



COVID-19 OUTBREAK IN KENYA

DAILY SITUATION REPORT – 733

1. KEY HIGHLIGHTS

- Nine (9)** new confirmed COVID-19 cases were reported in the last 24 hours bringing the total number of confirmed cases in Kenya to **323,281 cases** as of 20 March 2022. Counties reporting new cases are **Mombasa (4), Nakuru (2), Nairobi (1), Laikipia (1), and Kisumu (1)**
- Zero (0) deaths have been reported over the last 24 hrs.** The total number of cumulative deaths reported since the beginning of the outbreak is **5647, case fatality rate (CFR) is 1.7%**
- All **47 counties** have cumulatively reported cases as follows: Nairobi (130897), Kiambu (20157), Mombasa (17932), Nakuru (17051), Uasin Gishu (10542), Kisumu (7796), Machakos (7620), Kajiado (7597), Kilifi (6998), Busia (6537), Siaya (6415), Nyeri (5863), Kericho (5773), Kitui (4893), Murang'a (4440), Kakamega (4200), Meru (4083), Kisii (3720), Migori (3352), Laikipia (3219), Bungoma (3150), Makueni (3075), Nyandarua (2986), Turkana (2667), Garissa (2665), Embu (2633), Trans Nzoia (2365), Nandi (2360), Kirinyaga (2257), Homa Bay (2112), Nyamira (2080), Taita Taveta (2046), Baringo (1682), Bomet (1678), Narok (1370), Kwale (1344), Tharaka Nithi (1241), Vihiga (1095), Marsabit (997), West pokot (855), Isiolo (773), Lamu (770), Elgeyo Marakwet (532), Mandera (438), Tana River (409), Samburu (315), and Wajir (300).
- In epi-week 11, 2022, Nairobi city and Kericho** Counties had the highest attack rates of COVID-19 at **0.84** and **0.77** per **100,000** population respectively when compared to the national attack rate of **0.17/100,000** for the same epi-week.
- In the last 24 hours, 4,020 samples were tested across various laboratories of which nine (9) samples turned positive for COVID-19, a positivity rate of 0.2%. Cumulatively, 3,470,975 tests have been conducted.**
- In the last 24 hours, 14 COVID-19 patients (Health Facility: 0, HBIC: 14) recovered and were discharged bringing the total number of recoveries and discharges to 317,581 (Facility: 53,000, HBIC: 264,581).**

Total Cases =323,281	Deaths =5,647	Fully Vaccinated =7,932,715
---------------------------------------	--------------------------------	--

1.1 Epidemiology

Since 13 March 2020 when the first case was confirmed in Kenya, a total of **323,281** confirmed cases and **5,647** deaths (**CFR 1.7%**) have been line-listed. **Figure 1** below shows trends of cases and deaths for the last one year.

