (EID) services for all HIV exposed infants? (q4304)

- Yes

Provide ARV prophylaxis to newborns of HIV positive pregnant women for E/PMTCT (q4303_1)

- Yes

For which of the following subgroups does this facility offer HIV & AIDS care and support services? (q4071)

Children 0-9 (q4071a_4)

- Yes

Does this facility provide HIV testing services for minor adolescents 10-19 years of age? (q4011)

- Yes, guardian consent required

Does this facility ever provide HIV testing services for children below 5 years of age? (q4014)

- Yes

Does this facility provide HIV testing services for older children 5-9 years of age? (q k4011)

- Yes

Annex Table 59: Percentage of facilities that have tracer items for Pediatric HIV services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=1871), Kenya 2018

Figure 122: Proportion (%) of facilities that have tracer items for paediatric HIV care and treatment services among facilities that provide this service (N=1871), Kenya 2018

Nevirapine syrup(q6576_07)

- Observed, at least one not expired

Lamivudine (3TC) syrup (q6576_19)

- Observed, at least one not expired

Efavirenz syrup (q6576_20)

- Observed, at least one not expired

Are any of the following protease inhibitors available today in this facility? (q6578)

Lopinavir syrup(q6578_3)

- Observed, at least one valid

Cotrimoxazole tablet (q2962_28)

- Observed, at least one not expired

Mean availability of items

(Cotrimoxazole tablet + Lopinavir syrup + Efavirenz Syrup + Lamivudine syrup (3TC) Syrup + Nevirapine Syrup)/5

Annex Table 60: Percentage of facilities that offer sexually transmitted infection services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 124. Proportion (%) of facilities that offer STI services (N=2927), Kenya 2018

Does this facility offer diagnosis and/or treatment of STIs other than HIV? (q2550)

- Yes

Annex Table 61: Percentage of facilities that have tracer items for sexually transmitted infection services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2512), Kenya 2018

Figure 126. Proportion (%) of facilities that have tracer items for STI services among facilities that provide this service (N=2512), Kenya 2018

I would like to know if the following medicines are available today in this facility. I would also like to observe the medicines that are available. If any of the medicines I mention is stored in another location in the facility, please tell me where in the facility it is stored so I can go there to verify. I will also be asking about stock outs for some specific medicines

ANTI-INFECTIVE AND ANTI PARASITIC (q6505)

Metronidazole cap/tab (q 6505a_21)

- Observed, at least one not expired

Ciprofloxacin cap/tab (q6505a_11)

- Observed, at least one not expired

Does this facility have condoms available in this service site today to give to clients receiving services? (q4025)

- Yes

Syphilis rapid test (q6274a_02)

- Observed, at least one not expired

Ceftriaxone injection (q6505a_10)

- Observed, at least one not expired

Mean availability of tracer items

(Ceftriaxone injection + Syphilis rapid test + Condoms + Ciprofloxacin cap/tab + Metronidazole cap/tab)/5

Annex Table 62: Percentage of facilities that offer neglected tropical disease services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 128. Proportion (%) of facilities that offer neglected tropical disease diagnosis and treatment services (N=2927), Kenya 2018

Does this facility offer diagnosis and treatment for any other tropical diseases commonly called "neglected tropical diseases" such as lymphedema, soil transmitted helminths, schistosomiasis, trachoma, onchocerciasis

(ONCO), Lymphatic filariasis (LF), visceral leishmaniasis, or dengue and guinea worm (Ginger), which are priority diseases in Kenya? (q2400)

- Yes

Lymphedema from any disease (q2401_01)

- Yes, both in and out patient

Soil transmitted helminths (roundworm, hookworm, whipworm) (q2401_02)

- Yes, both in and out patient

Schistosomiasis (bilharzia) (q2401_03)

- Yes, both in and out patient

Trachoma (q2401_04)

- Yes, both in and out patient

Onchocerciasis (ONCO) (q2401_05)

- Yes, both in and out patient

Lymphatic filariasis (LF) including hydrocele or lymphedema (q2401_06)

- Yes, both in and out patient

Dengue (q2401_07)

- Yes, both in and out patient

Guinea-worm disease (Dracunculiasis or Ginger) (q2401_08)

- Yes, both in and out patient

Visceral leishmaniasis (q2401_09)

- Yes, both in and out patient

Does the facility support any services related to any of the previously mentioned tropical illnesses outside of this facility, including links with CHVs? (q2406)

- Yes

Which of the following community-based services related to neglected tropical diseases does this facility either support or provide? (q2407)

Active case findings (q2407_02)

- Staff provide service

Contact tracing activities (q2407_03)

- Staff provide service

School health programs (q2407_07)

- Staff provide service

Mass drug administration (MDA) (q2407_01)

- Staff provide service

Community awareness for any of the neglected tropical diseases (NTD)? (q2407_06)

- Staff provide service

Vector surveillance control activities (e.g. reducing breeding sites in and around homes, abate treatment) for NTDs (not malaria-related) such as river valley fever (RVF)) (q2407_04)

- Staff provide service

Veterinary public health interventions (e.g. vaccination of dogs to prevent human rabies, vaccination and other preventive measures for anthrax) (q2407_05)

- Staff provide service

Annex Table 63: Percentage of facilities that have tracer items for neglected tropical disease services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=939), Kenya 2018

Figure 130: Proportion (%) of facilities that have tracer items for neglected tropical disease diagnosis and treatment services among facilities that provide this service (N=939), Kenya 2018

I would like to know if the following equipment items are available and, if relevant, functional today in this facility(q6282_4)

- Observed available and functional

Now I would like to know if the following tests are available either onsite at any location in this facility or if specimens are sent offsite for the test to be conducted. If the test in conducted onsite, I will ask you about the availability and functionality of the associated equipment and supplies

Urine microscopy(q6308_3)

- Available; Observed and functional

A-Microscopy (microfilaria)(q6308_5)

- Available; Observed and functional
- B- Filariasis test strip (FTS)(q6274_10)
- Available, observed; At least one not expired

Dengue rapid test (q6274_11)

- Available, observed; At least one not expired

Visceral leishmaniasis rapid test(q6274_12)

- Available, observed; At least one not expired

Kato Katz kits (for helminth) (q6274_9)

- Available, observed; At least one not expired

Lymphatic filariasis Treatment;

- Diethylcarbamazine (DEC)(q6505_15)- Available, observed; At least one not expired
    a. Ivermectin (onchocerciasis)(q6505_20)- Available, observed; At least one not expired
    b. Albendazole or mebendazole tablet(q6505_1)- Available, observed; At least one not expired

Albendazole or mebendazole tablet (q6505_1)

- Available, observed; At least one not expired

Trachoma treatment;

- Azithromycin tablet or suspension(q6505_7)- Available, observed; At least one not expired

Eye cream for newborn or for trachoma (tetracycline)(q6535_1)- Available, observed; At least one not expired

Praziquantel(q6505_24)

- Available,observed; At least one not expired

vermectin (onchocerciasis)(q6505_20)

- Available,observed; At least one not expired

Mean availability of items

(Urine filtration or centrifuge + Stool or urine microscopy + LF diagnostic capacity : Microscopy + Rapid test for dengue or microscopy for dengue + Visceral leishmaniasis diagnostic capacity + Kato katz test + Lymphatic filariasis treatment + mebendazole + Trachoma treatment + Praziquantel + Ivermectin)/11

Figure 132. Availability of non-communicable disease prevention, management and control services (N = 2927), Kenya 2018

Do providers in this facility diagnose and/or manage cardiovascular diseases such as hypertension in patients? (q2625)

- Yes

Do providers in this facility diagnose and/or manage chronic respiratory diseases (e.g asthma, bronchitis, COPD)? (q2635)

- Yes

Do providers in this facility diagnose and/or manage diabetic patients? (q2615)

- Yes

Does this facility have any services for diagnosing cervical cancer? (q2660)

- Yes

Does this facility screen for or diagnose breast cancer? (q2670)

- Yes

Does this facility screen for, diagnose or treat colorectal cancer? (q2680)

- Yes

Does this facility offer any palliative care services? (q2730)

- Yes

Does this facility offer any rehabilitative or physical therapy care services? (q2740)

- Yes

Annex Table 64: Percentage of facilities that offer diabetes services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 134. Proportion (%) of facilities that offer diabetes services, by county (N=2927), Kenya 2018

Do providers in this facility diagnose and/or manage diabetic patients? (q2615)

- Yes

Annex Table 65: Percentage of facilities that have tracer items for diabetes services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=1722, Kenya 2018

Figure 136. Proportion (%) of facilities that have tracer items for diabetes services among facilities that provide this service (N=1722), Kenya 2018

DIABETES (q6515)

Metformin tab/cap (q6515_01)

- Observed, at least one not expired

Glibenclamide tablet (q6515_02)

- Observed, at least one not expired

Insulin injection-regular (q6515_03)

- Observed, at least one not expired

Gliclazide tablet or other sulfonylurea (e.g., glipizide) (q6515_05)

- Observed, at least one not expired

Glucose 50% injection (q6515_06)

- Observed, at least one not expired

Blood pressure apparatus (manual sphygmomanometer with stethoscope or digital) (q5113a_10)

- Observed

Adult weighing scale (q4254a_02)

- Observed

Measuring tape (q2250a_11)

- Available, observed

Glucose (q4937_03)

- Observed, at least one not expired

Urine dipstick 3 (q6274_03)

- Observed available, at least one not expired

Urine dipstick 9 (q6274_04)

- Observed available, at least one not not expired

Mean availability of tracer items

(Urine dipstick 9 + Urine dipstick 3 + Glucose + Blood pressure apparatus + Adult scale + Measuring tape + Blood glucose + Metformin + Glibenclamide + Insulin regular injectable + Gliclazide tablet or glipizide tablet)/11

Annex Table 66: Percentage of facilities that offer cardiovascular disease services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 138. Proportion (%) of facilities that offer cardiovascular disease diagnosis and management services by county (N=2927), Kenya 2018

Do providers in this facility diagnose and/or manage cardiovascular diseases such as hypertension in patients? (q2625)

