



MINISTRY OF HEALTH

DATA AS REPORTED BY 1700 HOURS 23 October 2022

COVID-19 OUTBREAK IN KENYA

DAILY SITUATION REPORT – 950

1. KEY HIGHLIGHTS

- Thirty-five (35)** new confirmed COVID-19 cases were reported in the last 24 hours bringing the total number of confirmed cases in Kenya to **338,784 cases** as of **23rd October 2022**. The counties reporting new cases are **Nairobi (34)** and **Kiambu (1)**.
- Zero (0) deaths have been reported in the last 24 hours**. The total number of cumulative deaths reported since the beginning of the outbreak is **5678**, **case fatality rate (CFR) is 1.7%**
- All **47 counties** have cumulatively reported cases as follows: Nairobi (140,250), Kiambu (21,230), Mombasa (18,232), Nakuru (17,614), Uasin Gishu (10,865), Kisumu (7,956), Machakos (7,710), Kajiado (7,687), Kilifi (7,406), Siaya (7,127), Busia (6,623), Nyeri (6,190), Kericho (5,964), Kitui (5,248), Murang'a (4,654), Kakamega (4,253), Meru (4,142), Kisii (3,762), Bungoma (3,382), Migori (3,363), Laikipia (3,306), Makueni (3,102), Nyandarua (3,032), Garissa (2,758), Turkana (2,728), Embu (2,689), Trans Nzoia (2,443), Nandi (2,361), Kirinyaga (2,322), Homa Bay (2,157), Nyamira (2,116), Taita Taveta (2,060), Baringo (1,697), Bomet (1,692), Narok (1,395), Kwale (1,369), Tharaka Nithi (1,256), Vihiga (1,097), Marsabit (997), West Pokot (892), Lamu (779), Isiolo (776), Elgeyo Marakwet (532), Tana River (469), Mandera (468), Samburu (328), and Wajir (300).
- In epi-week **41, 2022**, **Nairobi City** and **Mombasa** Counties had the highest attack rates of COVID-19 at **1.52** and **0.66** per **100,000** population respectively when compared to the national attack rate of **0.20/100,000** for the same epi-week.
- In the last 24 hours, **890 samples** were tested across various laboratories of which **thirty-five (35)** samples turned positive for COVID-19, a positivity rate of **3.9%**. Cumulatively, **3,911,437 tests** have been conducted.
- In the last 24 hours, **29** COVID-19 patients (**Health Facility: 0, HBIC: 29**) recovered and were discharged, bringing the total number of recoveries and discharges to **332,860** (**Facility: 53,619, HBIC: 279,241**).



1.1 Epidemiology

Since 13th March 2020 when the first case was confirmed in Kenya, a total of **338,784** confirmed cases and **5,678** deaths (CFR **1.7%**) have been line-listed. **Figure 1 and 2** below shows trends of cases and deaths for the last one year.

