

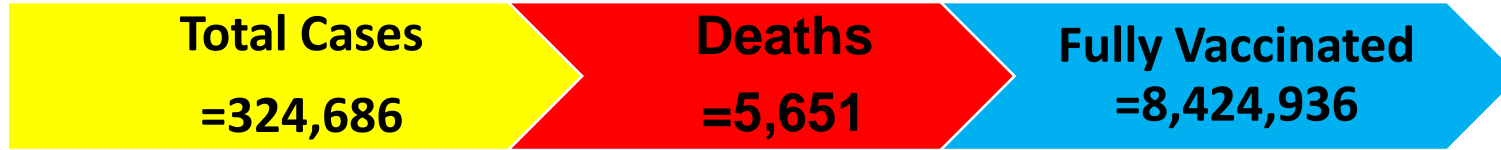


COVID-19 OUTBREAK IN KENYA

DAILY SITUATION REPORT – 802

1. KEY HIGHLIGHTS

- 1. One hundred and twenty-eight (128)** new confirmed COVID-19 cases were reported in the last 24 hours bringing the total number of confirmed cases in Kenya to **324,686 cases** as of **28 May 2022**. Counties reporting new cases are **Nyeri (68), Nairobi (54), Kiambu (2), Kakamega (1), Kisumu (2), and Siaya (1)**.
- 2. 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 **5651, case fatality rate (CFR) is 1.7%**
- 3.** All **47 counties** have cumulatively reported cases as follows: Nairobi (131,914), Kiambu (20228), Mombasa (17954), Nakuru (17076), Uasin Gishu (10572), Kisumu (7826), Machakos (7621), Kajiado (7598), Kilifi (7008), Busia (6540), Siaya (6442), Nyeri (5968), Kericho (5773), Kitui (4896), Murang'a (4445), Kakamega (4204), Meru (4088), Kisii (3722), Migori (3352), Laikipia (3221), Bungoma (3151), Makueni (3076), Nyandarua (2986), Turkana (2673), Garissa (2668), Embu (2638), Trans Nzoia (2367), Nandi (2360), Kirinyaga (2257), Homa Bay (2114), Nyamira (2081), Taita Taveta (2046), Baringo (1682), Bomet (1679), Narok (1371), Kwale (1349), Tharaka Nithi (1241), Vihiga (1097), Marsabit (997), West pokot (855), Isiolo (773), Lamu (772), Elgeyo Marakwet (532), Mandera (447), Tana River (409), Samburu (315), and Wajir (300).
- 4.** In epi-week **20, 2022, Nairobi city** and **Kisumu** Counties had the highest attack rates of COVID-19 at **3.73** and **1.73** per **100,000** population respectively when compared to the national attack rate of **0.48/100,000** for the same epi-week.
- 5.** In the last 24 hours, **2,303 samples** were tested across various laboratories of which **one hundred and twenty-eight (128)** samples turned positive for COVID-19, a positivity rate of **5.6%**. Cumulatively, **3,662,979 tests** have been conducted.
- 6.** In the last 24 hours, **26** COVID-19 patients (**Health Facility: 0, HBIC: 26**) recovered and were discharged bringing the total number of recoveries and discharges to **318,446 (Facility: 53,031, HBIC: 265,415)**.



1.1 Epidemiology

Since 13 March 2020 when the first case was confirmed in Kenya, a total of **324,686** confirmed cases and **5,651** deaths (CFR **1.7%**) have been line-listed. **Figure 1 and 2** below shows trends of cases and deaths for the last one year.