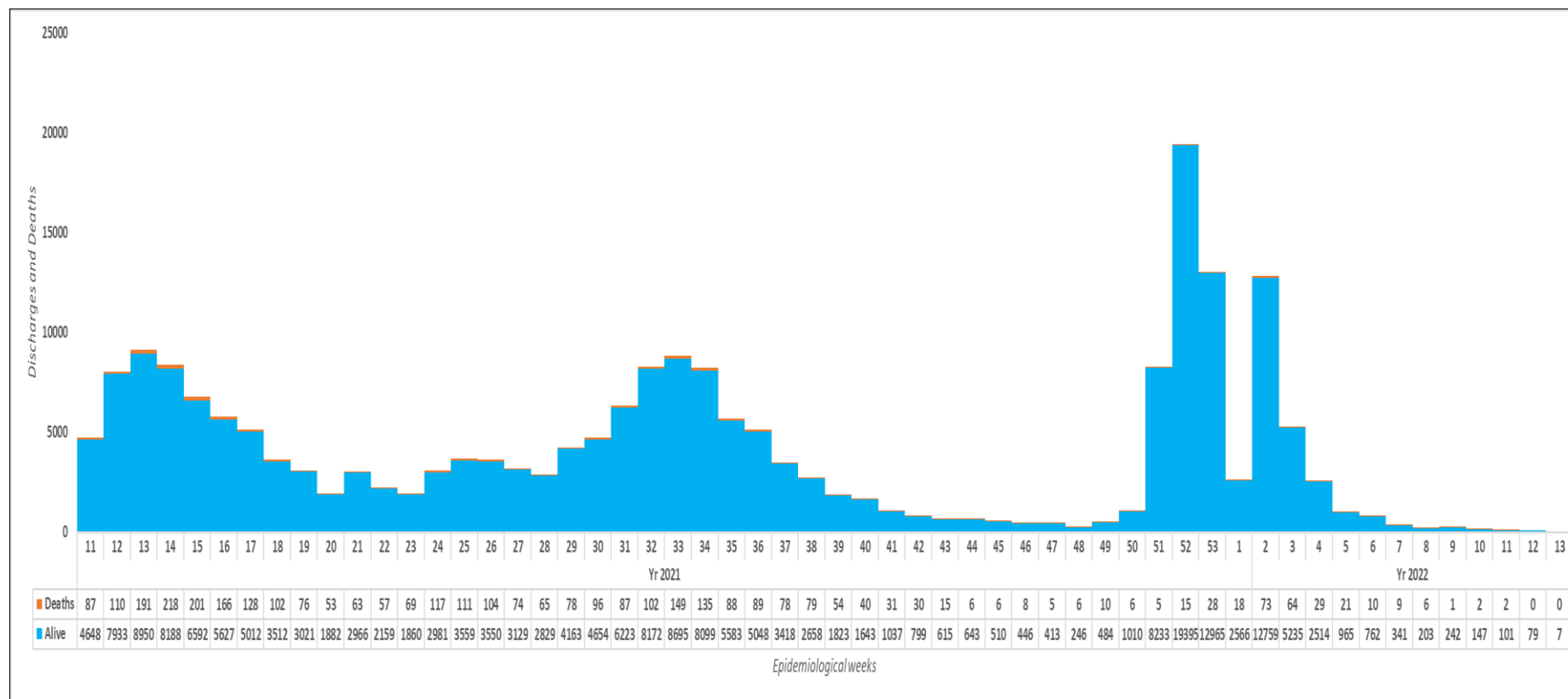


Figure 1: Trends of COVID-19 outbreak in Kenya

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 testing rate of suspect cases, is optimum at least 1/1000 population/week. The laboratory test rate currently stands at **72974.4** samples per 1,000,000 people. Figure 2 shows the weekly testing rate/1000 population/week for the last one year.