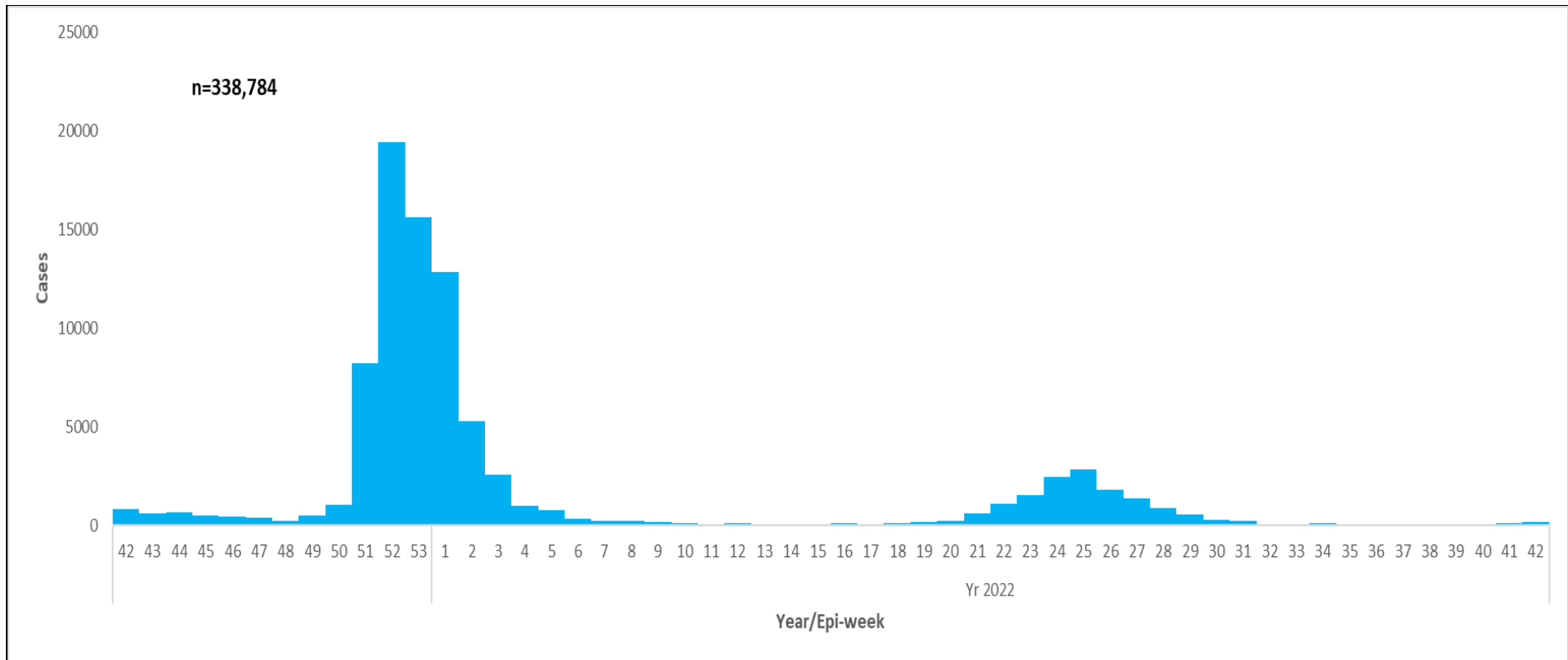


Figure 1: Trends of COVID-19 outbreak in Kenya in the last one year

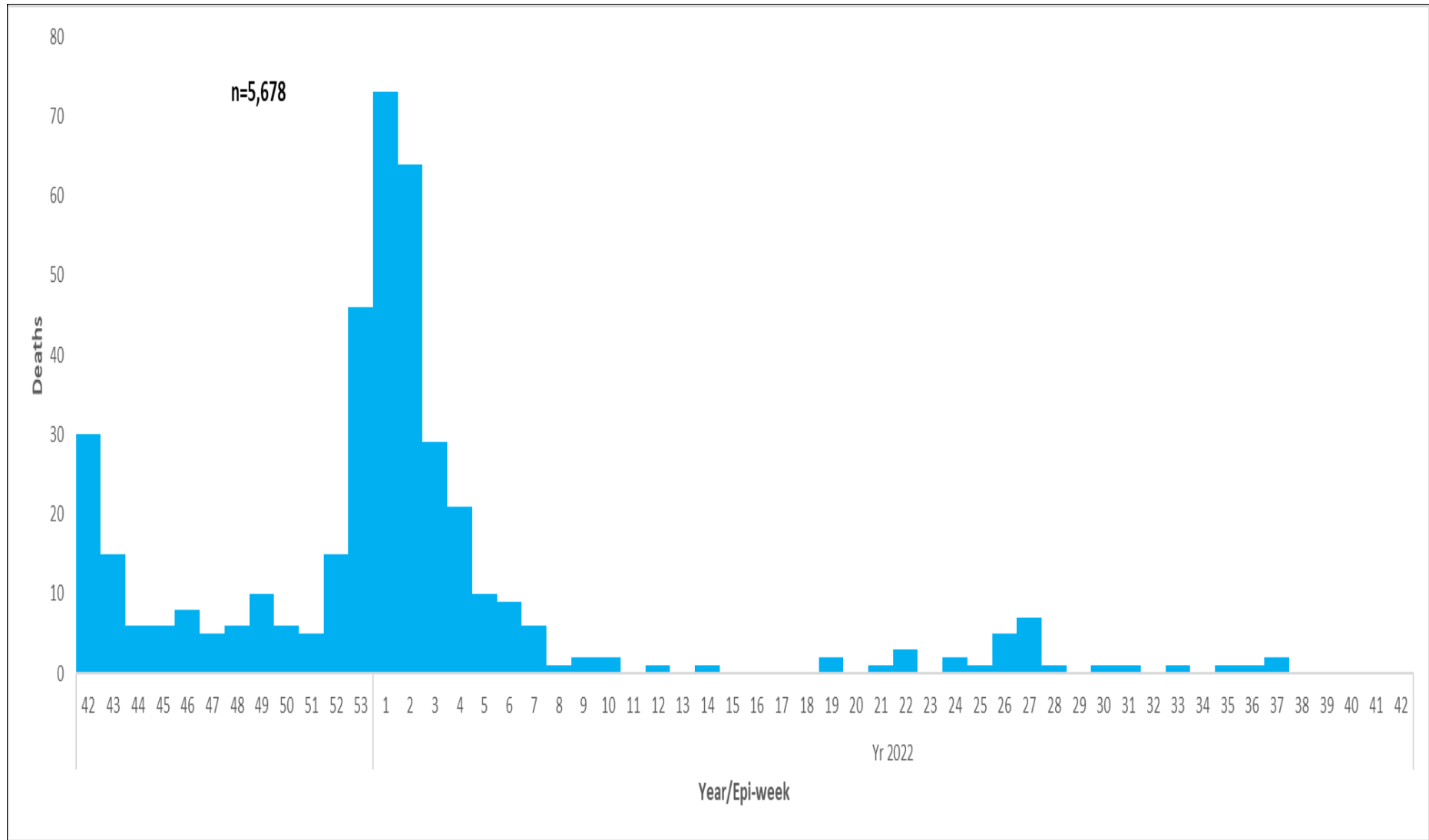


Figure 2: Trends of COVID-19 deaths in Kenya in the last one year

1.2 Laboratory testing

WHO recommends that one of the indicators that the pandemic is under control, is when < 5% of samples tested are positive for COVID-19 for the past 2 weeks, assuming that surveillance for suspected cases is comprehensive and the testing rate of suspect cases, is optimum at least 1/1000 population/week. The laboratory test rate