- Yes

Annex Table 67: Percentage of facilities that have tracer items for cardiovascular disease services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=1821), Kenya 2018

Figure 140. Proportion (%) of facilities that have tracer items for cardiovascular disease diagnosis and management services among facilities that provide this service (N=1821), Kenya 2018

Blood pressure apparatus (q4562_18)

- Available, observed

Stethoscope (q2250_04)

- Available, observed

Adult weighing scale (q4254_02)

- Available, observed

Is there any oxygen currently in the unit? (q5105)

- Yes

Metformin tab/cap (q6515_01)

- Observed, at least one not expired

Thiazide diuretic 1 (e.g., hydrochlorothiazide or Bendrofluazide tablet) (q6510_06)

- Observed, at least one not expired

ACE inhibitor (e.g., enalapril tablet) (q6510_03)

- Observed, at least one not expired

Acetylsalicylic acid (Aspirin) (q6525_01)

- Observed, at least one not expired

Calcium channel blocker (e.g., amlodipine tablet) (q6510_01)

- Observed, at least one not expired

Beta blockers (e.g., Bisoprolol, metoprolol, carvedilol tablet) (q6510_02)

- Observed, at least one not expired

Mean Availability of tracer items

(Beta blockers + Calcium channel blockers + Aspirin Ace inhibitors + Hydrochlorothiazide tablet + Metformin + Oxygen + Adult scale + Stethoscope + Blood pressure apparatus)/10

Annex Table 68: Percentage of facilities that offer chronic respiratory disease services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 142. Proportion (%) of facilities that offer CRD diagnosis and management services by county (N=2927), Kenya 2018

Do providers in this facility diagnose and/or manage chronic respiratory diseases (e.g asthma, bronchitis, COPD)? (q2635)

- Yes

Annex Table 69: Percentage of facilities that have tracer items for chronic respiratory disease services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=1802), Kenya 2018

Figure 144. Proportion (%) of facilities that have tracer items for chronic respiratory disease diagnosis and management services among facilities that provide this service (N=1802), Kenya 2018

Now I would like to see equipment and resources that are available in the outpatient service area. IF THERE ARE MULTIPLE OUTPATIENT SERVICE AREAS, ASSESS THE RESOURCES AND EQUIPMENT THAT ARE IN THE VICINITY OF THE SERVICE AREA FOR OUTPATIENT CURATIVE CARE FOR ADULTS.

Please tell me if the following basic equipment and supplies used in the provision of client services are available anywhere in the outpatient service area and are functional.(2250)

Stethoscope (q 2250_4)

- Observed and functioning

Please tell me if the following basic equipment items are available and functional in this service area today.

Spacers for inhalers (q2637_2)

- Available and functioning

Oxygen

Is there any oxygen currently in the unit? (q5105)

- Yes

Peak flow meter (q2637_1)

- Available and functioning

ASK TO GO TO THE MAIN STORAGE AREA FOR PHARMACEUTICALS.

I would like to know if the following medicines are available today in this facility. I would also like to observe the medicines that are available. If any of the medicines I mention is stored in another location in the facility, please tell me where in the facility it is stored so I can go there to verify. I will also be asking about stockouts for some specific medicines

Epinephrine injectable (q6525_02)

Observed and available

Hydrocortisone injection (6525_21)

- Observed and available

Prednisolone cap/tabs (6525_39)

- Observed and available

Salbutamol inhaler (q6506_02)

- Observed at least one not expired

Ask To Go To The Main Storage Area For Pharmaceuticals.

I would like to know if the following medicines are available today in this facility. I would also like to observe the medicines that are available. If any of the medicines I mention is stored in another location in the facility, please tell me where in the facility it is stored so I can go there to verify. I will also be asking about stockouts for some specific medicines

Beclomethasone inhaler (q6506_1)

- Observed and available

Annex Table 70: Percentage of facilities that offer cervical cancer services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 146. Proportion (%) of facilities that offer cervical cancer prevention and control services (N=2927), Kenya 2018

Does this facility have any services for diagnosing cervical cancer? (q2660)

- Yes

Annex Table 71: Percentage of facilities that have tracer items for cervical cancer services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=693), Kenya 2018

Figure 148. Proportion (%) of facilities that have tracer items for cervical cancer prevention and control services among facilities that provide this service (N=693), Kenya 2018

Please tell me if the following basic equipment/items are available in this service area today. (q2663)

Acetic acid or Lugol's iodine for visual inspection (VIA or VIA/VILI) (q2663_01)

- Yes observed

Speculum (q2663_02)

- Yes observed

Colposcopy equipment (q2663_08)

- Yes observed

Materials for providing Loop Electrosurgical Excision Procedure (LEEP) (q2663_09)

- Yes observed

HPV test (e.g., Cervista test) (q2663_11)

- Yes observed

Materials for providing cryotherapy/thermal-cold coagulation (q2663_10)

- Yes observed

Urinary catheters (q5113_22)

- Available observed

Examination light (flashlight ok) (q4562_05)

- Available observed

Does this facility have a histopathologist and/or a histopathology department? (q6350)

- Yes

Mean availability of tracer items

(Does this facility have a histopathologist and/or a histopathology department +Examination light (flashlight ok) + Urinary catheters + Materials for providing cryotherapy/thermal-cold coagulation + HPV test (e.g., Cervista test) + Materials for providing Loop Electrosurgical Excision Procedure (LEEP) + Colposcopy equipment + Speculum + Acetic acid or Lugol's iodine for visual inspection (VIA or VIA/VILI) + Ultrasound)/10

Annex Table 72: Percentage of facilities that offer breast cancer services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 150. Proportion (%) of facilities that offer breast cancer prevention and control services (N=2,927), Kenya 2018

Does this facility screen for or diagnose breast cancer? (q2670)

- Yes

Which of the services for diagnosing and/or treating breast cancer are used in this facility?

Manual breast examination (q2670_02)

- Perform in facility

Outpatient maintenance treatment for breast cancer (q2670_09)

- Perform in facility

Breast ultrasound for young girls (q2670_10)

- Perform in facility

Fine needle aspiration cytology (q2670_03)

- Perform in facility

Mastectomy (q2670_08)

- Perform in facility

Core needle biopsy of lump specimen (q2670_04)

- Perform in facility

Lumpectomy (q2670_07)

- Perform in facility

Mammography (q2670_02)

- Perform in facility

Chemotherapy (q2670_05)

- Perform in facility

Radiation therapy (q2670_06)

- Perform in facility

Annex Table 73: Percentage of facilities that have tracer items for breast cancer services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=635), Kenya 2018

Figure 152: Proportion (%) of facilities that have tracer items for breast cancer prevention and control services among facilities that provide this service (N=635), Kenya 2018

Morphine granule, injectable, or cap/tab (6525_29)

- Observed available

Opiod (e.g., morphine) (q4928_8)

- Observed available

Tamoxifen

Tamoxifen tablet (q6520_01)

- Observed, at least one not expired

Cyclophosphamide (q6520_02)

- Observed, at least one not expired

Histopathologist and breast biopsy

Does this facility have a histopathologist and/or a histopathology department? (q6350)

- Yes

Annex Table 74: Percentage of facilities that offer prostate cancer services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 153. Percentage of facilities that offer prostate cancer services (N=2,927), Kenya 2018

Does this facility screen for, diagnose or treat prostate cancer? (k2682)

- Yes

Annex Table 75: Percentage of facilities that have tracer items for prostate cancer services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=248), Kenya 2018

Figure 155: Percentage of facilities that have tracer items for prostate cancer services among facilities that provide this service (N=248), Kenya 2018

Which of the services for diagnosing and/or treating prostate cancer are used in this facility? (K2683)

Digital Rectal Examination (DRE) (k2683_01)

- Perform in facility

Prostate Specific Antigen (PSA) Testing (k2683_01)

- Perform in facility

Mean availability of tracer items

(digital rectal examination + Prostate specific antigen)/2

Annex Table 76: Percentage of facilities that offer colorectal cancer services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 157. Percentage of facilities that offer colorectal cancer services (N=2927), Kenya 2018

Does this facility screen for, diagnose or treat colorectal cancer? (q2680)

- Yes

Stool guaiac test (q2680_01)

- Perform in facility

Colonoscopy (q2680_02)

- Perform in facility

Biopsy of colon polyp (q2680_03)

- Perform in facility

Surgical interventions (q2680_04)

- Perform in facility

Chemotherapy (q2680_05)

- Perform in facility

Radiation therapy (q2680_06)

- Perform in facility

Annex Table 77: Percentage of facilities that have tracer items for colorectal cancer services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=77), Kenya 2018

Figure 159: Proportion (%) of facilities that have tracer items for colorectal cancer diagnosis and treatment services among facilities that provide this service (N=77), Kenya 2018

I would like to ask about different items for infection prevention and control for laboratory services and to observe which items are available.

Stool guaiac testing capacity:

Availability of Stool guaiac test for blood (q6274a_07)

- At least one not expired

Histopathology service:

Does this facility have a histopathologist and/or a histopathology department? (q6350)

- Yes, AND

Does the laboratory have capacity to prepare and examine tissues or samples for diagnosis of cancer patients? (q6354)

- Yes, AND

Does the laboratory have a functional microtome for slicing tissues section samples? (q6355)

- Yes

Does this facility have 5-Fluorouracil injection available today (q6520a_03)

- At least one not expired

Does this facility have Alkylating agents (Cisplatin, Carboplatin intravenous) available today (q6520a_04)

- At least one not expired

Does this facility screen for, diagnose or treat colorectal cancer with Colonoscopy (q2681_02)?