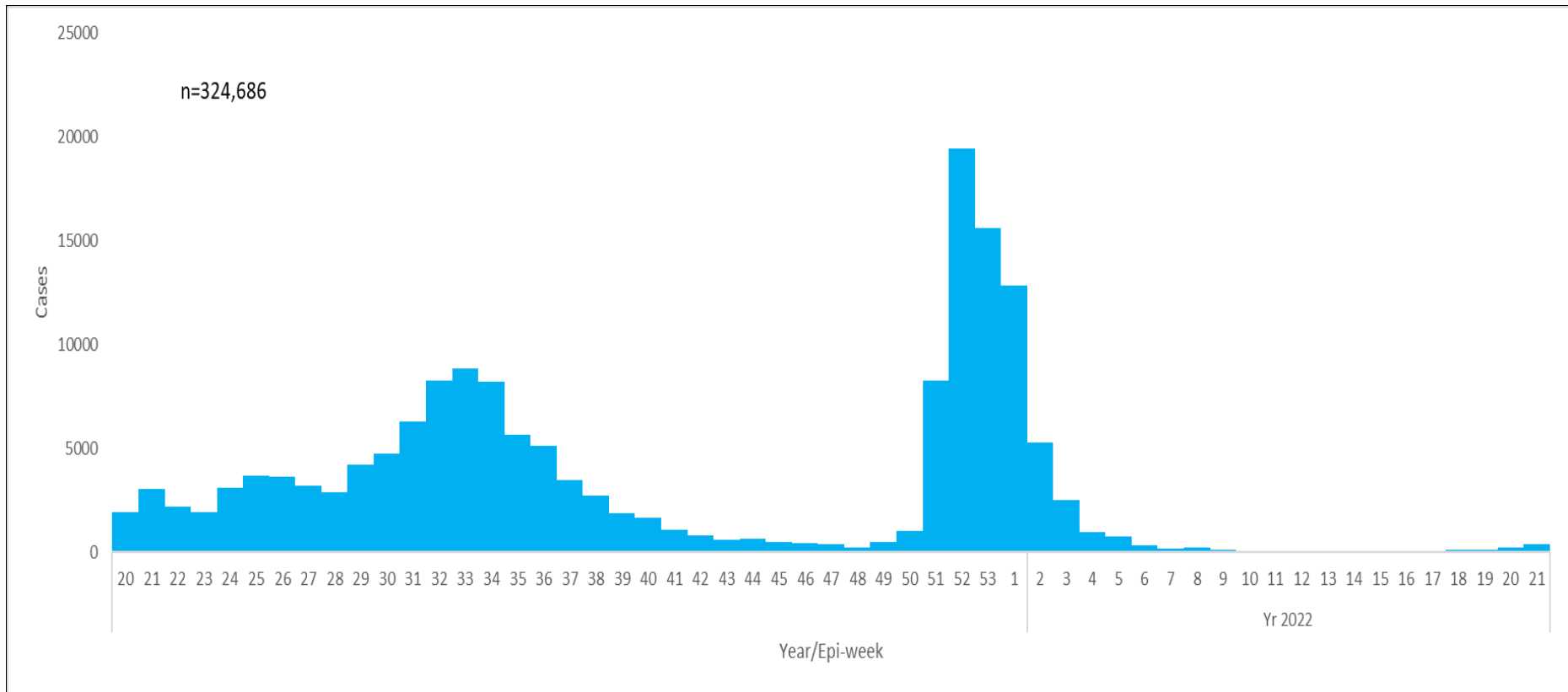


Figure 1: Trends of COVID-19 outbreak in Kenya in the last one year

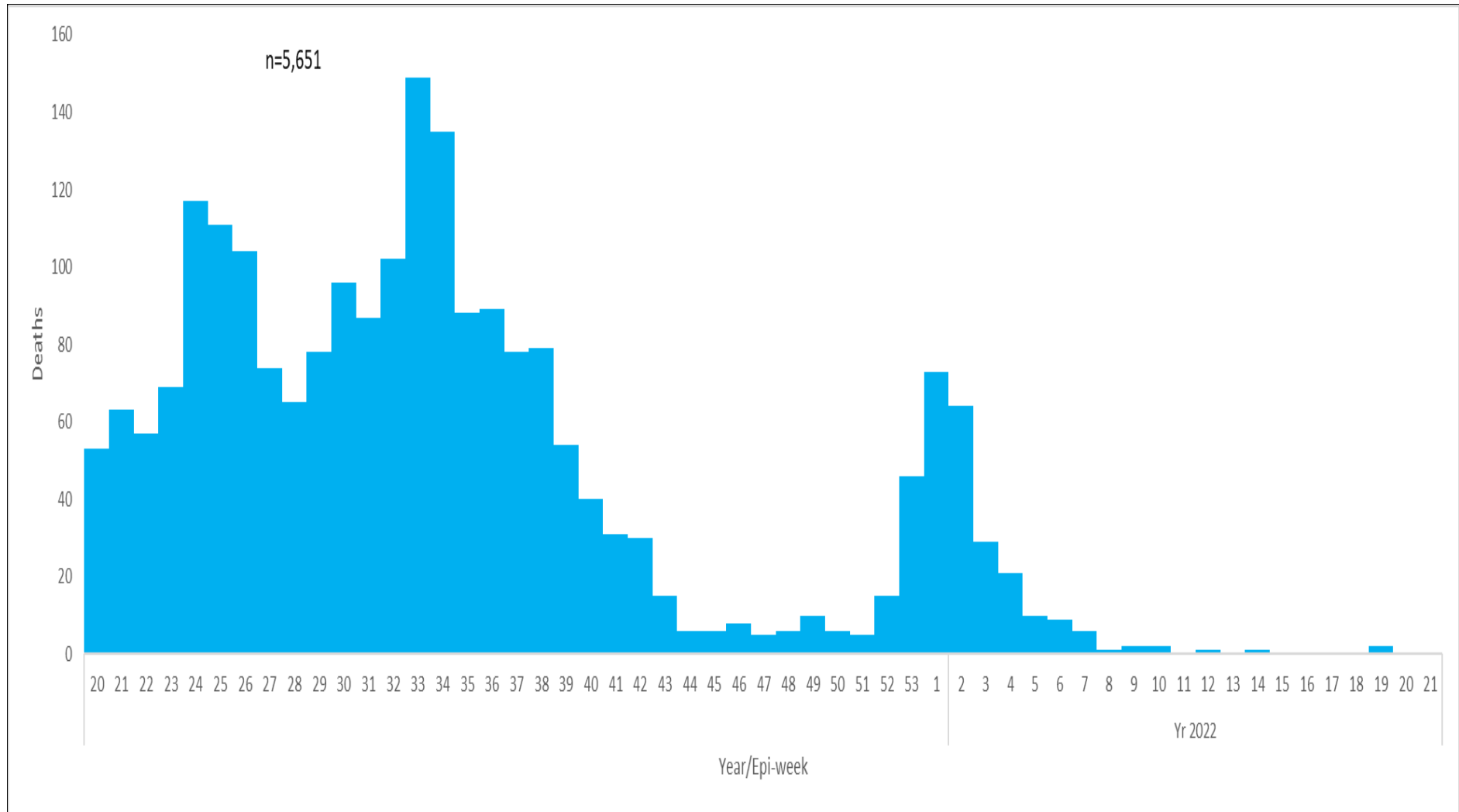


Figure 2: Trends of COVID-19 deaths in Kenya in the last one year

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 testing rate of suspect cases, is optimum at least 1/1000 population/week. The laboratory test rate currently stands at **77011.1** samples per 1,000,000 people. Figure 2 shows the weekly testing rate/1000 population/week for the last one year.