currently stands at **82234.7** samples per 1,000,000 people. Figure 3 shows the weekly testing rate/1000 population/week for the last year.

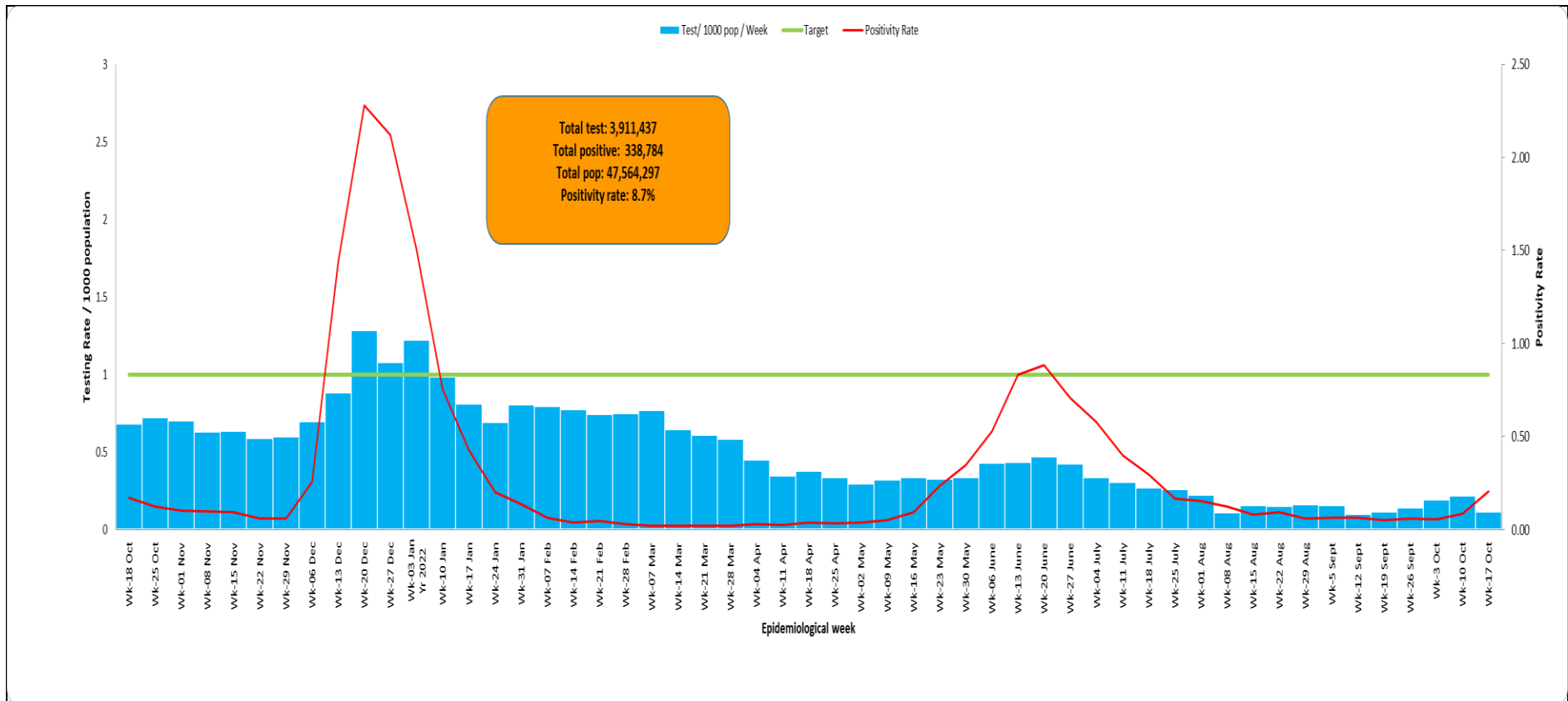


Figure 3: Laboratory Tests Conducted by Date Results were Shared

1.3 Age and Sex Distribution of COVID Confirmed Cases and Deaths

A total of **190,634 (56%)** of the cumulative cases are males, while **148,149 (44%)** are females. Most cases, **87,327 (26%)** are in the age group of **30-39 years**. Of the **5678** cumulative deaths, **3,611 (64%)** are males and **2,067 (36%)** are females.

