



NATIONAL PUBLIC HEALTH EMERGENCY OPERATION CENTER (PHEOC), ETHIOPIA

COVID-19 PANDEMIC PREPAREDNESS AND RESPONSE IN ETHIOPIA

WEEKLY BULLETIN

Epi-Week- 36 (September 06 – 12, 2021)

BULLETIN No. 72

I. HIGHLIGHTS

- Delta SARS-COV-2 Variant detected in Ethiopia.
- A total of 47,445 laboratory samples were tested in the Epi-Week-36 bringing the total number of samples tested to 3,325,376.
- A total of 8,120 new confirmed COVID-19 cases and 166 COVID-19 related deaths were reported during the Epi-Week-36 bringing the total cases and death to 323,104 and 4,929 respectively.
- On September 12, 2021, there are 746 cases in severe condition which is higher than the maximum number of daily cases in severe condition in the previous week (727).
- A total of 243,817 COVID-19 confirmed cases have been managed at Home Based Isolation and Care so far; 8,303 of these were enrolled in the Epi-Week-36.
- The number of deaths due to COVID-19, critical cases and the number of positive samples among the tested samples have shown increment in this week.
- COVID-19 responders under Incident Management System celebrated Ethiopian New Year in the national Public Health Emergency Operations Center.



Figure 1: COVID-19 responders celebrating Ethiopian New Year in EOC, September 11, 2021

II. Subjects in Focus:

a) Vaccination against COVID-19 in Ethiopia

- The minimum age for vaccination against COVID-19 is decided to be 18 years in Ethiopia. This is made to increase vaccination coverage and maximize immune population. Hence anyone who is 18 years and more can get vaccinated against COVID-19 in Ethiopia.
- In Ethiopia, a total of 2,794,490 doses of COVID-19 vaccine (either AstraZeneca, Sinopharm or Johnson and Johnson) are administered so far. Among the vaccinated individuals 752,888 (27%) people are fully vaccinated.