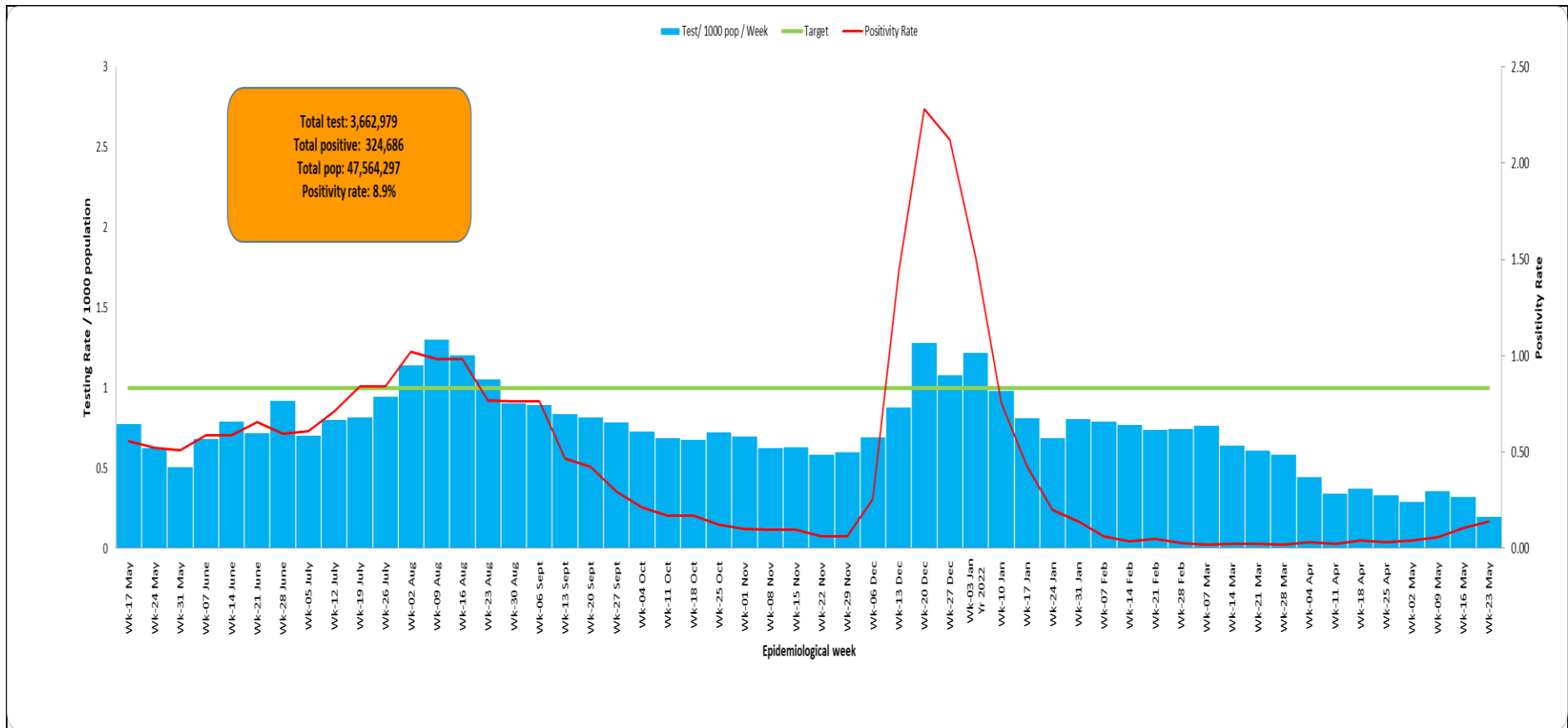


Figure 3: Laboratory Tests Conducted by Date Results were Shared

1.3 Age and Sex Distribution of COVID Confirmed Cases and Deaths

A total of **183,151 (56%)** of the cumulative cases are males and **141,535 (44%)** are females. Most cases, **83,859 (26%)** are in the age group of **30-39 years**. Of the **5651** cumulative deaths, **3,596 (64%)** are males and **2,055 (36%)** are females.

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

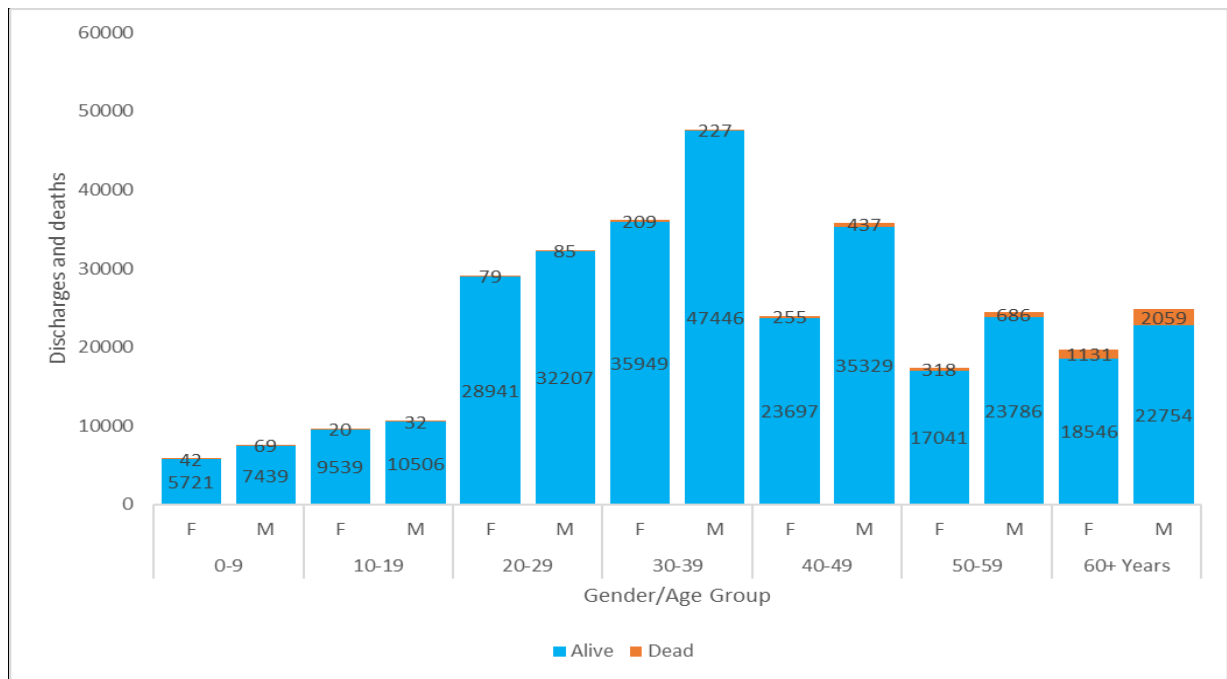


Figure 4: Age and Sex Distribution of COVID-19 Cases by the outcome in Kenya

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

Of the **324,686** cumulative cases, **131,914 (41%)** are from **Nairobi** County followed by **Kiambu** County with **20,228 (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 | 131914 | 3000.04 | 1553 | 1.18 |
| Kiambu | 2417735 | 20228 | 836.65 | 549 | 2.71 |
| Mombasa | 1208333 | 17954 | 1485.85 | 337 | 1.88 |
| Nakuru | 2162202 | 17076 | 789.75 | 532 | 3.12 |
| Uasin Gishu | 1163186 | 10572 | 908.88 | 243 | 2.30 |
| Kisumu | 1155574 | 7826 | 677.24 | 85 | 1.09 |
| Machakos | 1421932 | 7621 | 535.96 | 194 | 2.55 |