Figure 4 below shows the age and sex distribution of COVID-19 cases by the outcome.

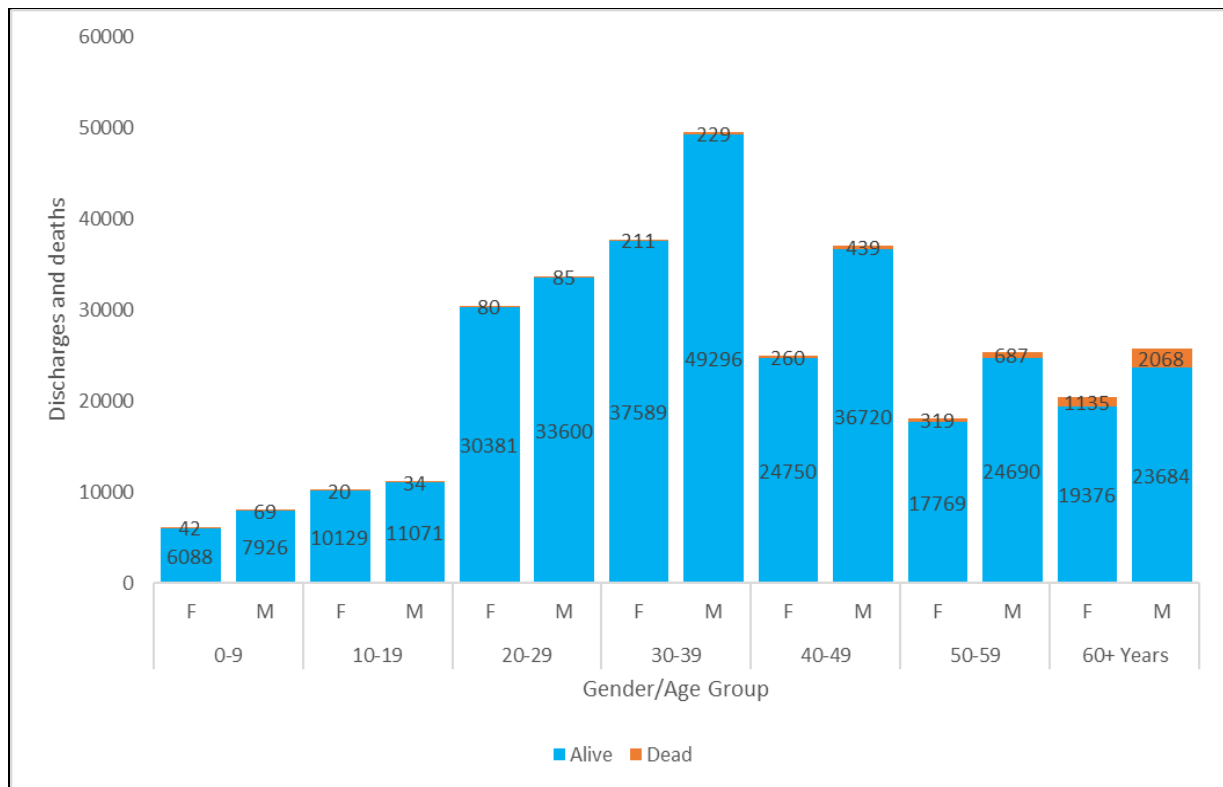


Figure 4: Age and Sex Distribution of COVID-19 Cases by the outcome in Kenya

1.4 Distribution of Confirmed COVID-19 Cases and Deaths by County of Diagnosis

Of the **338,784** cumulative cases, **140,250 (41.4%)** are from **Nairobi** County, followed by **Kiambu** County with **21,230 (6.3%)**, while **Wajir** County has recorded the lowest number of cases, **300 (0.09%)** as shown in Table 1.