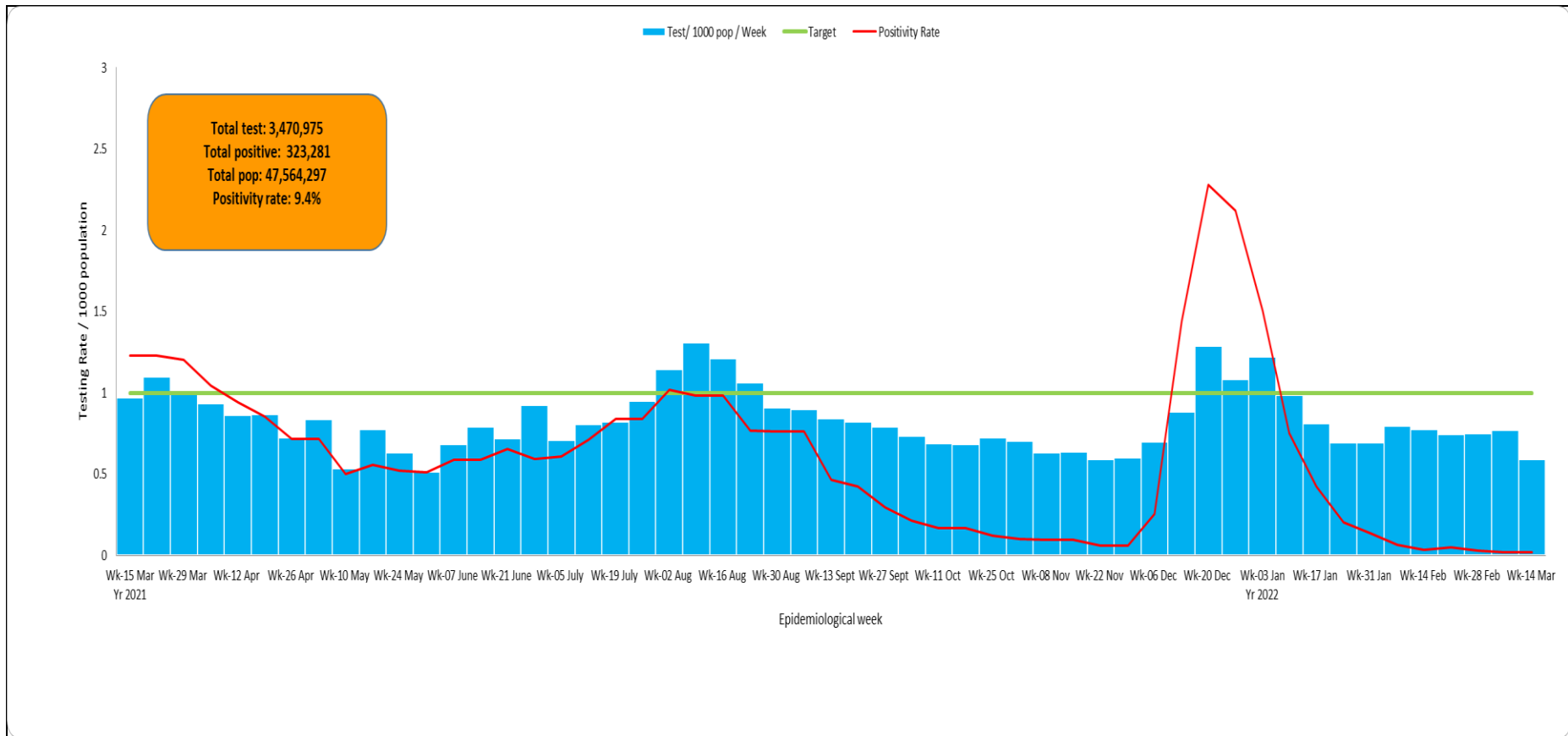


Figure 2: Laboratory Tests Conducted by Date Results were Shared



1.3 Age and Sex Distribution of COVID Confirmed Cases and Deaths

A total of **182,349** (56%) of the cumulative cases are males and **140,932** (44%) are females. Most cases, **83,522** (26%) are in the age group of 30-39 years. Of the **5647** cumulative deaths, **3,593** (64%) are males and **2,054** (36%) are females.

Figure 3 below shows the age and sex distribution of COVID-19 cases by the outcome.