- Perform in facility

Annex Table 78: Percentage of facilities that offer mental and neurological care services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 160. Percentage of facilities that offer mental and neurological care services (N=2927), Kenya 2018

Does this facility offer any services for mental and/or neurological conditions? (q2700)

- Yes

Mental disorders (depression, psychosis and bipolar disorder) (q2700_01)

- Yes offered, Inpatient only

Neurological disorders (epilepsy, autism and dementia) (q2700_02)

- Yes offered, inpatient only

Mental health inpatient ward is available (q2700_03)

- Yes offered, inpatient only

Neurological inpatient ward is available (q2700_04)

- Yes offered, inpatient only

Now I would like to know about specific types of mental and neurological services offered. For each diagnosis I mention, please tell me if this facility diagnoses and/or provides patient follow-up for the condition (q2702)

Depression (q2702_01)

- Diagnoses and provide patient follow up

Psychosis (q2702_02)

- Diagnoses and provide patient follow up

Bipolar Disorder (q2702_03)

- Diagnoses and provide patient follow up

Epilepsy (q2702_04)

- Diagnoses and provide patient follow up

Dementia (q2702_05)

- Diagnoses and provided patient follow up

Does this facility have any links with community services for mental/neurological health services? (q2709)

- Yes

Annex Table 79: Percentage of facilities that have tracer items for mental and neurological care services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=429), Kenya 2018

Figure 162: Percentage of facilities that have tracer items for mental and neurological care services among facilities that provide this service (N=429), Kenya 2018

ASK TO GO TO THE MAIN STORAGE AREA FOR PHARMACEUTICALS.

I would like to know if the following medicines are available today in this facility. I would also like to observe the medicines that are available. If any of the medicines I mention is stored in another location in the facility, please tell me where in the facility it is stored so I can go there to verify. I will also be asking about stockouts for some specific medicines.

Amitriptyline tablet (q6530_01)

- Observed available

Chlorpromazine injection (q6530_05)

- Observed available

Diazepam tablet (q6525_09)

- Observed available

Diazepam injection or diazepam rectal tubes (q6525_10)

- Observed available

Fluphenazine injection (q6530_09)

- Observed available

Levodopa + carbidopa tablet (q6525_24)

- Observed available

Lithium tablet (q6530_13)

- Observed available

Phenobarbital tablet (q6530_17)

- Observed available

Phenytoin tablet (q6530_19)

- Observed available

Valproate sodium tablet (6530_22)

- Observed available

Annex Table 80: Percentage of facilities that offer services for victims of violence and sexual abuse by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 164. Percentage of facilities that offer services for victims of violence and sexual abuse (N=2927), Kenya 2018

Which of the following services are offered to victims of rape and sexual attack? IF THE SERVICE IS OFFERED, ASK: Is this always offered to victims of sexual attack or only sometimes, on a case by case basis, or is the service not available? (q 2761)

Forensic assessment and examinations (q 2761 _1)

- Offered routinely

Rapid HIV test (q2761_2)

- Offered routinely

Emergency contraceptive (q2761_3)

- Offered routinely

Counselling services (q2761_4)

- Offered routinely

Does this facility have the capacity to identify and offer services for victims of child-abuse or maltreatment? Child-abuse includes physical, sexual or emotional violence and neglect of persons aged 0-17 by parents or caregivers (2780

- Yes

Does this facility have the capacity to identify and offer services for victims of youth violence? This includes physical, sexual or emotional violence in young people aged 10-24 years of age perpetrated by peers (q2800)

- Yes

Does your health facility systematically identify victims of child maltreatment through routine services? Victims of child-abuse or maltreatment often do not seek health services for their exposure to violence. They are rather identified through other routine services such as vaccination services, pediatric services, antenatal care etc. (q2781)

- Yes, Routinely

Does the facility have a post rape care (PRC) register or other means of documenting cases of intimate partner and/or sexual violence? (q2764)

- Yes, observed

Annex Table 81: Percentage of facilities that offer palliative care services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 166. Percentage of facilities that offer palliative care services (N=2927), Kenya 2018

Does this facility offer any palliative care services? (2730)

- Yes

Which of the following palliative health services are offered in this facility?

Inpatient palliative care (q 2731_1)

- Yes

Outpatient palliative care (q 2731_2)

- Yes

Home-care for palliative care (q 2731_3)

- Yes

Linkages with other organizations providing home-based palliative care (q2731_4)

- Yes

Annex Table 82: Percentage of facilities that have tracer items for palliative care services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=140), Kenya 2018

Figure 168: Percentage of facilities that have tracer items for palliative care services among facilities that provide this service (N=140), Kenya 2018

Does this facility stock any medicines, vaccines, or contraceptive commodities?(q 6504)

- YES

Ask to go to the main storage area for pharmaceuticals. I would like to know if the following medicines are available today in this facility. I would also like to observe the medicines that are available. If any of the medicines I mention is stored in another location in the facility, please tell me where in the facility it is stored so I can go there to verify. I will also be asking about stock outs for some specific medicines.

Folic acid tab/cap (6505_15)

- Available and observed

Acetaminophen (Paracetamol) tab/cap2 (6505_34)

- Available and observed

Oral Rehydration Salts1,2,3 (6505_32)

- Available and observed

Vitamin A (retinol) capsules2 (6505_48)

- Available and observed

Methadone (anti narcotic) (6505_26)

- Available and observed

Buprenorphine (Buprenex) narcotic analagesic (6525_5)

- Available and observed

Fluorouracil (5FU) intravenous (colorectal) (6520_3)

- Available and observed

Annex Table 83: Percentage of facilities that offer rehabilitation care services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 170. Percentage of facilities that offer rehabilitation care services (N=2927), Kenya 2018

Does this facility offer any rehabilitative or physical therapy care services?? (q 2700)

- Yes

Annex Table 84: Percentage of facilities that have tracer items for rehabilitation care services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=181), Kenya 2018

Figure 172: Percentage of facilities that have tracer items for rehabilitation care services among facilities that provide this service (N=181), Kenya 2018

I would like to see different equipment and consumables for rehabilitation services. For each item I ask about, please show me equipment and clarify if it is functional or not. (q 2744)

Parallel bars (q 2744_1)

- Observed and functional

Height adjustable treatment bed/plinth (q 2744_2)

- Observed and functional

Upper limb exercise equipment (weights/ pulleys/ TheraBand) (q 2744_3)

- Observed and functional

Measuring tape / Goniometer (q 2744_4)

- Observed and functional

Walking frames/crutches/walking sticks (q 2744_5)

- Observed and functional

Compression bandages / tubigrip (q 2744_6)

- Observed and functional

Casting and Splinting Kit (q 2744_7)

- Observed and functional

Audiometric equipment and booth (q 2744_8)

- Observed and functional

Any equipment for paediatric rehabilitation (mats/toys/walking frames/standing frames) (q 2744_9)

- Observed and functional

Any patient education materials (q 2744_10)

- Observed and functional

Annex Table 85: Percentage of facilities that offer basic surgery services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 174. Percentage of facilities that offer basic surgical services (N=2927), Kenya 2018

Does this facility offer any minor surgical services either for out or inpatients (such as suturing, circumcision, wound debridement, etc.)? (q500)

- Yes.

Please tell me if this facility provides the following services:

Incision and drainage of abscesses (q5001a_01)

- Both out and inpatient.
- Outpatient.

Suturing (q5001a_04)

- Both out and inpatient.
- Outpatient.

Acute burn management. (q5001a_03)

- Both out and inpatient.
- Outpatient.

Removal of foreign body (q5001a_12)

- Both out and inpatient.
- Outpatient.

Wound debridement (q5001a_02)

- Both out and inpatient.
- Outpatient.

Male circumcision (q5001a_08)

- Both out and inpatient.
- Outpatient.

Closed repair of dislocated joint (q5001a_06)

- Both out and inpatient.
- Outpatient.

Closed repair of fracture (q5001a_05)

- Both out and inpatient.
- Outpatient.

Hydrocele reduction (q5001a_09)

- Both out and inpatient.
- Outpatient.

Biopsy of lymph node or mass or other (q5001a_11)

- Both out and inpatient.
- Outpatient.

Chest tube insertion (q5001a_10)

- Both out and inpatient.
- Outpatient.

Cricothyroidotomy (q5001a_07)

- Both out and inpatient.
- Outpatient.

Annex Table 86: Percentage of facilities that have tracer items for basic surgery services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2393), Kenya 2018

Figure 176. Percentage of facilities that have tracer items for basic surgical services among facilities that provide this service (N=2392), Kenya 2018

Oxygen

Is there any oxygen currently in the unit? (q5105)

- Yes

Now I would like to see some basic surgical equipment. For each item I ask about, please tell me if it is available, and show me the item. Where relevant, also please tell me if the item is functioning today.

Suction apparatus (q5113a_12 & q5113b_12)

- Observed and functioning.

Needle holder (q5113a_14 & q5113b_14)

- Observed and functioning.

Surgical scissors (q5113a_17 & q5113b_17)

- Observed and functioning.

Scalpel handle with blade (q5113a_15 & q5113b_15)

- Observed and functioning.

Nasogastric tubes (q5113a_19 & q5113b_19)

- Observed and functioning.

Retractor (q5113a_16 & q5113b_16)

- Observed and functioning.

Tourniquet (q5113a_20 & q5113b_20)

- Observed and functioning.

Adult and pediatric resuscitators (q5114a_09 &q5114b_09 & q5119a_8 & q5119b_8)

- Observed and functioning.

Now I would like to assess the availability and management of pharmaceutical and other consumable commodities.

Sutures (q6500a_01 | q6500a_03)

- Observed and at least one not expired.

q4950a_5==1)

- Observed.

Lidocaine (1% or 2% injectable)(q6540a_06)

- Observed and at least one not expired.

q4928a_1

- Observed and at least one not expired.

Skin disinfectant (4571_09)

- Observed, at least one not expired

Material for cast q6500a_18)

- Observed and at least one not expired

Ketamine (injectable) q6540a_05 and q4928a_2)

- Observed and at least one not expired

Splints for extremities q6500a_17)

- Observed and at least one not expired

Mean availability of tracer items

(Splints for extremities + Ketamine (injectable) + Material for cast + Skin disinfectant + Lidocaine 1% or 2% + Sutures + Adult and pediatric resuscitators + Tourniquet + Retractor + Nasogastric tubes + Scalpel handle with blades + surgical scissors + needle holder + suction apparatus + Oxygen)/15

Annex Table 87: Percentage of hospitals that offer comprehensive surgery services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 178. Percentage of hospitals that offer comprehensive surgical services (N=411), Kenya 2018

Are any surgical procedures other than those minor surgical procedures already asked about carried out by this facility, either as out or inpatient procedures?