Table 1: Distribution of confirmed COVID-19 Cases and deaths by County of Diagnosis

County	Population	Covid-19 Cases	Attack Rates	Deaths	CFR
Nairobi	4397073	140250	3189.62	1558	1.11
Kiambu	2417735	21230	878.09	552	2.60
Mombasa	1208333	18232	1508.86	337	1.85

County	Population	Covid-19 Cases	Attack Rates	Deaths	CFR
Nakuru	2162202	17614	814.63	541	3.07
Uasin Gishu	1163186	10862	933.81	243	2.24
Kisumu	1155574	7956	688.49	85	1.07
Machakos	1421932	7710	542.22	194	2.52
Kajiado	1117840	7687	687.67	77	1.00
Kilifi	1453787	7408	509.57	35	0.47
Siaya	993183	7127	717.59	120	1.68
Busia	893681	6623	741.09	53	0.80
Nyeri	759164	6190	815.37	176	2.84
Kericho	901777	5964	661.36	68	1.14
Kitui	1136187	5248	461.90	111	2.12
Murang'a	1056640	4652	440.26	230	4.94
Kakamega	1867579	4253	227.73	119	2.80
Meru	1545714	4142	267.97	114	2.75
Kisii	1266860	3762	296.95	112	2.98
Bungoma	1670570	3382	202.45	5	0.15
Migori	1116436	3363	301.23	62	1.84
Laikipia	518560	3306	637.53	26	0.79
Makueni	987653	3102	314.08	101	3.26
Nyandarua	638289	3032	475.02	67	2.21
Garissa	841353	2758	327.81	98	3.55
Turkana	926976	2728	294.29	24	0.88
Embu	608599	2689	441.83	62	2.31
Trans Nzoia	990341	2443	246.68	9	0.37
Nandi	885711	2361	266.57	34	1.44
Kirinyaga	610411	2322	380.40	76	3.27
Homa Bay	1131950	2156	190.47	100	4.64
Nyamira	605576	2116	349.42	18	0.85
Taita Taveta	340671	2060	604.69	42	2.04
Baringo	666763	1697	254.51	14	0.82
Bomet	875689	1692	193.22	29	1.71
Narok	1157873	1395	120.48	24	1.72
Kwale	866820	1369	157.93	11	0.80
Tharaka Nithi	393177	1256	319.45	8	0.64
Vihiga	590013	1097	185.93	30	2.73
Marsabit	459785	997	216.84	2	0.20
West Pokot	621241	892	143.58	1	0.11
Lamu	143920	779	541.27	13	1.67
Isiolo	268002	776	289.55	43	5.54
Elgeyo Marakwet	454480	532	117.06	10	1.88
Tana River	315943	469	148.44	1	0.21
Mandera	867457	468	53.95	36	7.69
Samburu	310327	328	105.69	1	0.30
Wajir	781263	300	38.40	6	2.00

1.5 Map of Kenya showing COVID-19 attack rate and by County per 100,000 population

In **epi-week 41, Nairobi City** County recorded the highest attack rate of **1.52** followed by **Mombasa** County at **0.66** per 100,000 population (Figure 5).