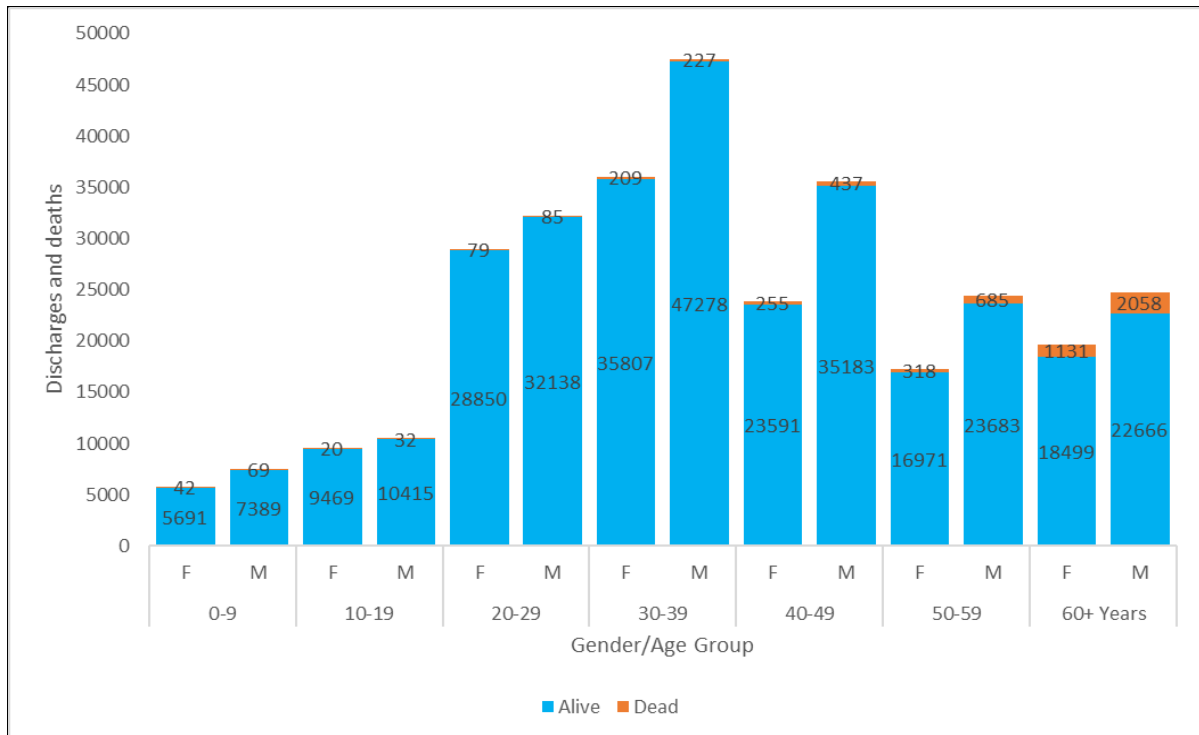


Figure 3: Age and Sex Distribution of COVID-19 Cases by the outcome in Kenya

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

Of the **323,281** cumulative cases, **130,897 (40%)** are from **Nairobi** County followed by **Kiambu** County with **20,157 (6%)**, while **Wajir** County 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	130897	2976.91	1.19	1.19
Kiambu	2417735	20157	833.71	2.72	2.72
Mombasa	1208333	17932	1484.03	1.88	1.88
Nakuru	2162202	17051	788.59	3.12	3.12
Uasin Gishu	1163186	10542	906.30	2.29	2.29
Kisumu	1155574	7796	674.64	1.09	1.09
Machakos	1421932	7620	535.89	2.55	2.55

County	Population	Covid-19 Cases	Attack Rates	Deaths	CFR
Kajiado	1117840	7597	679.61	1.01	1.01
Kilifi	1453787	6998	481.36	0.50	0.50
Busia	893681	6537	731.47	0.81	0.81
Siaya	993183	6415	645.90	1.87	1.87
Nyeri	759164	5863	772.30	2.93	2.93
Kericho	901777	5773	640.18	1.18	1.18
Kitui	1136187	4893	430.65	2.27	2.27
Murang'a	1056640	4440	420.20	5.18	5.18
Kakamega	1867579	4200	224.89	2.83	2.83
Meru	1545714	4083	264.15	2.77	2.77
Kisii	1266860	3720	293.64	3.01	3.01
Migori	1116436	3352	300.24	1.85	1.85
Laikipia	518560	3219	620.76	0.81	0.81
Bungoma	1670570	3150	188.56	0.16	0.16
Makueni	987653	3075	311.34	3.29	3.28
Nyandarua	638289	2986	467.81	2.24	2.24
Turkana	841353	2667	287.71	0.90	0.90
Garissa	926976	2665	316.75	3.64	3.64
Embu	608599	2633	432.63	2.36	2.35
Trans Nzoia	990341	2365	238.81	0.38	0.38
Nandi	885711	2360	266.45	1.44	1.44
Kirinyaga	610411	2257	369.75	3.37	3.37
Homa Bay	1131950	2112	186.58	4.55	4.55
Nyamira	605576	2080	343.47	0.87	0.87
Taita Taveta	340671	2046	600.58	2.05	2.05
Baringo	666763	1682	252.26	0.83	0.83
Bomet	875689	1678	191.62	1.73	1.73
Narok	1157873	1370	118.32	1.75	1.75
Kwale	866820	1345	155.16	0.82	0.82
Tharaka Nithi	393177	1241	315.63	0.64	0.64
Vihiga	590013	1095	185.59	2.74	2.74
Marsabit	459785	997	216.84	0.20	0.20
West Pokot	621241	855	137.63	0.12	0.12
Isiolo	268002	773	288.43	5.56	5.56
Lamu	143920	770	535.02	1.69	1.69
Elgeyo Marakwet	454480	532	117.06	1.88	1.88
Mandera	867457	438	50.49	8.24	8.22
Tana River	315943	409	129.45	0.24	0.24
Samburu	310327	315	101.51	0.32	0.32
Wajir	781263	300	38.40	2.00	2.00