- Yes

Now I want to know about the availability of essential surgeries for children younger than 15 years. For each procedure I asked about, please tell me if this was always available, not always available, or never available for children younger than 15 years old during the past 3 months.

Congenital hernia repair(q5018a_1)

- Always available when needed.
- Never available.

Club foot repair (q5021a_2)

- Always available when needed.
- Never available.

Cleft palate(q5021a_1)

- Always available when needed.
- Never available.

Now I want to know about other surgical procedures that may be performed here or in another site in the facility. Please tell me if this facility performs any of the following procedures, and indicate if the procedures is provided for outpatients, inpatient, or both out and inpatients, or if the procedure is not available in this facility.

Episiotomy (q5011a_07,1,3)

- Outpatient
- Both out and inpatient.

Dilation & curettage (q5011a_06)

- Outpatient
- Both out and inpatient.

Hernia repair (elective) (q5015a_08)

- Outpatient
- Both out and inpatient.

Hernia repair (strangulated) (q5015a_07)

- Outpatient
- Both out and inpatient.

Appendectomy (q5015a_02)

- Outpatient
- Both out and inpatient.

Laparotomy (q5015a_12)

- Outpatient
- Both out and inpatient.

Amputation (q5015a_01)

- Outpatient
- Both out and inpatient.

Drainage of osteomyelitis-septic arthritis (q5015a_06)

- Outpatient
- Both out and inpatient.

Cystostomy (q5011a_03)

- Outpatient
- Both out and inpatient.

Open reduction and fixation for fracture (q5015a_11)

- Outpatient
- Both out and inpatient.

Tubal ligation (q5011a_01)

- Outpatient
- Both out and inpatient.

Urethral stricture dilation (q5011a_04)

- Outpatient
- Both out and inpatient.

Skin grafting and Contracture release (q5015a_05)

- Outpatient
- Both out and inpatient.

Tracheostomy (q5011a_05,1,3)

- Outpatient
- Both out and inpatient.

Obstetric fistula repair (q5011a_08)

- Outpatient
- Both out and inpatient.

Vasectomy (q5011a_02)

- Outpatient
- Both out and inpatient.

Cataract surgery (q5015a_03)

- Outpatient
- Both out and inpatient.

Annex Table 88: Percentage of hospitals that have tracer items for comprehensive surgery services among hospitals that provide this service by county, facility type, managing authority, and urban vs. rural location (N=227), Kenya 2018

Figure 180. Percentage of hospitals that have tracer items for comprehensive surgical care among facilities that provide this service (N=227), Kenya 2018

Does this facility have a health professional trained in anaesthesia present in the facility or on-call in near proximity (within 30 minutes) 24 hours a day, including weekends and on public holidays? q5042==1

- Yes, 24 hours onsite.

Does this facility have a health professional trained in general surgery present in the facility or on-call in near proximity (within 30 minutes) 24 hours a day, including weekends and on public holidays? q5040==1

- Yes, 24 hours onsite.

Suction apparatus (q5113a_12, q5113b_12)

- Observed and functioning.

Spinal needle (q5113_18)

- Available, observed

Oxygen

Is there any oxygen currently in the unit? (q5105)

- Yes

Anaesthesia equipment (q5119_01)

- Available, observed

I would like to know if the following medicines are available today in this facility. I would also like to observe the medicines that are available. If any of the medicines I mention is stored in another location in the facility, please tell me where in the facility it is stored so I can go there to verify. I will also be asking about stock outs for some specific medicines

Epinephrine injectable (q6525a_02)

- Observed and at least one not expired.

Atropine injectable (q6525a_03)

- Observed and at least one not expired.

Diazepam tablet (q6525a_09)

- Observed and at least one not expired.

Halothane inhalation (q6540a_03)

- Observed and at least one not expired.

Suxamethonium bromide powder (q6540a_10)

- Observed and at least one not expired.

Bupivacaine injectable q6540a_02

- Observed and at least one not expired.

Thiopental powder q6540a_11

- Observed and at least one not expired.

Lidocaine 5% q6540a_07

- Observed and at least one not expired.

Mean availability of tracer items

(Lidocaine 5% + Thiopental powder + Bupivacaine injectable + Suxamethonium bromide powder + Halothane inhalation + Diazepam tablet + Atropine injectable + Epinephrine injectable + Anaesthesia equipment + Oxygen + spinal needle + Suction apparatus + staff trained in surgery + Staff trained in anaesthesia)/14

Annex Table 89: Percentage of facilities that offer blood transfusion services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 182. Percentage of facilities that offer blood transfusion services, by county (N=2927), Kenya 2018

Does this facility offer blood transfusion services? Q6000

- Yes.

Annex Table 90: Percentage of facilities that have tracer items for blood transfusion services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=323), Kenya 2018

Figure 184. Percentage of facilities that have tracer items for blood transfusion services among facilities that provide this service (N=323), Kenya 2018

Blood storage refrigerator

Does this facility have a refrigerator available and functioning in this service area for the storage of blood? (q9611)

- Available and functional

Blood typing

- Available and functional

Cross match typing

- Available and functional

Blood supply safety

Does this facility obtain blood for transfusion from a national or regional blood centre or blood bank? (q6004)

- Yes

Blood supply sufficiency

Have there been any interruptions in availability of blood for transfusion during the past 3 months? (q6003)

- Yes

Mean availability of tracer items

(Blood supply sufficient + Blood supply safety + Crossmatch typing + Blood typing + Blood storage refrigerator)/5

Annex Table 91: Percentage of facilities that offer general emergency care services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 186. Percentage of facilities that offer general emergency services (N=2927), Kenya 2018

Does this facility ever provide any emergency services? This includes stabilizing patients prior to transfer for further treatment.(q4850)

- Yes

How many hours per day are pharmacy services available for emergency unit patients? (q4923)

- 24 hours pharmacy services

What is the setting for emergency services? (q4851)

- Special emergency unit

How many hours per day are services provided in the emergency unit? (q4858)

- 24 Hours

How many hours per day are laboratory diagnostic services (other than onsite rapid tests) available for emergency service? (q4904)

- 24 Hour laboratory services

Are there ANY staff who are always available onsite or on-call for 24-hour emergency services? (q4884)

- Yes

Is there a formal triage system for the emergency service patients? (q4871)

- Yes

Are there ANY staff who are always available onsite or on-call for 24-hour emergency services? (q4884)

- Yes

How many hours per day are laboratory diagnostic services (other than onsite rapid tests) available for emergency service? (q4904)

- 24 hours

Annex Table 92: Percentage of facilities that have equipment and medicine tracer items for general emergency care services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2236), Kenya 2018

Figure 188: Percentage of facilities that have equipment and medicines for general emergency services among facilities that provide this service (N=2236), Kenya 2018

Now I would like to ask about equipment for emergency patient examinations and for emergency treatment

Adult intubation set (sealed)(q4941_8)

- Observed and functioning

Oropharyngeal airway- adult (q4941_5)

- Observed and functioning

Oropharyngeal airway- paediatric (q4941_12)

- Observed and functioning

Paediatric intubation set (sealed) (q4941_14)

- Observed and functioning

Are essential life-saving drugs and equipment for respiratory support kept in a cart/box/tray where they can be rapidly used for an emergency situation?(q4934)

- Yes, observed, locked emergency cart? Box

CHECK THE LIST FOR WHAT IS EXPECTED TO BE IN THE EMERGENCY CART/BOX AND INDICATE WHICH OF THE BELOW IS ON THE CART/IN THE EMERGENCY BOX(q4935)

Adrenaline or Epinephrine injection (q4935_1)

- Observed

Intravenous infusion set (q4935_6)

- Observed

Volume replacement intravenous solutions (Dextrose 5% and normal saline (D5NS) or Normal Saline (NS) or Ringers Lactate (RL)(q4935_7)

- Observed

Dextrose 5% /water intravenous solution (for drug administration)(q4935_8)

- Observed

Glucose 50% injection (q4935_2)

- Observed

Atropine injection (q4935_3)

- Observed

Calcium gluconate injection(q4935_4)

- Observed

Sodium Bicarbonate (q4935_5)

- Observed

Mean Availability

(Adult intubation set (sealed)+Oropharyngeal airway- adult+Oropharyngeal airway- paediatric+Paediatric intubation set (sealed) +Emergency cart/tray+Adrenaline or Epinephrine injection+Intravenous infusion set +Volume replacement IV+DSW IV for medication infusion+Glucose 50% injection+Atropine injection+Calcium gluconate injection+Sodium Bicarbonate)/13

Annex Table 93: Percentage of facilities that have diagnostic tracer items for general emergency care services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2236), Kenya 2018

Figure 189: Percentage of facilities that have diagnostics for general emergency services among facilities that provide this service (N=2236), Kenya 2018

HIV rapid test (q6274_1)

- Observed, at least one not expired

Malaria rapid diagnostic test (q6271)

- Observed, at least one not expired

Urine rapid tests for pregnancy (q6274_3)

- Observed, at least one not expired

Hemoglobin A1C rapid test for average level of blood sugar over the past 2 to 3 months (q6274_8)

- Observed, at least one not expired

Urine dipstick (q6274_4)

- Observed, at least one not expired

Mean Availability

(HIV rapid test Malaria RDT+BloodGlucose+Urine pregnancy test Urine dipstick for glucose/protein/ketones)/5

Annex Table 94: Percentage of facilities that have infection prevention tracer items for general emergency care services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2236), Kenya 2018

Figure 190: Percentage of facilities that have infection prevention items for general emergency services among facilities that provide this service (N=2236), Kenya 2018

I am interested in knowing if the following resources and supplies used for infection prevention and control are available in the surgical service area.