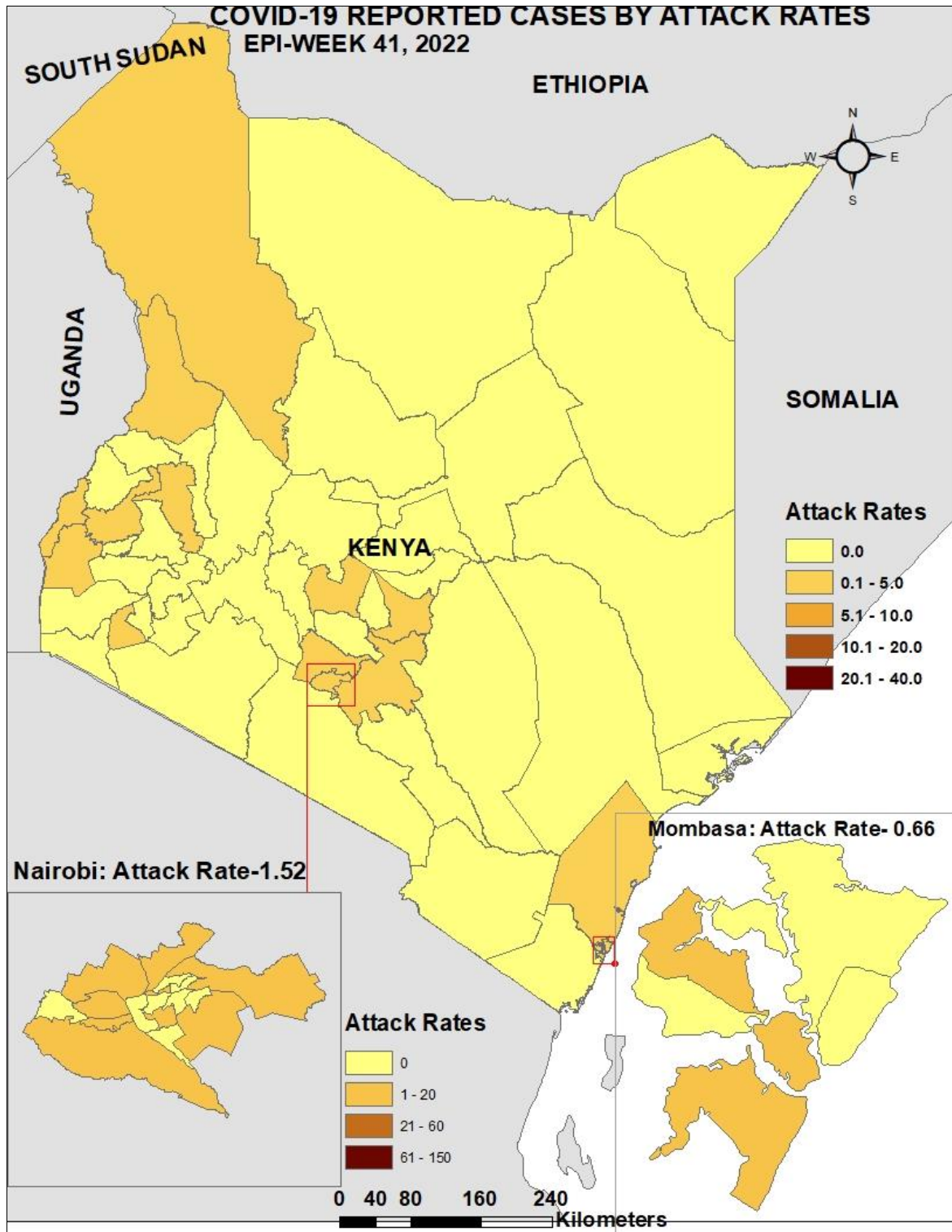


Figure 5: County Attack Rate per 100,000 Population

1.6 Map of Kenya showing COVID-19 caseload by County

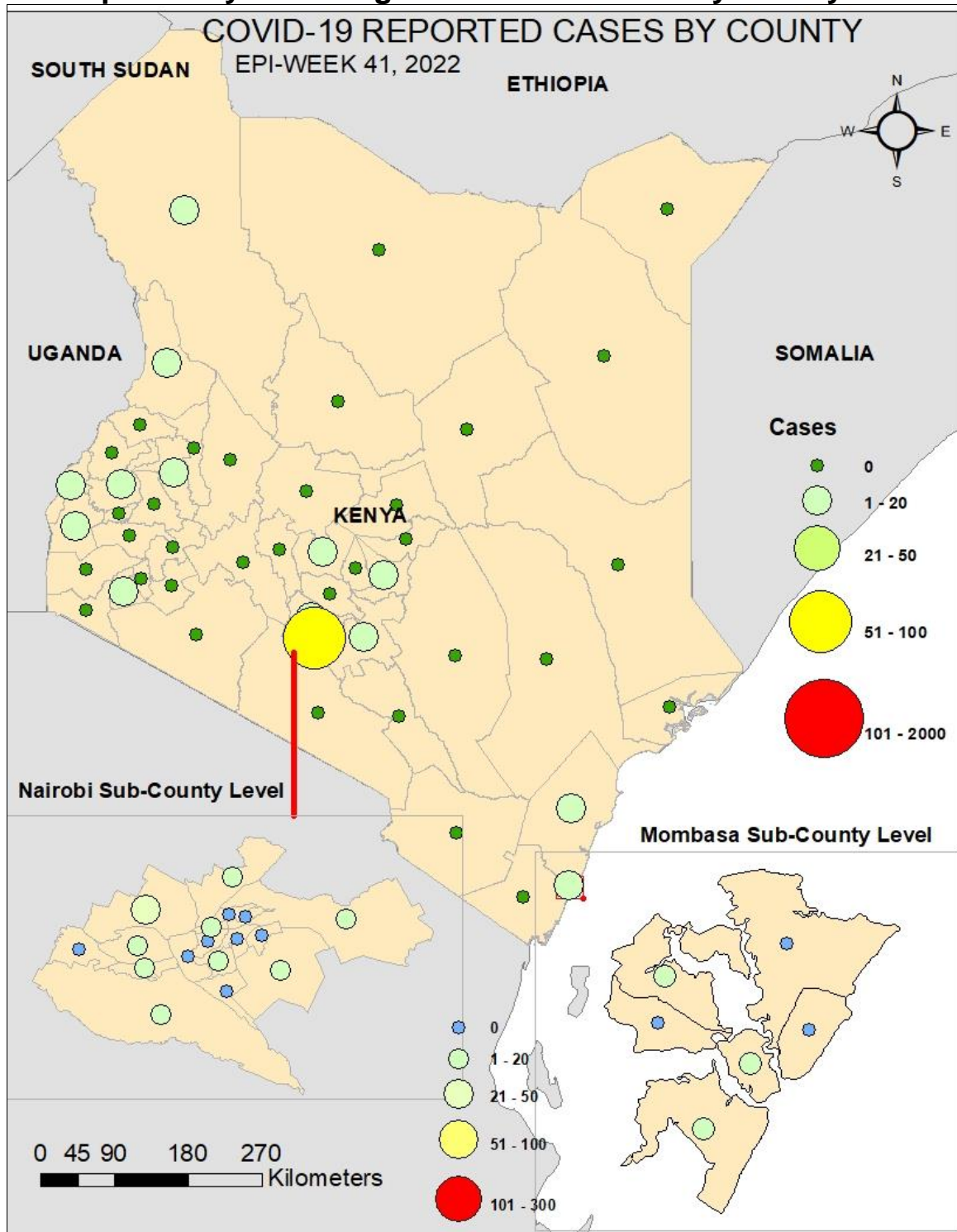


Figure 6 Case-loads by county

1.7 Kenya COVID-19 Vaccination Updates



Partially vaccinated: >18yrs - 2,179,891

Fully Vaccinated: >18yrs - 9,786,633

Booster Doses: >18yrs - 1,494,036

12 to <18 yrs - 1,230,503

12 to <18 yrs – 736,633

The Kenya Ministry of Health launched the National COVID-19 vaccinations on the 5th of March 2021. As of **22nd October 2022**, a total of **2,179,891 persons** were vaccinated with the 1st dose, and **9,786,633 persons** were fully vaccinated.

Table 2: Vaccine Doses Dispensed as of 22nd October 2022

Vaccine	Total doses Administered
Partially vaccinated adults	2,179,891
Fully vaccinated adults	9,786,633
Booster doses	1,494,036
Total doses (All Vaccines + Sputnik)	22,349,545
Partially Vaccinated 12 to <18 years	1,230,503
Fully Vaccinated 12 to <18 years	736,633
% of adults fully vaccinated	35.9%
% of children fully vaccinated (12 to <18 years)	9.3%

The highest proportion of the adult population fully vaccinated is in **Nyeri County** at **53.8%** and the least is in **Mandera County** at **10.4%** (Table 3).

Table 3: Proportion of Adults fully Vaccinated by County, 22nd October 2022

County	Number of adults fully vaccinated	Target Population above 18 years	% of fully vaccinated adults	County	Number of adults fully vaccinated	Target Population above 18 years	% of fully vaccinated adults