| County | Population | Covid-19 Cases | Attack Rates | Deaths | CFR |
|-----------------|------------|----------------|--------------|--------|------|
| Kajiado | 1117840 | 7598 | 679.70 | 77 | 1.01 |
| Kilifi | 1453787 | 7008 | 482.05 | 35 | 0.50 |
| Busia | 893681 | 6540 | 731.80 | 53 | 0.81 |
| Siaya | 993183 | 6442 | 648.62 | 120 | 1.86 |
| Nyeri | 759164 | 5968 | 786.13 | 172 | 2.88 |
| Kericho | 901777 | 5773 | 640.18 | 68 | 1.18 |
| Kitui | 1136187 | 4896 | 430.91 | 111 | 2.27 |
| Murang'a | 1056640 | 4445 | 420.67 | 230 | 5.17 |
| Kakamega | 1867579 | 4204 | 225.10 | 119 | 2.83 |
| Meru | 1545714 | 4088 | 264.47 | 113 | 2.76 |
| Kisii | 1266860 | 3722 | 293.80 | 112 | 3.01 |
| Migori | 1116436 | 3352 | 300.24 | 62 | 1.85 |
| Laikipia | 518560 | 3221 | 621.14 | 26 | 0.81 |
| Bungoma | 1670570 | 3151 | 188.62 | 5 | 0.16 |
| Makueni | 987653 | 3076 | 311.45 | 101 | 3.28 |
| Nyandarua | 638289 | 2986 | 467.81 | 67 | 2.24 |
| Turkana | 841353 | 2673 | 288.36 | 24 | 0.90 |
| Garissa | 926976 | 2668 | 317.11 | 97 | 3.64 |
| Embu | 608599 | 2639 | 433.62 | 62 | 2.35 |
| Trans Nzoia | 990341 | 2367 | 239.01 | 9 | 0.38 |
| Nandi | 885711 | 2360 | 266.45 | 34 | 1.44 |
| Kirinyaga | 610411 | 2257 | 369.75 | 76 | 3.37 |
| Homa Bay | 1131950 | 2114 | 186.76 | 96 | 4.54 |
| Nyamira | 605576 | 2081 | 343.64 | 18 | 0.86 |
| Taita Taveta | 340671 | 2046 | 600.58 | 42 | 2.05 |
| Baringo | 666763 | 1682 | 252.26 | 14 | 0.83 |
| Bomet | 875689 | 1679 | 191.73 | 29 | 1.73 |
| Narok | 1157873 | 1371 | 118.41 | 24 | 1.75 |
| Kwale | 866820 | 1349 | 155.63 | 11 | 0.82 |
| Tharaka Nithi | 393177 | 1241 | 315.63 | 8 | 0.64 |
| Vihiga | 590013 | 1097 | 185.93 | 30 | 2.73 |
| Marsabit | 459785 | 997 | 216.84 | 2 | 0.20 |
| West Pokot | 621241 | 855 | 137.63 | 1 | 0.12 |
| Isiolo | 268002 | 773 | 288.43 | 43 | 5.56 |
| Lamu | 143920 | 772 | 536.41 | 13 | 1.68 |
| Elgeyo Marakwet | 454480 | 532 | 117.06 | 10 | 1.88 |
| Mandera | 867457 | 448 | 51.65 | 36 | 8.04 |
| Tana River | 315943 | 409 | 129.45 | 1 | 0.24 |
| Samburu | 310327 | 315 | 101.51 | 1 | 0.32 |
| 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 19, Nairobi city County recorded the highest attack rate of 3.73 followed by Kisumu County at 1.73 per 100,000 population (Figure 5).