Disposable latex gloves (sterile)(q5080_7)

- Observed

Auto-disable syringes (q5080_15)

- Observed

Safety box (for sharps) (q5080_12)

- 0bserved

Soap (bar or liquid) for hand hygiene (q5080_2)

- Observed

Environmental disinfectant (e.g., chlorine, alcohol)(q5080_13)

- Observed

Does the waste receptacle for potentially infectious non-sharp waste have a functional foot pedal to open it?(q5080_9)

- Observed

Surgical/respiratory masks (q5080_16)

- Observed

Aprons (q5080_20)

- Observed

Waste receptacle bin with lid and plastic bin liner clearly marked, for example, by label or colour, for biological waste (q5080_10)

- Observed

Gowns;

Non-sterile protective gowns(q5080_18)- Observed

Sterile gowns(q5080_19)- Observed

Disposable paper towels for drying hands (q5080_5)

- Observed

Poster reminding staff about hand hygiene or showing good hand hygiene techniques (q5080_4)

- Observed

Gumboots or clogs (q5080_22)

- Observed

Hair cover (q5080_23)

- Observed

N95 face masks (q5080_17)

- Observed

Eye protection (goggles, face shields)(q5080_21)

- Observed

Mean Availability

(Disposable latex gloves (sterile)+Auto-disable syringes+Appropriate storage bin for sharps waste+Hand hygiene items+Surface disinfectant+Appropriate storage bin for infectious waste+surgical/respiratory masks+Aprons+Appropriate storage bin for biological waste+Protective gowns+Disposable paper towels for drying hands + Poster reminding staff about hand hygiene or showing good hand hygiene techniques + Gumboots or clogs + Hair cover+ N95 face masks +Eye protection (goggles, face shields)/16

Annex Table 95: Percentage of facilities that have infrastructure tracer items for general emergency care services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2236), Kenya 2018

Figure 191: Percentage of facilities that have infrastructure for general emergency services among facilities that provide this service (N=2236), Kenya 2018

First, I would like to know about infrastructure available for emergency services. For each item I ask about please indicate if this is dedicated for the emergency service area, if it is shared across the facility, or if it is not available.(q4852)

Designated triage area(q4852_3)

- Available and specific for emergency service area
- Space reported to be adequate for normal patient caseload

Designated resuscitation area(q4852_4)

- Available and specific for emergency service area
- Space reported to be adequate for normal patient caseload

Functional radio or phone for communicating between facilities and/or ambulance for transfers(q4852_5)

- Available and specific for emergency service area

Isolation room for placing patients with suspect infectious diseases such as TB or hemorrhagic fever?(q4852_1)

- Available and specific for emergency service area
- Space reported to be adequate for normal patient caseload

Is there a usable (available, functional, private) toilet for emergency service patients and visitors to use?(q4853)

- Yes, Usable, Functional, Private and proximate to unit.

OBSERVE IF HAND WASHING MATERIALS (SOAP AND RUNNING WATER) ARE BY THE TOILET(q4854)

- Yes, soap and water observed

Mean availability of items

(Designated triage area + Designated resuscitation area + isolation room for placing patients with suspected infectious diseases such as TB or haemorrhagic fever + Designated telephone or radio for communicating with other facilities or prehospital providers + Usable toilet for patients/visitors of ER with hand washing materials within 500m)/5

Annex Table 96: Percentage of facilities that offer emergency quality support services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 192. Percentage of facilities that offer emergency quality support services (N=2927), Kenya 2018

Now I want to know about the specific services that may or may not be available in the emergency service area. If you do not know about a service that I mention, please identify someone who is present today who might be more familiar with the issue. For each service I ask, please tell me if it has always been available when needed during the past 3 months, has been available, but not always the past 3 months, or is never available

FOR EACH ITEM CLARIFY IF THE SERVICES HAS ALWAYS BEEN AVAILABLE WHEN NEEDED THE PAST 3 MONTHS, SOMETIMES, BUT NOT ALWAYS BEEN AVAILABLE, OR IS NEVER AVAILABLE

Obstetric Interventions (4920)

- Always Available when needed during the past 3 months

Perform emergency vaginal delivery (4920_01)

- Always Available when needed during the past 3 months

Administer uterotonic drug (e.g., oxytocin) (4920_02)

- Always Available when needed during the past 3 months

Perform neonatal resuscitation (4920_03)

- Always Available when needed during the past 3 months

Measure vital signs in ER unit (q4905_02)

- Always Available when needed during the past 3 months

Measure vital signs in ER triage area (q4905_01)

- Always Available when needed during the past 3 months

Annex Table 97: Percentage of facilities that have tracer items for emergency quality support services among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2236), Kenya 2018

Figure 193: Percentage of facilities that have tracer items for emergency quality support services among facilities that provide this service (N=2236), Kenya 2018

Please tell me if the following basic equipment and supplies used in the provision of client services are available anywhere in the outpatient service area and are functional.(q2250)

1) Blood pressure apparatus (may be digital or manual sphygmomanometer with stethoscope)(q2250a_2& q2250b_2);

- Available- Observed
- Functioning- Yes

Thermometer (q2250a_3& q2250b_3)

- Available- Observed
- Functioning- Yes

Stethoscope (q2250a_4& q2250b_4)

- Available- Observed
- Functioning- Yes

Mean Availability of items

(Stethoscope + blood pressure apparatus + Thermometer)/3

Annex Table 98: Percentage of facilities that offer emergency airway interventions by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 194. Percentage of facilities that offer emergency airway intervention services (N=2927), Kenya 2018

Now I want to know about the specific services that may or may not be available in the emergency service area(q4910)

Use of manual maneuvers (e.g., jaw thrust, chin lift)(q4910_1)

- Always available when needed during the past 3 months.

Use of suction (q4910_2)

- Always available when needed during the past 3 months.

Placement of oral- or naso-pharyngeal airway device (q4910_3)

- Always available when needed during the past 3 months.

Placement of supraglottic device (Local Mask Airway--LMA)(q4910_4)

- Always available when needed during the past 3 months.

Endotracheal intubation (q4910_5)

- Always available when needed during the past 3 months.

Creation of surgical airway (q4910_6)

- Always available when needed during the past 3 months.

Annex Table 99: Percentage of facilities that have tracer items for emergency airway interventions among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2236), Kenya 2018

Figure 195: Percentage of facilities that have tracer items for emergency airway intervention services among facilities that provide this service (N=2236), Kenya 2018

Now I would like to ask about equipment for emergency patient examinations and for emergency treatment. For each item that I ask about, please show me the item and when relevant, tell me if it is functioning or not(q4941)

Suction apparatus (manual)(q4941_1)

- Available in emergency service area and functioning.

Suction apparatus (electronic)(q4941_2)

- Available in emergency service area and functioning.

Suction catheters (q4941_3)

- Available in emergency service area and functioning.

Cricothyroidotomy set (q4941_4)

- Available in emergency service area and functioning.

Oropharyngeal airway- adult (q4941_5)

- Available in emergency service area and functioning.

Oropharyngeal airway- paediatric (q4941_6)

- Available in emergency service area and functioning.

Supraglottic device

- Available in emergency service area and functioning.

Mean Availability

(supraglottic device + Oropharyngeal airway- paediatric + Oropharyngeal airway- adult + Cricothyroidotomy set + Suction catheters + Suction apparatus(electronic) + Suction apparatus (manual))

Annex Table 100: Percentage of facilities that offer emergency breathing interventions by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 196. Percentage of facilities that offer emergency breathing intervention services (N=2927), Kenya 2018

Now I want to know about the specific services that may or may not be available in the emergency service area.(q4911)

Measurement of pulse oximetry at triage(q4911_1)

- Always available when needed during the past 3 months

Measurement of pulse oximetry in emergency unit treatment area (q4911_2)

- Always available when needed during the past 3 months

Administration of bronchodilators for reactive airway disease (q4911_3)

- Always available when needed during the past 3 months

Administration of oxygen (q4911_4)

- Always available when needed during the past 3 months

Bag-valve-mask ventilation (q4911_5)

- Always available when needed during the past 3 months

Non-invasive mechanical ventilation such as Bilevel Positive Airway Pressure (BiPAP) or Continuous Positive Airway Pressure (CPAP) (q4911_6)

- Always available when needed during the past 3 months

Invasive mechanical ventilation (q4911_7)

- Always available when needed during the past 3 months

Perform needle decompression of tension pneumothorax (q4911_8)

- Always available when needed during the past 3 month**s**

Placement of chest tube (q4911_9)

- Always available when needed during the past 3 months

Annex Table 101: Percentage of facilities that have tracer items for emergency breathing interventions among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2236), Kenya 2018

Figure 197: Percentage of facilities that have tracer items for emergency breathing intervention services among facilities that provide this service (N=2236), Kenya 2018

Now I would like to ask about equipment for emergency patient examinations and for emergency treatment

Self-inflating bag and mask- adult (q4942_4)

- Available in emergency area and functioning

Self-inflating bag and mask- paediatric (q4942_5)

- Available in emergency area and functioning

Pulse oximeter (q4942_1)

- Available in emergency area and functioning

Oxygen;

a) Central/piped oxygen supply (q4954_1) - Available in emergency area and functioning

b) Flowmeter for oxygen source, with gradations in ml(q4954_4)- Available in emergency area and functioning

c) Humidifier (q4954_5)- Available in emergency area and functioning

Adult intubation (q4941_8)

- Available in emergency area and functioning

Chest tubes and insertion set (q4942_2)

- Available in emergency area and functioning

Paediatric intubation set (q4941_14)

- Available in emergency area and functioning

CPAP equipment (q4942_3)

- Available in emergency area and functioning

Salbutamol inhaler (q6506_2)

- At least one not expired

Mean Availability

(Self-inflating bag and mask- adult +Self-inflating bag and mask- paediatric + Pulse oximeter + Oxygen with tubing,flowmeter and humidifier + Adult intubation + Chest tubes and insertion set+ Paediatric intubation set + CPAP equipment + Salbutamol inhaler)/9

Annex Table 102: Percentage of facilities that offer emergency cardiac interventions by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 198. Percentage of facilities that offer emergency cardiac intervention services (N=2927), Kenya 2018

Now I want to know about the specific services that may or may not be available in the emergency service area. If you do not know about a service that I mention, please identify someone who is present today who might be more familiar with the issue. For each service I ask, please tell me if it has always been available when needed during the past 3 months, has been available, but not always the past 3 months, or is never available

Perform pericardiocentesis (q4914_01)

- Always available when needed during the last three months

Perform external defibrillation and/or cardioversion (q4914_02)

- Always available when needed during the last three months

Perform external cardiac pacing (q4914_03)

- Always available when needed during the last three months

Administration of adrenaline (q4914_04)

- Always available when needed during the last three months

Perform and interpret ECG (q4914_05)

- Always available when needed during the last three months

Administer aspirin for ischemia (q4914_06)

- Always available when needed during the last three months

Administration of thrombolytics for myocardial infarction (MI) (q4914_07)

- Always available when needed during the last three months

Annex Table 103: Percentage of facilities that have tracer items for emergency cardiac interventions among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2236), Kenya 2018

Figure 199: Percentage of facilities that have tracer items for emergency cardiac intervention services among facilities that provide this service (N=2236), Kenya 2018

Now I would like to see some basic surgical equipment. For each item I ask about, please tell me if it is available, and show me the item. Where relevant, also please tell me if the item is functioning today.