Nairobi	1,647,578	3,052,494	54.0%	Kericho	172,756	508,980	33.9%
Nyeri	274,471	510,028	53.8%	Nyandarua	127,433	376,776	33.8%
Kisumu	320,103	656,147	48.8%	Embu	133,857	395,980	33.8%
Siaya	258,725	536,031	48.3%	Makueni	196,954	584,379	33.7%
Kakamega	450,464	982,838	45.8%	Meru	292,601	949,186	30.8%
Nyamira	154,372	341,397	45.2%	Elgeyo Marakwet	67,497	243,690	27.7%
Migori	241,628	557,657	43.3%	Nandi	133,739	492,652	27.1%
Homa Bay	263,266	608,326	43.3%	Baringo	90,534	338,937	26.7%
Nakuru	537,326	1,273,265	42.2%	Kitui	150,548	624,506	24.1%
Laikipia	125,136	306,448	40.8%	Lamu	19,902	83,433	23.9%
Taita Taveta	84,697	213,335	39.7%	Turkana	108,417	468,878	23.1%
Kisii	272,022	697,445	39.0%	Samburu	33,661	145,608	23.1%
Kajiado	255,204	663,201	38.5%	Kilifi	152,383	784,567	19.4%
Kirinyaga	158,172	413,708	38.2%	Kwale	80,727	451,261	17.9%
Trans Nzoia	197,049	518,077	38.0%	Bomet	77,182	465,963	16.6%
Muranga	256,001	675,364	37.9%	Narok	87,269	548,229	15.9%
Busia	173,743	465,190	37.3%	West Pokot	42,617	283,727	15.0%
Kiambu	599,200	1,623,545	36.9%	Garissa	55,667	399,358	13.9%
Machakos	330,148	905,172	36.5%	Isiolo	17,696	133,358	13.3%
Mombasa	291,150	804,202	36.2%	Marsabit	25,280	219,170	11.5%
Uasin Gishu	246,143	693,570	35.5%	Tana River	16,916	151,051	11.2%
Tharaka Nithi	86,400	246,699	35.0%	Wajir	37,450	337,296	11.1%
Vihiga	114,435	329,317	34.7%	Mandera	35,663	341,857	10.4%
Bungoma	292,451	843,735	34.7%	Total	9,786,633	27,246,033	35.9%