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

In **Epi -week 11**, Nairobi city County recorded the highest attack rate of **0.84** followed by Kericho County at **0.77** per 100,000 population (Figure 4).

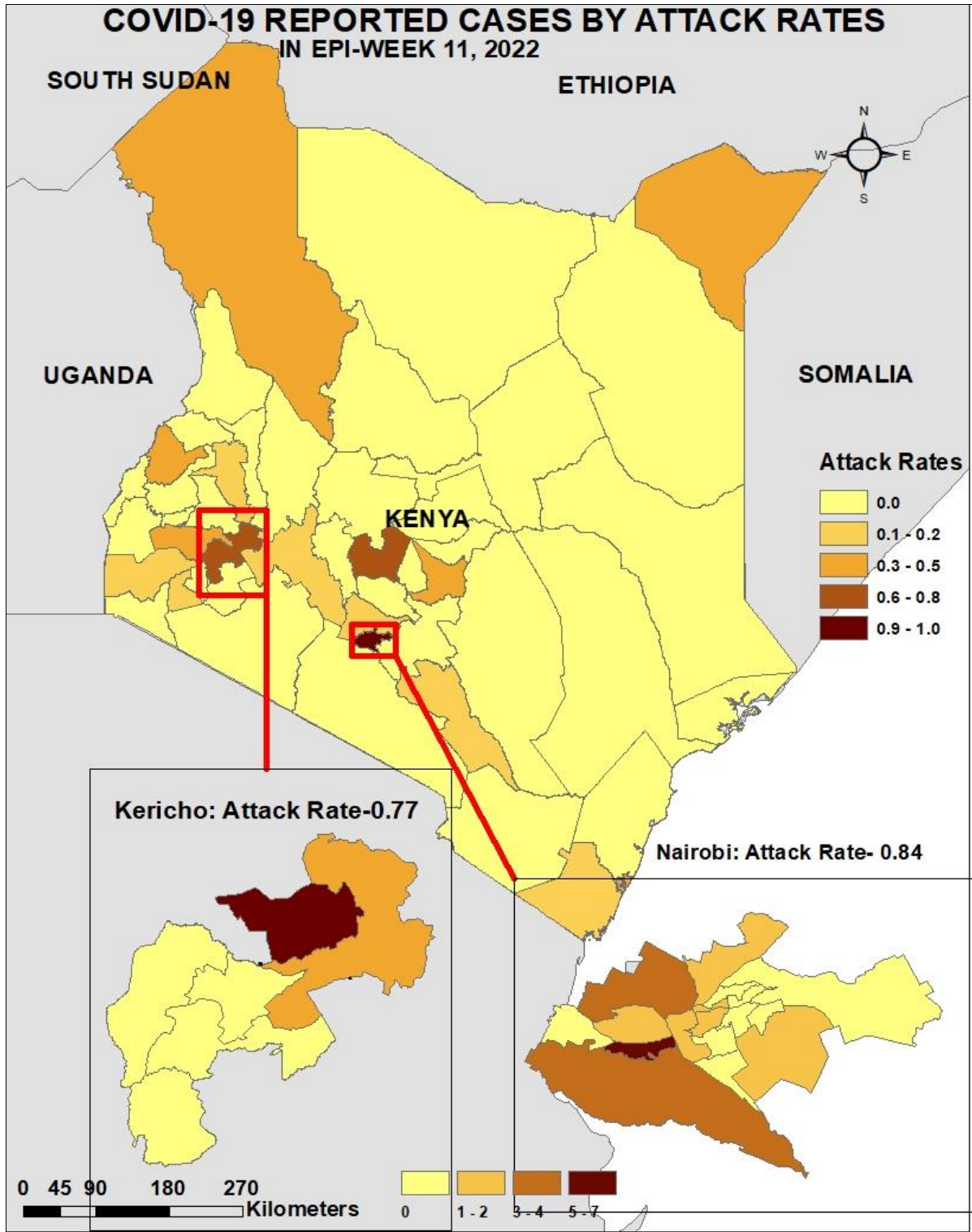


Figure 4: County Attack Rate per 100,000 Population



1.6 Map of Kenya showing COVID-19 caseload by County

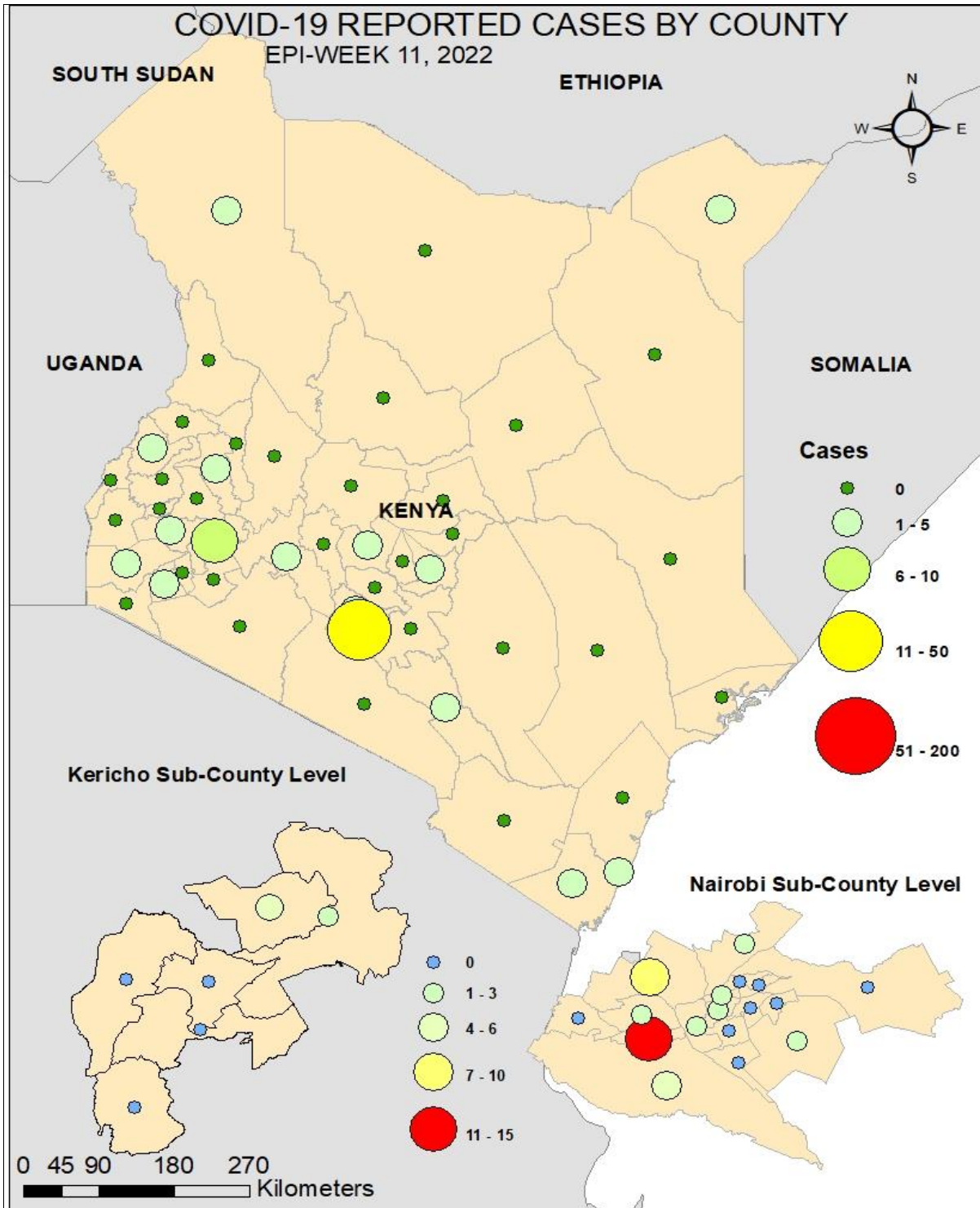


Figure 5: Case-loads by county

1.12 Kenya COVID-19 Vaccination Updates



Partially vaccinated: Adults- 7,958,937
Fully Vaccinated: Adults- 7,932,715
Booster Doses: - 268,625



15 to 17 years- 1,008,596
 15 to 17 years- 158,270

The Kenya Ministry of Health launched the National COVID-19 vaccinations on the 5th March 2021. As of 19th March 2022, a total of **7,958,937 persons** were vaccinated with the 1st dose, and **7,932,715 persons** were fully vaccinated.

Table 2: Vaccine Doses Dispensed as of 19th March 2022

Vaccine	Total doses Administered