Defibrillator (q5113_08)

- Available, observed

External cardiac pacer pads (q4944_03)

- Available in emergency service area, observed

EKG machine (q4944_04)

- Available in emergency service area, observed

Administration of adrenaline (q4914_04)

- Always available when needed during the past three months

Administer aspirin for ischemia (q4914_06)

- Always available when needed during the past three months

Other/general medicines; Streptokinase injection (q6525_46)

- Available, at least one not expired

Mean availability of items

(Defibrillator + External cardiac pacer pads + EKG machine + adrenaline + aspirin + Streptokinase injection)/6

Annex Table 104: Percentage of facilities that offer emergency control of bleeding interventions by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 200. Percentage of facilities that offer emergency control of bleeding intervention services (N=2927), Kenya 20188

External control of haemorrhage (q4913_01)

- Always available when needed during the past three months

Perform packing and/or suture control (q4913_02)

- Always available when needed during the past three months

Apply arterial tourniquet (q4913_03)

- Always available when needed during the past three months

Apply pelvic binding or sheeting (q4913_04)

- Always available when needed during the past three months

Ability to perform safe transfusion (including protocols for appropriate ratios for massive transfusion) (q4913_05)

- Always available when needed during the past three months

Perform and interpret point of care ultrasound (q4913_06)

- Always available when needed during the past three months

Annex Table 105: Percentage of facilities that have tracer items for emergency control of bleeding interventions among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2236), Kenya 2018

Figure 201: Percentage of facilities that have tracer items for emergency control of bleeding intervention services among facilities that provide this service (N=2236), Kenya 2018

Now I would like to see some basic surgical equipment. For each item I ask about, please tell me if it is available, and show me the item. Where relevant, also please tell me if the item is functioning today.

Tourniquet (q5113_20)

- Available, observed

Annex Table 106: Percentage of facilities that offer emergency volume resuscitation interventions by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 202. Percentage of facilities that offer emergency volume resuscitation intervention services (N=2927), Kenya 2018

Administer oral rehydration (q4912_01)

- Always available when needed during the past three months

Place peripheral IV access (q4912_02)

- Always available when needed during the past three months

Establish intraosseous access (q4912_03)

- Always available when needed during the past three months

Perform venous cut down (q4912_04)

- Always available when needed during the past three months

Establish central venous access (q4912_05)

- Always available when needed during the past three months

Administration of IV fluids (q4912_06)

- Always available when needed during the past three months

Adjust fluid resuscitation for malnutrition or severe anaemia (q4912_07)

- Always available when needed during the past three months

Place urinary catheter (q4912_08)

- Always available when needed during the past three months

Annex Table 107: Percentage of facilities that have tracer items for emergency volume resuscitation interventions among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2236), Kenya 2018

Figure 203: Percentage of facilities that have tracer items for emergency volume resuscitation intervention services among facilities that provide this service (N=2236), Kenya 2018

Oral rehydration salts

Other/general medicines; Oral Rehydration Salts (q6525a_32)

- Observed, at least one not expired

Intravenous solution with infusion set [Normal saline or Ringers Lactate, and Dextrose 5%]

Please tell me if any of the following drugs are available in the delivery service area. If the drug is available, I would like to see it.

Intravenous infusion set (q4571a_05)

- Observed, at least one not expired

Dextrose and water 5% (D5W) intravenous solution (q4571a_06)

- Observed, at least one not expired

Sodium Chloride (.09NS) intravenous solution (q4571a_07)

- Observed, at least one not expired

Other plasma expander such as Ringers Lactate (RL) (q4571a_08)

- Observed, at least one not expired

Consumable supplies for services; Intravenous infusion set (q6500a_04)

- Observed, at least one not expired

Intravenous fluids; Dextrose 5% and water (D5W) (q6541a_4)

- Observed, at least one not expired

Intravenous fluids; 0.09% Sodium chloride (normal saline) (0.09NS)(q6541a_1)

- Observed, at least one not expired

Intravenous fluids; Sodium lactate (Ringers) (RL) (q6541a_3)

- Observed, at least one not expired

Urinary catheter

Place urinary catheter (q4912_08)

- Always available when needed during the past three months

Device for intraosseous injection

Device for intraosseous access (q6503_7)

- Observed, at least one not expired

Mean availability of items

(Device for intraosseous injection + Urinary catheter + Intravenous solution with infusion set [Normal saline or Ringers Lactate, and Dextrose 5%] + Oral rehydration salts)/4

Annex Table 108: Percentage of facilities that offer emergency injury specific interventions by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 204. Percentage of facilities that offer emergency injury specific intervention services (N=2927), Kenya 2018

Immobilize the cervical spine (q4919_01)

- Always available when needed during the past three months

Apply three-way dressing for sucking chest wound (q4919_02)

- Always available when needed during the past three months

Perform fasciotomy or escharotomy for compartment syndrome (q4919_03)

- Always available when needed during the past three months

Administer opiate analgesia (q4919_04)

- Always available when needed during the past three months

Immobilize fractures (q4919_05)

- Always available when needed during the past three months

Perform closed reduction of fracture or dislocation (q4919_06)

- Always available when needed during the past three months

Administer antibiotics for open fracture (q4919_07)

- Always available when needed during the past three months

Perform appropriate initial wound care (q4919_08)

- Always available when needed during the past three months

Administer tetanus vaccination or IVIG as appropriate (q4919_09)

- Always available when needed during the past three months

Administer rabies vaccine or IVIG as appropriate (q4919_10)

- Always available when needed during the past three months

Annex Table 109: Percentage of facilities that have tracer items for emergency injury specific interventions among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2236), Kenya 2018

Figure 205: Percentage of facilities that have tracer items for emergency injury specific intervention services among facilities that provide this service (N=xx), Kenya 2018

Splints for extremities, Material for cast

Consumable supplies for services

Material for cast (q6500a_17)

- Observed, at least one not expired

Material for casts (q6500a_18)

- Observed, at least one not expired

Cervical collar

Items processed for reuse; Cervical collar (q6503_09)

- Observed, at least one not expired

Tetanus vaccine

Administer tetanus vaccination or IVIG as appropriate (q4919_09)

- Always available when needed during the past three months

Morphine or other opiate for pain

Opioid (e.g., morphine) (q4928_08)

- Observed available, at least one not expired

Rabies vaccine

Rabies vaccine (q4166_12)

- Observed, at least one not expired

Mean availability of items

(Rabies vaccine + Morphine or other opiate for pain + Tetanus vaccine + Cervical collar + Splints for extremities, Material for cast)/5

Annex Table 110: Percentage of facilities that offer emergency sepsis interventions by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 206. Percentage of facilities that offer emergency sepsis intervention services (N=2927), Kenya 2018

Administration of IV antibiotics (q4918_01)

- Always available when needed during the past three months

Administration of IV vasopressors (q4918_02)

- Always available when needed during the past three months

Perform diagnostic paracentesis (q4918_03)

- Always available when needed during the past three months

Bedside minor surgical techniques for source control (e.g., abscess) (q4918_04)

- Always available when needed during the past three months

Annex Table 111: Percentage of facilities that have tracer items for emergency sepsis interventions among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2236), Kenya 2018

Figure 207: Percentage of facilities that have tracer items for emergency sepsis intervention services among facilities that provide this service (N=2236), Kenya 2018

Antibiotics for sepsis

Administration of IV antibiotics (q4918_01)

- Always available when needed during the past three months

Vasopressor (dopamine)

Administration o11f IV vasopressors (q4918_02)

- Always available when needed during the past three months

Mean availability of items

(Vasopressor (dopamine) + Antibiotics for sepsis)/2

Annex Table 112: Percentage of facilities that offer emergency seizure interventions by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 208. Percentage of facilities that offer emergency seizure intervention services (N=2927), Kenya 2018

Protect from secondary injury (q4916_01)

- Always available when needed during the past three months

Administer benzodiazepine (q4916_02)

- Always available when needed during the past three months

Administer IV magnesium for pregnant patient (q4916_03)

- Always available when needed during the past three months

Administer locally appropriate antidote for narcotic overdose (q4916_04)

- Always available when needed during the past three months

Annex Table 113: Percentage of facilities that offer emergency unconscious patient interventions by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 209. Percentage of facilities that offer emergency unconscious patient intervention services (N=2927), Kenya 2018

Check glucose level (q4915_01)

- Always available when needed during the past three months

Administer glucose for hypoglycemia (q4915_02)

- Always available when needed during the past three months

Administer insulin for hyperglycemia (q4915_03)

- Always available when needed during the past three months

Perform lumbar puncture (q4915_04)

- Always available when needed during the past three months

Annex Table 114: Percentage of facilities that have tracer items for emergency unconscious patient interventions among facilities that provide this service by county, facility type, managing authority, and urban vs. rural location (N=2236), Kenya 2018