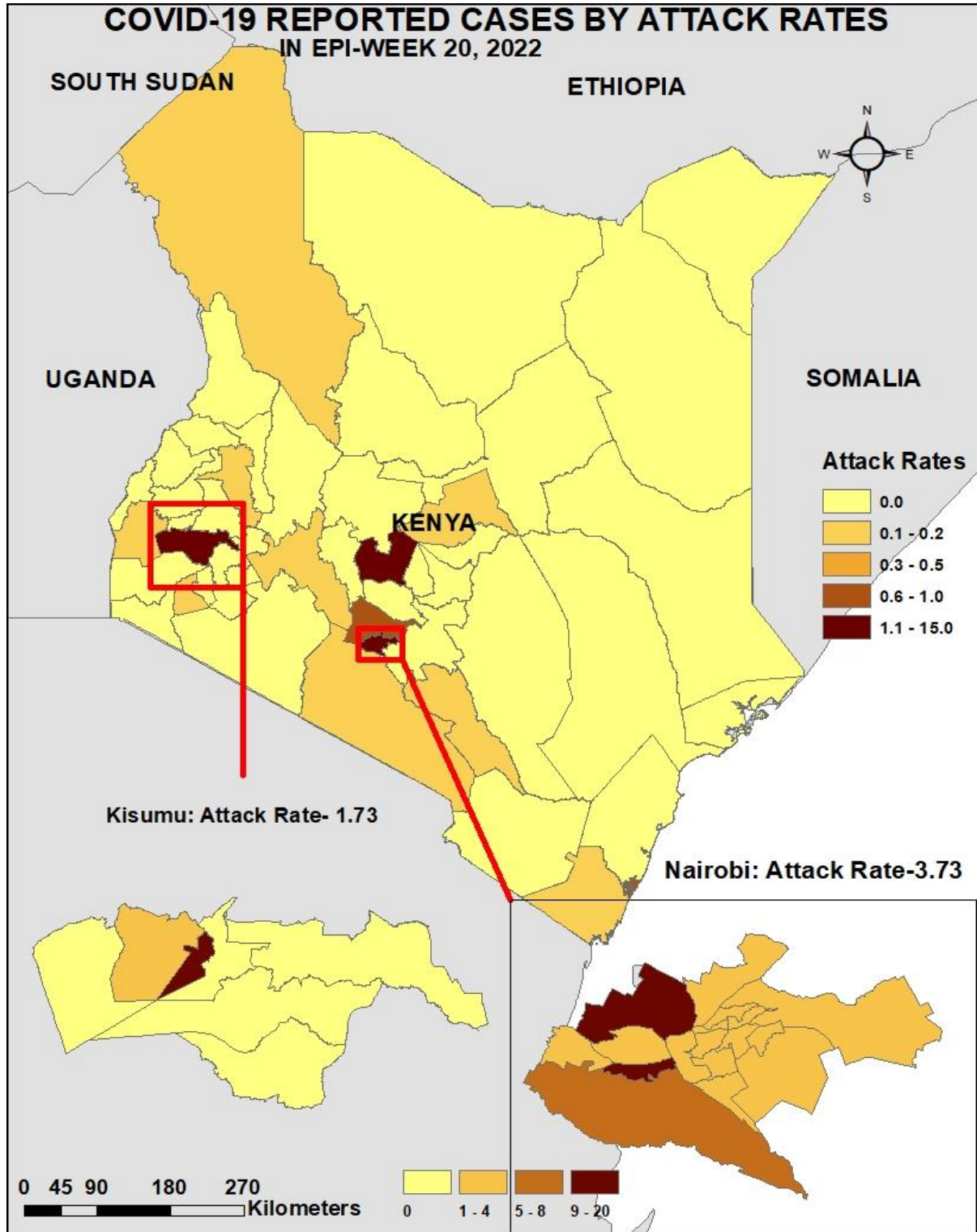


Figure 5: County Attack Rate per 100,000 Population

1.6 Map of Kenya showing COVID-19 caseload by County

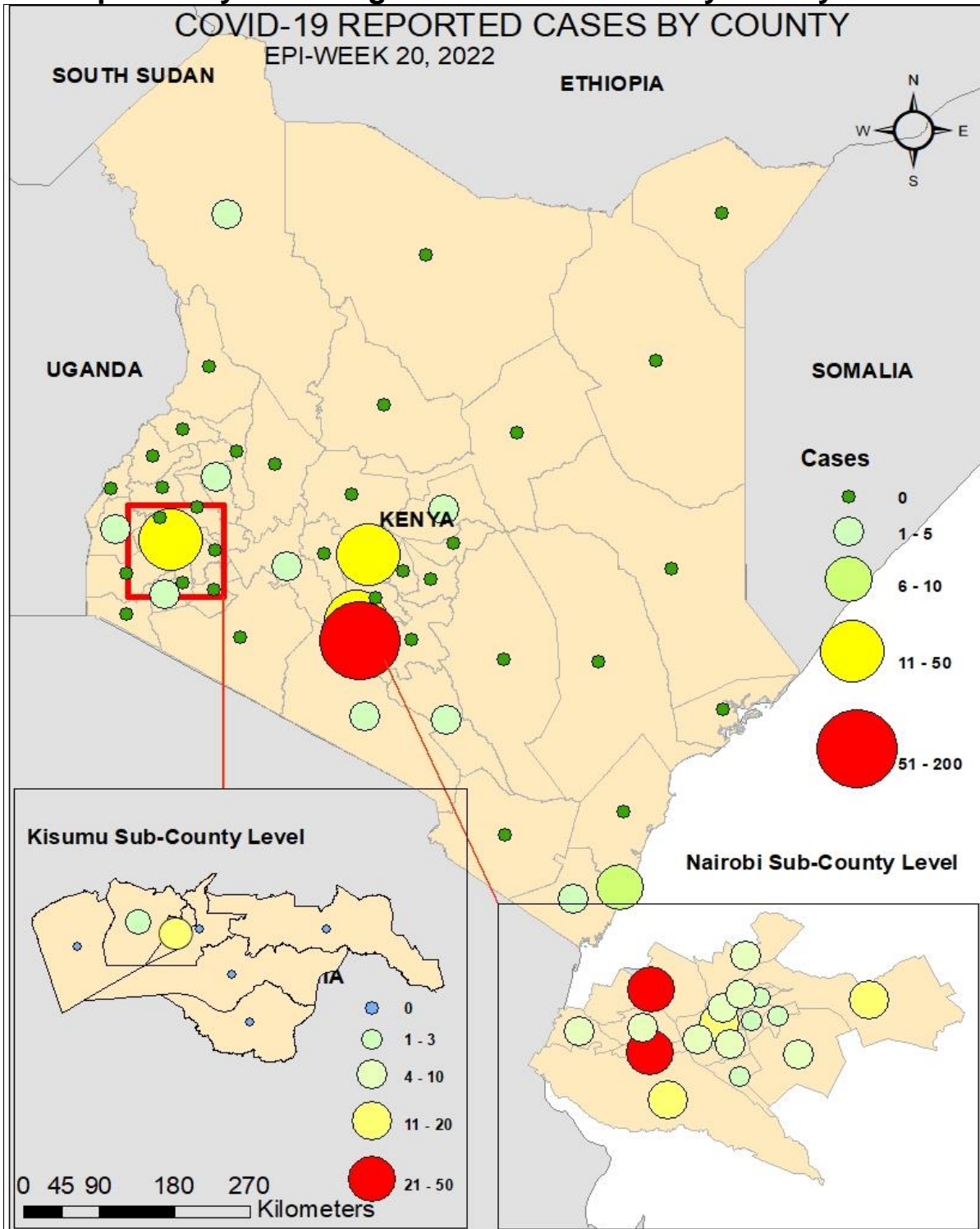


Figure 6 Case-loads by county

1.7 Kenya COVID-19 Vaccination Updates



Partially vaccinated: Adults- **2,509,119**
Fully Vaccinated: Adults- **8,424,936**
Booster Doses: - **335,015**



15 to <18 years- **820,890**
 15 to <18 years- **273,451**

The Kenya Ministry of Health launched the National COVID-19 vaccinations on the 5th March 2021. As of **27th May 2022**, a total of **2,509,119 persons** were vaccinated with the 1st dose, and **8,424,936 persons** were fully vaccinated.

Table 2: Vaccine Doses Dispensed as of 27th May 2022

| Vaccine | Total doses Administered |
|---|--------------------------|
| Partially vaccinated adults | 2,509,119 |
| Fully vaccinated adults | 8,424,936 |
| Booster doses | 335,015 |
| Total doses (All Vaccines + Sputnik) | 18,182,995 |
| Partially Vaccinated 15- below 18 years | 820,890 |
| Fully Vaccinated 15- below 18 years | 273,451 |
| % of adults fully vaccinated | 30.9% |

The highest proportion of the population fully vaccinated is in Nyeri County at 52.8% and the least is Marsabit County at (9.7%) (Table 3).

Table 3: Proportion of fully Vaccinated by County, 27th May 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 | 269,427 | 510,028 | 52.8% | Kajiado | 188,277 | 663,201 | 28.4% |
| Nairobi | 1,488,858 | 3,052,494 | 48.8% | Kericho | 144,303 | 508,980 | 28.4% |
| Kakamega | 388,212 | 982,838 | 39.5% | Makueni | 162,067 | 584,379 | 27.7% |