Total 1st doses (All vaccines, >18yrs)	7,958,937
Fully vaccinated (>18yrs)	7,932,715
Booster doses	268,625
Total doses (All Vaccines + Sputnik)	17,327,143
Partially Vaccinated 15-17 years	1,008,596
Fully Vaccinated 15-17 years	158,270
% of adults fully vaccinated	29.1%

The highest proportion of the population fully vaccinated is in Nyeri County at 51.6% and the least is Marsabit County at (9.6%) (Table 3).

Table 3: Proportion of fully Vaccinated by County, 19th March 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
Nyeri	263,358	510,028	51.6%	Kericho	136,759	508,980	26.9%
Nairobi	1,434,344	3,052,494	47.0%	Busia	124,603	465,190	26.8%
Kakamega	360,970	982,838	36.7%	Meru	246,998	949,186	26.0%
Laikipia	111,699	306,448	36.4%	Nandi	121,687	492,652	24.7%
Kirinyaga	150,690	413,708	36.4%	Elgeyo Marakwet	59,544	243,690	24.4%
Taita Taveta	74,381	213,335	34.9%	Homa Bay	142,872	608,326	23.5%
Kiambu	562,843	1,623,545	34.7%	Makueni	130,017	584,379	22.2%
Kisumu	220,220	656,147	33.6%	Baringo	72,918	338,937	21.5%
Nakuru	423,568	1,273,265	33.3%	Lamu	16,535	83,433	19.8%
Vihiga	109,352	329,317	33.2%	Samburu	24,940	145,608	17.1%
Siaya	170,020	536,031	31.7%	Kitui	97,073	624,506	15.5%
Uasin Gishu	219,009	693,570	31.6%	Turkana	72,619	468,878	15.5%
Tharaka Nithi	74,817	246,699	30.3%	Kwale	68,965	451,261	15.3%
Embu	119,471	395,980	30.2%	Bomet	69,446	465,963	14.9%
Muranga	203,367	675,364	30.1%	Narok	81,442	548,229	14.9%
Bungoma	251,190	843,735	29.8%	West Pokot	40,700	283,727	14.3%
Machakos	268,347	905,172	29.6%	Kilifi	104,936	784,567	13.4%
Nyamira	101,092	341,397	29.6%	Isiolo	17,050	133,358	12.8%
Mombasa	236,561	804,202	29.4%	Garissa	49,581	399,358	12.4%
Nyandarua	110,738	376,776	29.4%	Wajir	36,343	337,296	10.8%
Trans Nzoia	151,001	518,077	29.1%	Tana River	15,965	151,051	10.6%
Migori	159,138	557,657	28.5%	Mandera	35,013	341,857	10.2%
Kajiado	181,637	663,201	27.4%	Marsabit	20,985	219,170	9.6%
Kisii	187,911	697,445	26.9%	Total	7,932,715	27,246,033	29.1%