Figure 210: Percentage of facilities that have tracer items for emergency unconscious patient intervention services among facilities that provide this service (N=2236), Kenya 2018

Lumbar puncture kit

Lumbar puncture kit (q6503_01)

- Observed, at least one not expired

Glucose 50%

Glucose 50% injection (q4927_02)

- Observed available, at least one not expired

Medications for agitations (diazepam injection)

Other/general medicines; Diazepam injection (q6525_10)

- Observed, at least one not expired

Magnesium sulphate

Magnesium sulphate injection (q6535_03)

- Observed, at least one not expired

Benzodiazepine

Other drugs; Benzodiazepine (q4928_03)

- Observed available, at least one not expired

Insulin

Insulin injection-regular (q6515_03)

- Observed, at least one not expired

Insulin injection- other than regular (q6515_04)

- Observed, at least one not expired

Antidote for opiate overdose

Administer opiate analgesia (q4919_04)

- Always available when needed during the past three months

Mean availability of items

(Antidote for opiate overdose + Insulin + Benzodiazepine + Magnesium sulphate + Medications for agitations (diazepam injection) + Glucose 50% + Lumbar puncture kit)/7

Annex Table 115: Percentage of facilities that offer emergency other interventions by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Perform mental status examination (q4917_01)

- Always available when needed during the past three months

Management of extreme temperatures (q4917_02)

- Always available when needed during the past three months

Ability to provide physical restraints (q4917_03)

- Always available when needed during the past three months

Administer appropriate therapeutics for agitation (q4917_04)

- Always available when needed during the past three months

Perform procedural sedation (q4917_05)

- Always available when needed during the past three months

Annex Table 116: Percentage of facilities that offer voluntary medical male circumcision services by county, facility type, managing authority, and urban vs. rural location (N=2927), Kenya 2018

Figure 211. Percentage of facilities that offer VMCC services (N=2927), Kenya 2018

VMCC services

Male circumcision

Please tell me if this facility provides the following services:

Male circumcision (q5001_08)

- Yes; In patient, outpatient, both inpatient and outpatient

Figure 213. Percentage of facilities that have tracer medicines available (N=2927), Kenya 2018

Annex Table 117: Percentage

Annex Table 118: Percentage

Annex Table 119: Percentage

Annex Table 120: Percentage

Annex Table 121: Availability of advanced diagnostic services amongst hospitals by county, facility type, managing authority, and urban vs. rural location (N=411), Kenya 2018

Figure 227. Percentage of hospitals that offer advanced diagnostic services (N=411), Kenya 2018 Laboratory capacity.

Laboratory capacity.

Serum electrolytes

Now I would like to know if the following tests are available either onsite at any location in this facility or if specimens are sent offsite for the test to be conducted. If the test in conducted onsite, I will ask you about the availability and functionality of the associated equipment and supplies.

Blood chemistry analyser (q6302b_2)

- Yes reported, functional/valid

Assay kit- serum electrolytes (q6302b_5)

- Yes reported, functional/valid

Full blood count with differential

Now I would like to know if the following tests are available either onsite at any location in this facility or if specimens are sent offsite for the test to be conducted. If the test in conducted onsite, I will ask you about the availability and functionality of the associated equipment and supplies.

Haematology analyser (q6301b_2)

- Yes reported, functional/valid

Stains for full blood count and differential (q6301b_4)

- Yes reported, functional/valid

White blood counting chamber (q6301b_5)

- Yes reported, functional/valid

Blood typing and crossmatch

- Yes reported, functional/valid

HIV antibody testing (ELISA)

EIA/ELISA washer (q6303b_2)

- Yes reported, functional/valid

EIA/ELISA reader (q6303b_3)

- Yes reported, functional/valid

Assay kit- HIV antibody testing by EIA/ELISA (q6303b_4)

- Yes reported, functional/valid

Centrifuge for plasma and urine separation (q6282b_4)

- Not observed, reported functional and valid

Syphilis serology

Incubator (37 degrees C) (q6282b_5)

- Not observed, reported functional and valid

Rocker/shaker (q6282b_8)

- Not observed, reported functional and valid

Other non-trepenomal blood tests for syphilis (q6306a_1)

- Yes onsite

Assay kit- syphilis serology (RPR) (q6306a_2)

- Yes onsite

VDRL test kit (q6306b_3)

- Observed, functional/valid

Cryptococcal antigen

Cryptococcal antigen testing (q6311a_1)

- Yes onsite

Specific assay kit – cryptococal antigen test (q6311b_2)

- Observed, functional/valid

Gram stain

I would like to know if the following equipment items are available and, if relevant, functional today in this facility.

Light microscope (q6282a_1)

- Observed available, functional

Glass slides (q6282a_2)

- Observed available, functional

Cover slips for glass slides (q6282a_3)

- Observed available, functional

Gram stain testing (q6312a_1)

- Yes onsite

Stains for gram stain testing (q6312a_2)

- Yes onsite

Urine microscopy testing

I would like to know if the following equipment items are available and, if relevant, functional today in this facility.

Light microscope (q6282a_1)

- Observed available, functional

Glass slides (q6282a_2)

- Observed available, functional

Cover slips for glass slides (q6282a_3)

- Observed available, functional

Urine microscopy (q6308b_3)

- Yes observed functional/valid

CSF/body fluid counts

I would like to know if the following equipment items are available and, if relevant, functional today in this facility.

Light microscope (q6282a_1)

- Observed available, functional

CSF body fluid counts (q6310a)

- Yes onsite

CD4 count or viral load test

- Yes

Renal function test

Blood chemistry analyser (q6302b_2)

- Yes observed functional/valid

Assay kit(s)- renal function test including creatinine and urea nitrogen (q6302b_4)

- Yes observed functional/valid

Liver function test

Blood chemistry analyser (q6302b_2)

- Yes observed functional/valid

Assay kit(s)- liver function test including ALT (q6302b_3)

- Yes observed functional/valid

Diagnostics domain score

(CSF/body fluid counts + Urine microscopy testing + Gram stain + Cryptococcal antigen + Syphilis serology + HIV antibody testing (ELISA) + Blood typing and crossmatch + Full blood count with differential + Serum electrolytes + Liver function test + Renal function test)/12

Annex Table 122: High level diagnostic equipment availability amongst hospitals by county, facility type, managing authority and urban vs. rural location (N=411), Kenya 2018

Figure 228. Percentage of hospitals that have high level diagnostic equipment available (N=411), Kenya 2018

X-ray

X-ray (q4985b_1)

- Equipment available and functioning today

ECG

Electrocardiogram (ECG) (q4981b_1)

- Equipment available and functioning today

Ultrasound

Ultrasound (q4981b_2)

- Equipment available and functioning today

CT scan

CT scan (q4985b_3)

- Equipment available and functioning today

High level diagnostic equipment domain score

(CT scan + Ultrasound + ECG + X-ray)/4

Annex Table 123: Management

Annex Table 124: Management

Annex Table 125: Management

Annex Table 126: Management systems to support facility functionality, efficiency, and accountability indicators by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

Figure 248: Percentage of facilities with management systems to support facility functionality, efficiency, and accountability (N=2927), Kenya 2018

Does this facility have a core management team that is responsible for oversight of the day-to-day functioning of the facility? (q7007)

- Yes they address day to day management issues

Is the core management team structured as per the norms and standards? (k7007)

- Yes

Does this facility have any formal systems for linking with community health workers? (q7040)

- Yes

Are there any written notes or minutes from the most recent management committee meeting? (q7010)

- Yes observed

Is there any routine system for including community representation for some aspects of the management team work? By routine system, I mean community participation is sought for either all or only specified meetings of the management team or community meetings are held at set intervals. (q7008)

- Yes always

When was the most recent committee/board meeting? (q7009)

- Within past 1 month

How many linked community units are functional?

- Functional unit present

Figure 250: Percentage of facilities with systems to improve accountability (N=2927), Kenya 2018

1) Information from patient surveys such as client satisfaction survey (q7071_05)

- Documentation observed. Current within the past complete reporting month

2) Other information source routinely reviewed (q7071_13)

- Documentation observed. Current within the past complete reporting month

Annex Table 127

Annex Table 128: Facility-level external supervision for management indicators by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

Figure 252: Percentage of facilities with facility-level external supervision (N=2927), Kenya 2018

Facility receives any external supervision supervision such as from sub county, county or national offices

Does this facility receive any external supervision, such as from sub-county, County or national offices? (q7057)

- Yes

Facility submits any reports externally, that are to an office outside the facility

Does this facility submit any reports externally, that are to an office outside the facility? (q8100)

- Yes

Facility received external supervision visit within the past three months

When was the last time a supervisor from outside this facility came here on a supportive supervisory visit? Was

it within the past month, the past 2-3 months, or longer than 3 months ago? (q7058)

- Within the past 2-3 months

Facility has documentation from external supervisory visit during the past three months

Is there any documentation from external supervisory visits during the past 3 months? (q7060)

- Yes observed

Annex Table 129

Annex Table 130: Pharmaceutical commodity reporting systems indicators among facilities that stock pharmaceutical commodities by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

Figure 255: Percentage of facilities with pharmaceutical commodity reporting system indicators among facilities that stock pharmaceutical commodities (N=2505*), Kenya 2018

Does the pharmacy have documentation for any of the following? These may be registers/stock cards or any other type of documentation that achieves the objectives.(q7630)

IF YES, ASK TO SEE THE DOCUMENTATION

Record that shows individual pharmacy commodities received, disbursed, and balance.THIS IS USUALLY A REGISTER OR STOCK /BIN CARD(q7630_1)

- Yes, observed.

Record that shows expired/unusable drugs being removed from inventory

THIS MAY BE IN THE SAME RECORD FOR STOCK RECEIVED AND DISBURSED? (q7630_2)

- Yes, observed.