| Nakuru | 487,204 | 1,273,265 | 38.3% | Homa Bay | 164,003 | 608,326 | 27.0% |
| Laikipia | 117,167 | 306,448 | 38.2% | Meru | 253,263 | 949,186 | 26.7% |
| Taita Taveta | 80,310 | 213,335 | 37.6% | Nandi | 124,979 | 492,652 | 25.4% |
| Kirinyaga | 155,445 | 413,708 | 37.6% | Elgeyo Marakwet | 60,018 | 243,690 | 24.6% |
| Kisumu | 240,807 | 656,147 | 36.7% | Baringo | 74,036 | 338,937 | 21.8% |
| Kiambu | 578,979 | 1,623,545 | 35.7% | Lamu | 16,878 | 83,433 | 20.2% |
| Siaya | 188,473 | 536,031 | 35.2% | Samburu | 25,548 | 145,608 | 17.5% |
| Vihiga | 112,997 | 329,317 | 34.3% | Kitui | 106,645 | 624,506 | 17.1% |
| Machakos | 306,943 | 905,172 | 33.9% | Turkana | 79,575 | 468,878 | 17.0% |
| Uasin Gishu | 224,254 | 693,570 | 32.3% | Kwale | 73,502 | 451,261 | 16.3% |
| Muranga | 218,344 | 675,364 | 32.3% | Bomet | 75,344 | 465,963 | 16.2% |
| Trans Nzoia | 163,191 | 518,077 | 31.5% | Narok | 83,195 | 548,229 | 15.2% |
| Embu | 122,464 | 395,980 | 30.9% | Kilifi | 118,712 | 784,567 | 15.1% |
| Tharaka Nithi | 76,089 | 246,699 | 30.8% | West Pokot | 41,199 | 283,727 | 14.5% |
| Mombasa | 247,942 | 804,202 | 30.8% | Garissa | 52,154 | 399,358 | 13.1% |
| Bungoma | 257,957 | 843,735 | 30.6% | Isiolo | 17,344 | 133,358 | 13.0% |
| Nyamira | 104,198 | 341,397 | 30.5% | Wajir | 37,050 | 337,296 | 11.0% |
| Migori | 169,383 | 557,657 | 30.4% | Tana River | 16,111 | 151,051 | 10.7% |
| Nyandarua | 114,358 | 376,776 | 30.4% | Mandera | 35,309 | 341,857 | 10.3% |
| Kisii | 206,649 | 697,445 | 29.6% | Marsabit | 21,343 | 219,170 | 9.7% |
| Busia | 134,430 | 465,190 | 28.9% | Total | 8,424,936 | 27,246,033 | 30.9% |