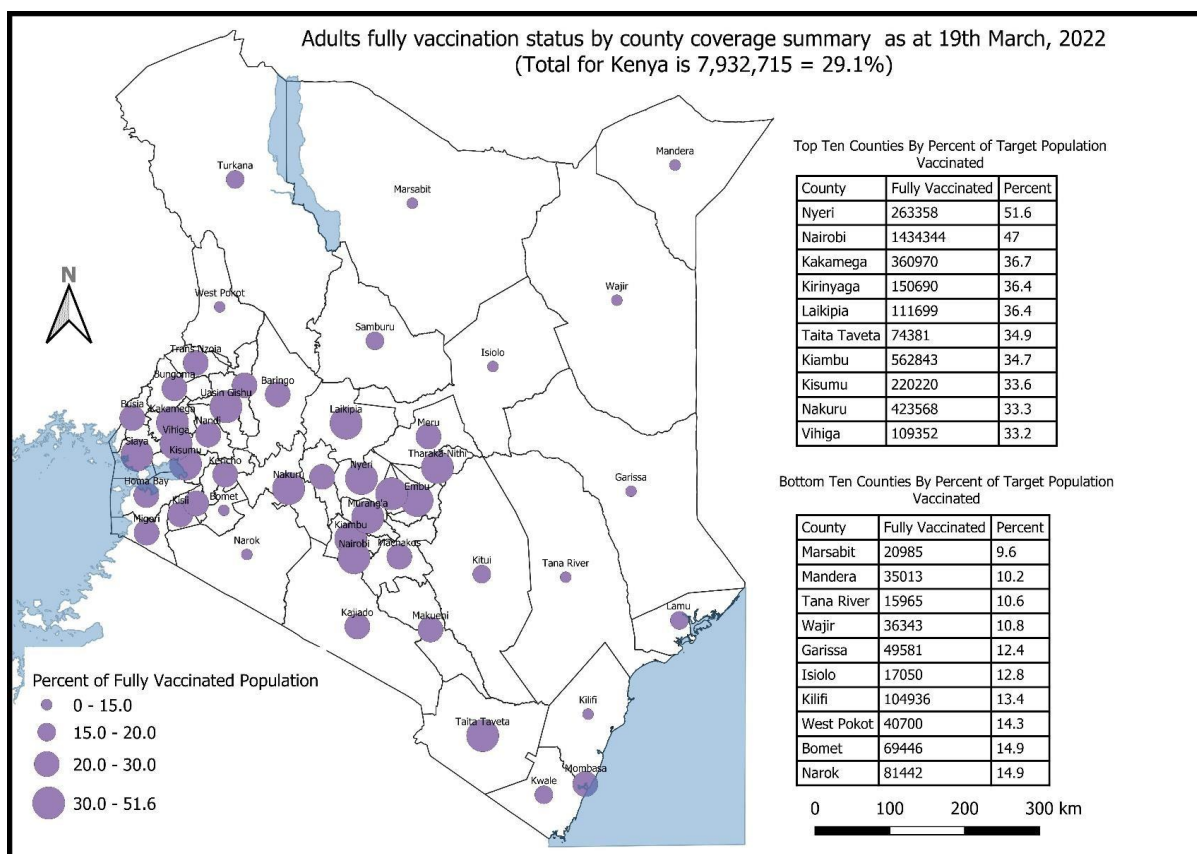


Figure 6: Adult full vaccination coverage by county

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
- One (1) COVID-19 case is currently admitted in the intensive care unit in ventilatory support, 0 on supplemental oxygen, and 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 Center:

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

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

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

Email: manager.eockenya@gmail.com