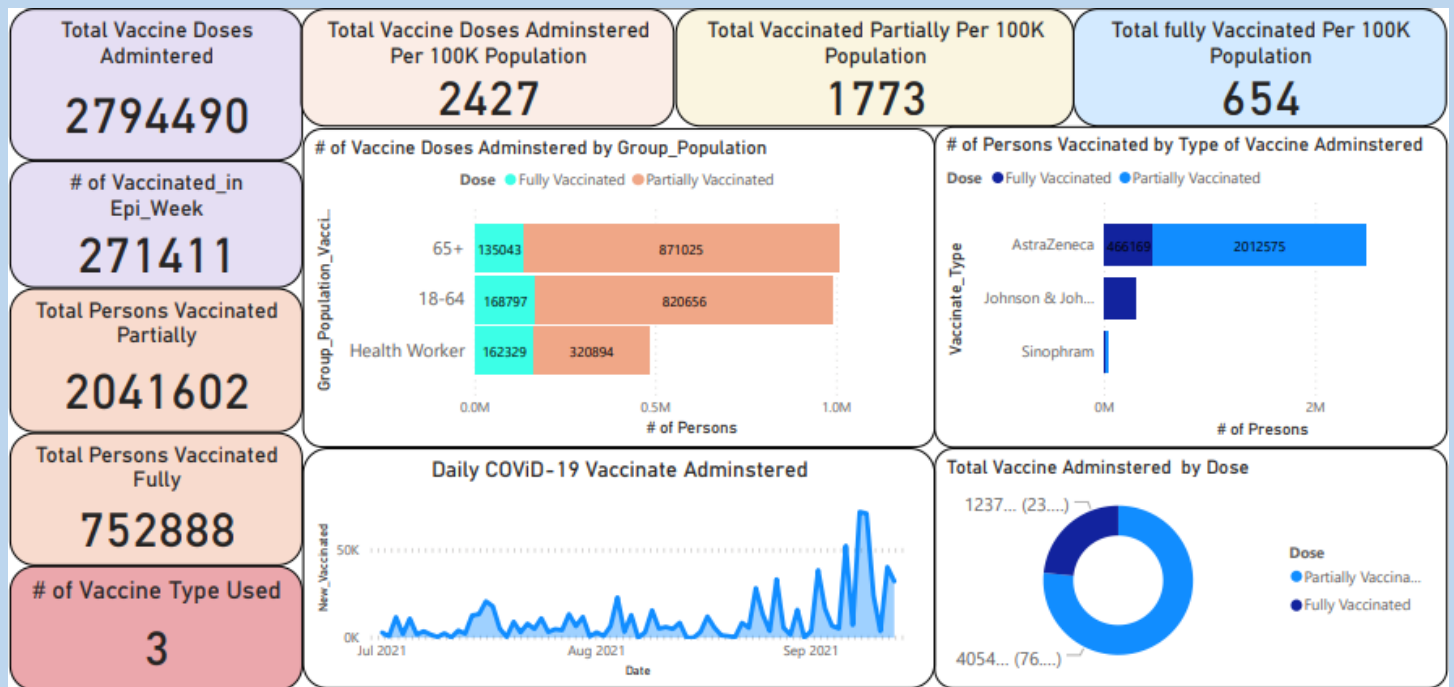


Figure 2: Summary of vaccination against COVID-19 in Ethiopia as of September 12, 2021

b) SARS-COV-2 new variants

- Delta SARS-COV-2 Variant detected in Ethiopia. The Ethiopian Public Health Institute has detected the presence of the COVID-19 Delta Variant in Ethiopia through laboratory diagnosis. The spread of the delta variant is doubled compared to the alpha variant. It exposes people to severe illness in short time span especially for non-vaccinated people, and it's more lethal than the previous variants.
- Among other SARS-COV-2 Variants of Concern Alpha and Beta variants were also detected in Ethiopia by the genomic sequencing conducted in Ethiopia and at Kenya Medical Research Institute (KEMRI). The report regarding these new variants is already disclosed on July 13, 2021.
- The new variants of SARS-COV-2 (Variants of Concern and Variants of Interest) are being detected in new countries and territories. Below are the incidence of the four variants of concern detected in various countries as of September 12, 2021.
 - Globally, cases of the Alpha variant have been reported in 193 (no new) country, territories or areas, while 142 countries (one new country) reported cases of the Beta variant; 96 countries (four new

countries) reported cases of the Gamma variant; 180 countries (six new countries) reported cases of the Delta variant.

III. EPIDEMIOLOGICAL SITUATION

a. Global Situation

- With nearly 5.6 million new cases reported this week (September 06 – 12), the number of new cases reported globally decreased by around 10% compared to the previous week (Figure 3).
- The number of deaths reported globally this week also decreased by around 10% compared to last week, with over 94,000 new deaths reported.
- As of September 12, 2021, a total of 218,093,252 COVID-19 cases and 4,407,817 deaths (CFR=2.02%) have occurred globally. Of the total cases and deaths reported since the beginning of the outbreak, 5,591,238 cases and 94,270 deaths were reported during the Epi-Week-36.
- Generally, the United States of America (USA) reported the highest number of cases followed by India.
- The highest numbers of new cases in the last seven days were reported from the United States of America (1,155,514 new cases), India (819,326 new cases), Brazil (406,819 new cases), the United Kingdom (267,463 new cases) and the Islamic Republic of Iran (184,880 new cases).
- In Africa, as of September 12, 2021, a total of 7,980,654 cases and 199,774 deaths were reported across the continent (CFR=2.50%). Of these 196,196 cases (14% decrease compared to previous week) and 5,833 deaths (9% decrease compared to previous week) were reported during the Epi-Week-36.
- In Africa, South Africa reported the highest number of cases followed by Morocco.
- Ethiopia reported the highest number of COVID-19 confirmed cases in East Africa. See the summary dashboard below.