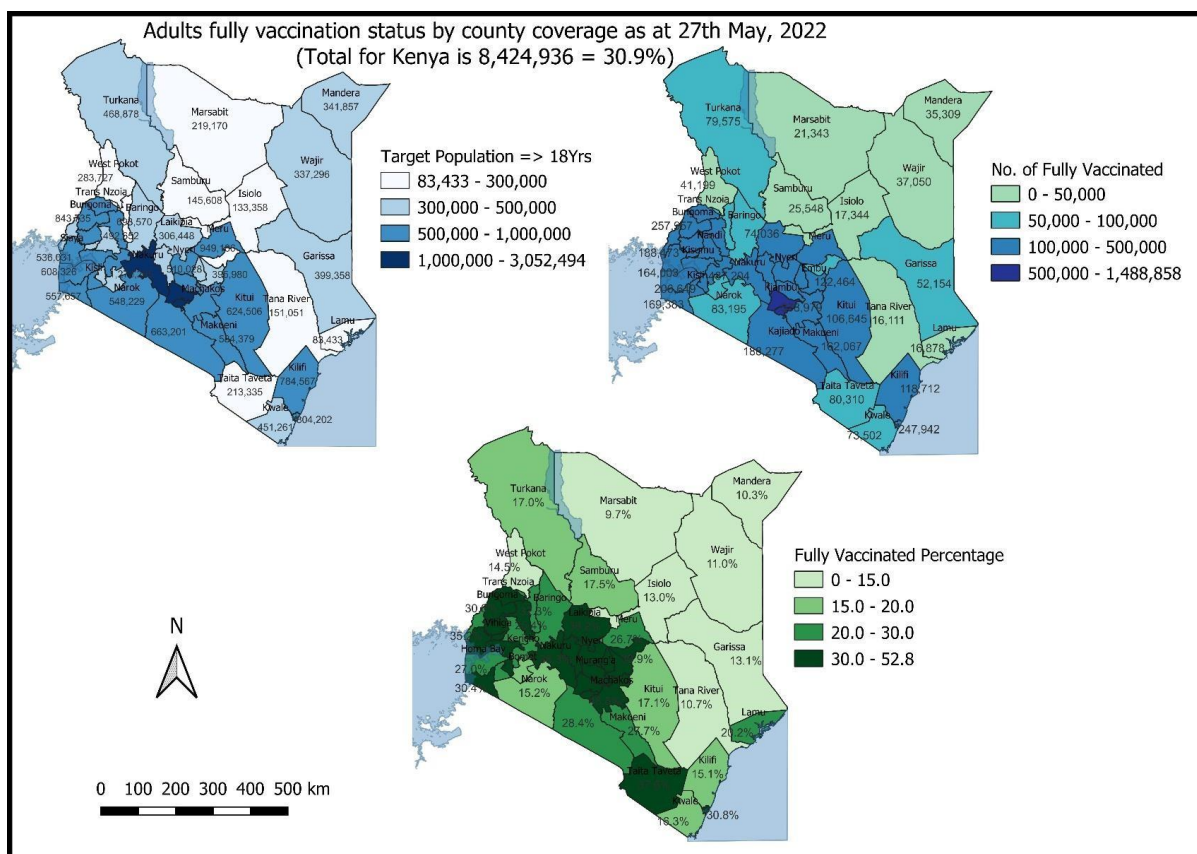


Figure 7: Adult full vaccination coverage by county

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 case is currently admitted in the intensive care unit in 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 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