Yellow PPB form (Register or report form where adverse reactions are recorded)?(q7630_3)

- Yes, observed

Pink PPB form (for recording substandard quality stock(q7630_4)

- Yes, observed

Annex Table 131: Infection prevention and control monitoring system indicators by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

Figure 257: Percentage of facilities with infection prevention and control monitoring indicators (N=2927), Kenya 2018

Does this facility have Infection Prevention and Control guidelines? (q7201)

- Yes observed

Technical IPC committee (q7202_01)

- Yes

Dedicated (full-time) IPC staff (q7202_02)

- Yes

Multidisciplinary meetings where IPC results are reported/reviewed (q7202_03)

- Yes

Have any of the persons responsible for infection prevention and control (IPC) been trained in a certified infection prevention and control course? (q7210)

- Yes, All

Does this facility have guidelines or protocols for cleaning the facility such as the floors, counters, and beds? (q7220)

- Yes observed

Annex Table 132: System for maintenance and repair of infrastructure indicators by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

Figure 260: Percentage of facilities with system for maintenance and repair of infrastructure indicators (N=2927), Kenya 2018

Is preventive and corrective maintenance ever carried out for any of the systems such as electrical, water, sanitation, sewerage or ventilation? By preventive and corrective maintenance, I mean the service is carried out even when there is no problem with the system.(q7810)

- Yes

For each of the systems I ask about, please tell me if preventive and corrective maintenance is carried out routinely, sometimes, but not routine, or never(q7812)

Electric system(q7812_1) - Routinely

Water system(q7812_2) - Routinely

Sanitation and sewage system(s)(q7812_3) - Routinely

Ventilation system (q7812_4) - Routinely

Medical gasses (e.g., oxygen) systems(q7812_5) - Routinely

Communications systems (loudspeakers)(q7812_6) - Routinely

Firefighting systems (e.g. Fire extinguishers)(q7812_7) - Routinely

Air conditioning system(q7812_8) - Routinely

Internet (q7812_9) - Routinely

ICT (information technology such as computers) equipment(q7812_10)Routinely

Does this facility follow routine preventive maintenance for any of the equipment related to infrastructure?(q7812)

if yes ask for each of the following types of equipment. if the facility does not have the equipment, mark "not applicable".

Generator (q7821_1) - Routinely

Solar power system (q7821_2) - Routinely

Water pump (q7821_3) - Routinely

Incinerator (q7821_4) - Routinely

Autoclave (q7821_5) - Routinely

Dry heat sterilizing equipment (q7821_6) - Routinely

Does this facility follow a routine maintenance schedule for any vehicles? By routine maintenance I mean the maintenance is carried out on a fixed schedule regardless of whether there is a problem or not.(q7800)

- Yes, routinely

Annex Table 133: System for maintenance and repair of equipment indicators by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

Figure 262: Percentage of facilities with system for maintenance and repair of equipment indicators (N=2927), Kenya 2018

Is there a contract for maintenance and/or repair for any laboratory machines?(q7841)

- Yes

Does this facility have a system for routine inspection and maintenance for small medical equipment such as stethoscopes, sphygmomanometers, and suction machines?(q7832)

- Yes, all key equipments or Yes, Some equipment.

Is there a schedule for inspection, testing and preventive maintenance for any medical equipment as guided by the manufacturer's recommendations?(q7830)

- Yes, observed schedule

Oxygen equipment (q7831_1) - Routinely

X-ray machine (q7821_2) - Routinely

CAT scan (q7831_3) - Routinely

Ultrasound (q7831_4) - Routinely

Ventilators (q7831_5) - Routinely

Cold chain equipment (e.g., fridges)(q7831_6) - Routinely

Annex Table 134: Systems for ensuring quality of routine data indicators by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

Figure 263: Percentage of facilities with systems for ensuring quality of routine data (N=2927), Kenya 2018

Is there any routine and systematic process within the facility for checking the quality of data compiled for reports?(q8115)

- Yes

Is there data improvement team?(q8115A)

- Yes

Are there Data quality improvement plans?(q8115B)

- Yes

Is there a written policy for data quality checking or written guideline for how to carry out data quality checking?(q8116)

- Yes, observed.

Does this facility have a designated person, such as a Health Information officer who is dedicated full time with responsibility for recording or collating health services data in this facility? (q8130)

- Yes

Annex Table 135: Evidence of use of service information and data for planning and management indicators by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

Figure 265: Percentage of facilities with evidence of use of service information and data for planning and management (N=2927), Kenya 2018

At the facility level, is there a routine process for performance review based on data on facility services, outcomes, or patient feedback?(q7070)

- Yes, observed

if yes, ask to see any documentation that indicates review/discussion relevant to the topic mentioned and check the most recent date for which the information is available

Information from routine HMIS reports (e.g., numbers of patients, numbers by diagnoses, etc.)(q7071_1)

- Current within the past complete reporting month

Information from special reports such as quality indicators(q7071_2)

- Current within the past complete reporting month

Information on mortality(q7071_3)

- Current within the past complete reporting month

Information on morbidity(q7071_4)

- Current within the past complete reporting month

Information from patient surveys such as client satisfaction survey(q7071_5)

- Current within the past complete reporting month

Information from staff surveys such as employee satisfaction surveys (q7071_6)

- Current within the past complete reporting month

Workload (q7071_7)

- Current within the past complete reporting month

Any tables or reports that present immunization data (q7071_8)

- Current within the past complete reporting month

Annex Table 136: Systems for monitoring indicators of quality of inpatient care indicators among hospitals with inpatient services by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

Figure 267: Percentage of hospitals with systems for monitoring indicators of quality of inpatient care among hospitals with inpatient services (N = 392), Kenya 2018

Does this facility routinely carry out formal case reviews for patients who have not died, where individual patient management is reviewed for quality and potential for improved case management?(q9731)

- Yes

Does this facility conduct death reviews for some proportion of deaths? (q9734)

- Yes

Does this facility have a system for identifying and monitoring adverse events, such as patient falls or infections? (q9740)

- Yes

Are Health Care Associated Infections (HCAI)—often referred to as nosocomial infections reportable adverse events? (q9742)

- Yes

Annex Table 137: Monitoring of case fatality rate indicators among hospitals with inpatient services by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

Figure 269: Percentage of hospitals monitoring case fatality rates (N=392), Kenya 2018

Does this facility monitor case fatality rates for any specific diagnoses?(q9904)

- Yes

Case fatalities for Lower tract respiratory infections?(9904_1)

- Yes

Case fatalities for Malaria?(q9904_2)

- Yes

Case fatalities for Tuberculosis (q9904_3)

- Yes

Case fatalities for cancer (q9904_4)

- Yes

Case fatalities for HIV infected patients (q9904_5)

- Yes

Annex Table 138: Facility monitoring of inpatient cases indicators among hospitals with inpatient services by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

Figure 271: Percentage of hospitals with systems for monitoring indicators of quality of inpatient care, Kenya 2018

Does this facility monitor admissions for conditions where quality outpatient follow-up can reduce the need for hospitalization (avoidable hospital admissions) for any conditions?(q9903)

- Yes

Does this facility monitor unplanned and unexpected hospital readmissions for any conditions?(q9902)

- Yes

Does this facility monitor deaths within 30 days of admission for any identified diagnoses?(q9901)

- Yes

Annex Table 139: Guidelines for adverse event reporting indicators amongst hospitals with inpatient services by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

Figure 272: Percentage of hospitals with guidelines for adverse event reporting among hospitals with inpatient services (N=392), Kenya 2018

Ask the respondent to show where in the document the following information described?(q9812)

When and how to submit reports of adverse events (q9812_3)

- Yes, documentation observed

Review process for compiled reports on adverse events that includes recommendations for actions to address problems (q9812_4)

- Yes, documentation observed

Notes or reports that show evidence of review and plan of action for the reports?(q9812_5)

- Yes, documentation observed

Annex Table 140: Use of unique patient identifiers indicators by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

Figure 274: Percentage of facilities using unique patient identifiers (N = 2927), Kenya 2018

Does this facility use unique patient ID numbers for any patients, that is, whenever the patient receives the services in this facility the same identification number is used for that person?(q8015)

- Yes, both out and inpatient

Does this facility utilize a standardized set of forms or electronic data entry screens to comprise a complete medical record for each patient?(q8018)

- Yes, both out and inpatient

Is the same unique patient ID used for the same patient over multiple years (k8017)

- Yes

Has there been a stockout of the official patient medical record in the past 6 months?(q8021)

- No

Annex Table 141: Accountability for user fees indicators by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

Figure 276: Percentage of facilities with user fees for outpatient and inpatient services, Kenya 2018

Does this facility charge user fees for any outpatient services?(q8911)

- Yes

Are the user fees for outpatient services posted anywhere so that patients can see them (q8912?)

- Yes, observed

Does this facility charge user fees for any inpatient services?(q8913)

- Yes

Are the user fees for inpatient services posted anywhere so that patients can see them? (q8914)

- Yes, observed

Annex Table 142: Financial accountability indicators by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

Figure 279: Percentage of facilities with budgeted work plans and external audits of facility accounts, Kenya 2018

Does this facility have a budgeted annual work plan (AWP)? (2018/19)(k8811A)

- Yes, observed

Does this facility receive an annual external audit of facility accounts?(q8800)

- Yes

Annex Table 143: Health insurance coverage for inpatients amongst facilities with inpatient services who agreed to provide financial information by county, facility type, managing authority, and urban vs. rural

location, Kenya 2018

Figure 281: Percentage of facilities with inpatient services where inpatients have health insurance (N=594), Kenya 2018

What percentage of patients who receive inpatient services in this facility have any type of health insurance?(q8835)

- 1-25%
- 26-50%
- 51-75%
- 76-99%
- 100

Annex Table 144: Health insurance coverage for outpatients amongst facilities with outpatient services who agreed to provide financial information by county, facility type, managing authority, and urban vs. rural location, Kenya 2018

Figure 282: Percentage of facilities with inpatient services where inpatients have health insurance (N=1038), Kenya 2018

What percentage of patients who receive outpatient services in this facility have any type of health insurance?(q8836)

- 1-25%
- 26-50%
- 51-75%
- 76-99%
- 100%

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