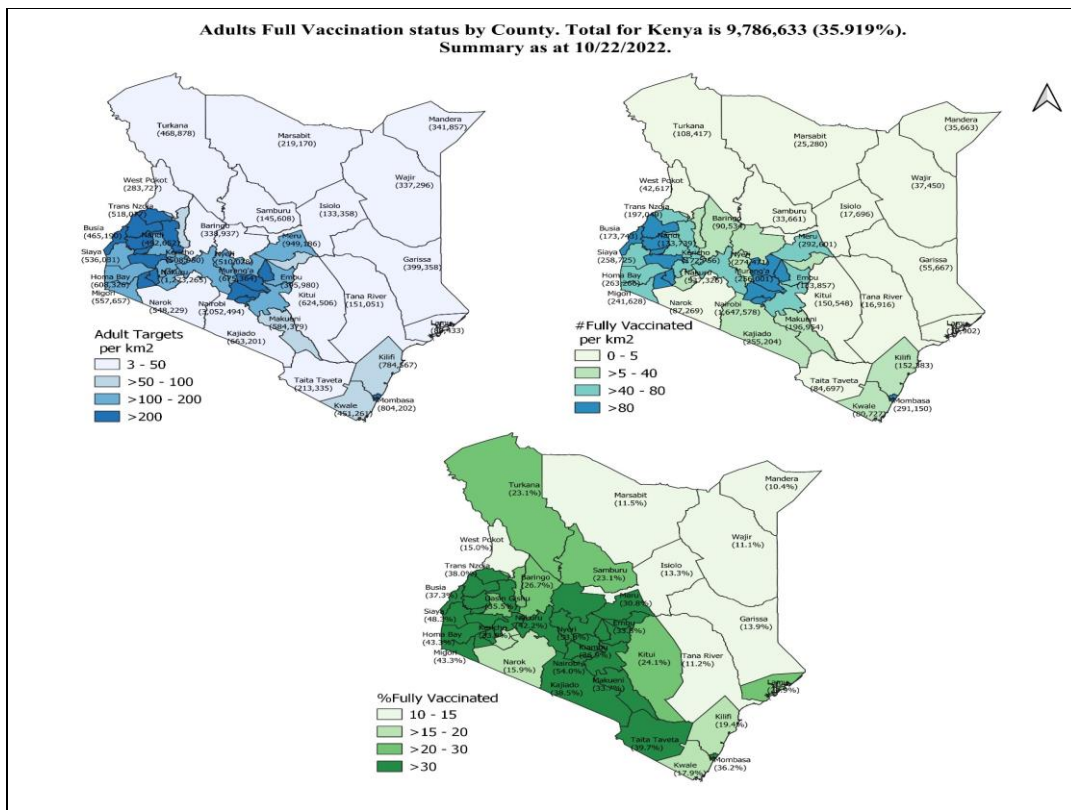


Figure 7: Adult full vaccination coverage by county

2.0 KEY ACTIONS

2.1 Coordination

- Response efforts continue to be coordinated through a whole government and multi-agency approach following Executive Order No. 2 of 2021 issued by His Excellency the President on 26th March 2021.
- The National Emergency Response Committee that was constituted following the executive order meets regularly to provide policy directions on response efforts towards the COVID-19 outbreak.
- The Public Health Emergency Operation Centre is fully activated and continues to coordinate response measures as well as provide daily situation reports informing planning.

2.2 Case Management and Infection Prevention & Control

- Currently, COVID-19 cases are being managed as inpatients and in home-based care

- Zero (0) COVID-19 cases are currently admitted to the intensive care unit: zero (0) on ventilatory support, zero (0) on supplemental oxygen, and zero (0) under observation.
- The IPC measures being implemented include: handwashing/sanitization, use of face masks in public transport, and social distancing in social places

2.3 Surveillance, laboratory, and Point of Entries

- The Diagnostic capacity in the Country has been scaled up. A total of ninety-six (96) public and private laboratories conduct PCR tests and 472 Rapid Diagnostic Tests (RDT). Genomic sequencing is done on sampled cases to identify new variants.
- Screening of cargo vessel crew at all points of entry to detect positive individuals.

3.0 KEY CHALLENGES

- Irregular reporting of COVID-19 data from counties/sub-counties to the national level
- High staff turn-over of trained personnel
- Suboptimal use of data in counties and sub-counties shared by national level for follow-up and decision making
- Inadequate resources to facilitate critical response pillars limiting response capacity in detecting, investigating, and follow-up of cases.

4.0 RECOMMENDATIONS AND NEXT STEPS

- Enhanced integrated disease surveillance at all levels
- Regular submission of daily COVID-19 data to the national level by counties
- Counties are encouraged to carry out investigations and institute control measures for areas with clustering of cases.
- Dissemination and utilization of data to make informed public health decisions at all levels
- Continuous capacity building of staff on surveillance

Emergency Operation Centre:

Telephone: 0729 471 414, 0732 353 535, 0800 721316(Toll Free)

COVID-19 Call centre: *719# (short message only), 719 (Audio)

COVID-19 Dashboard: https://khro.health.go.ke/#/covid_19_tracker

Email: manager.eockenya@gmail.com