Total Number of COVID-19 Confirmed Cases Globally

218,093,252

New Confirmed Cases_of Epi_Week Globally

5,591,238

Total Number of Deaths with COVID-19 Globally

4,407,817

New COVID-19 Deaths Globally in the Epi_Week

94,270

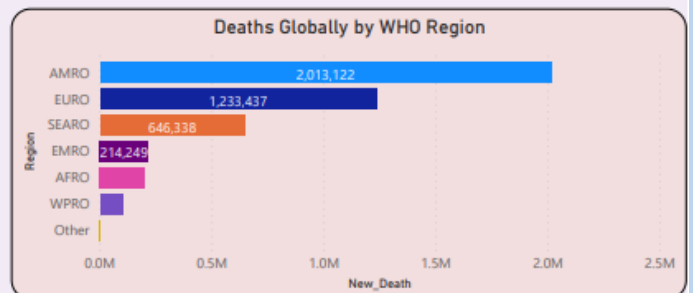
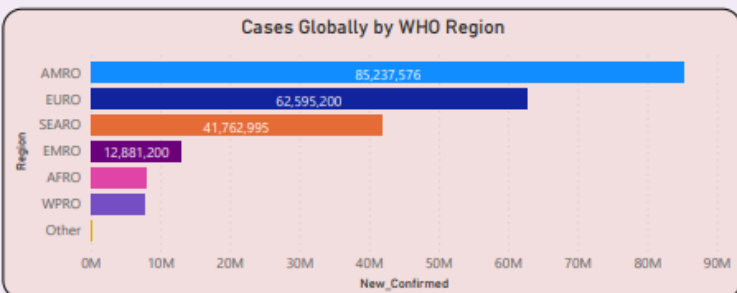
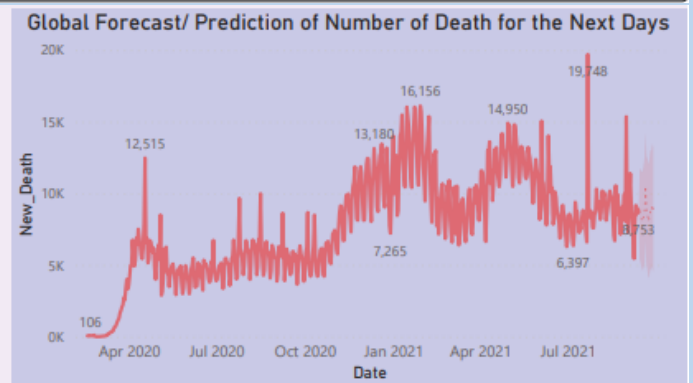
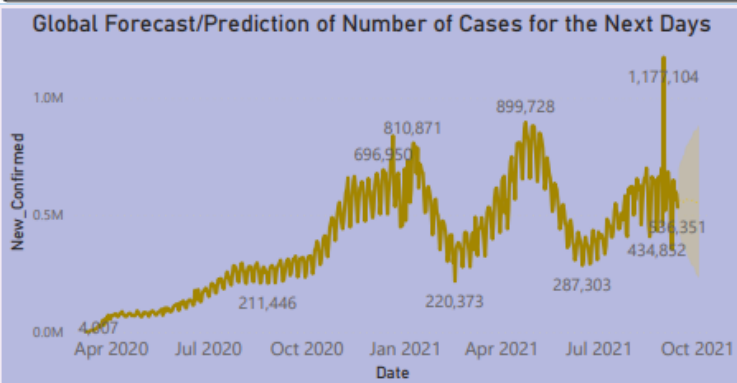
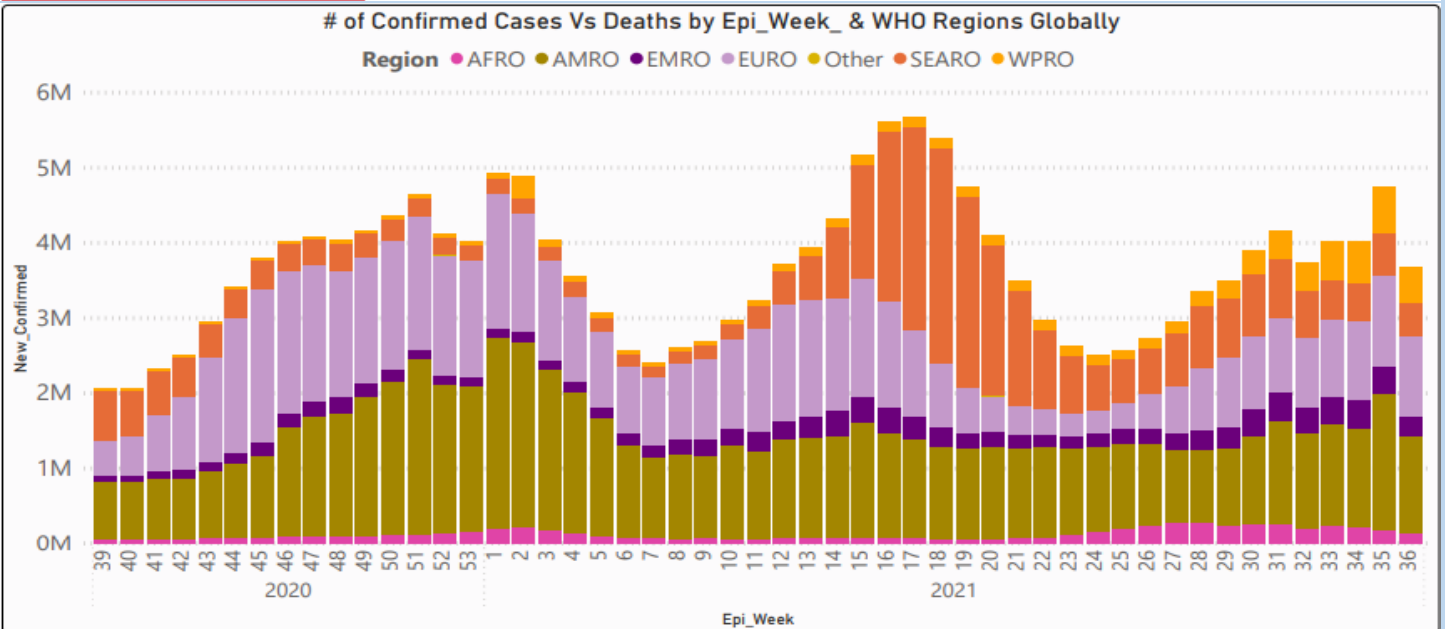
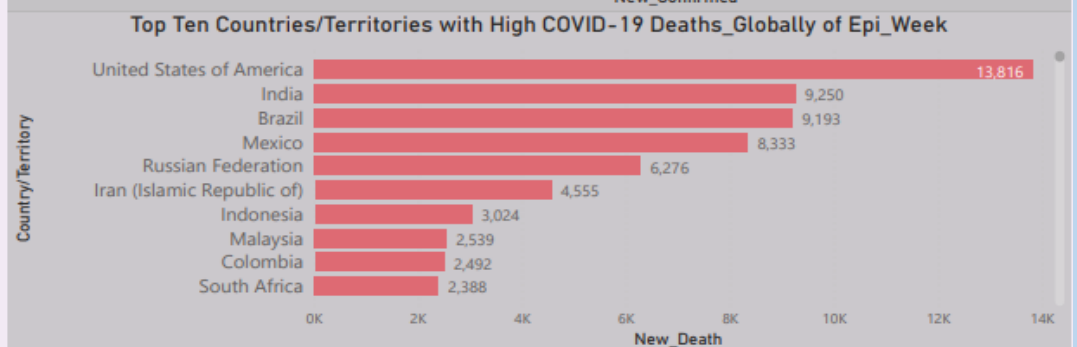
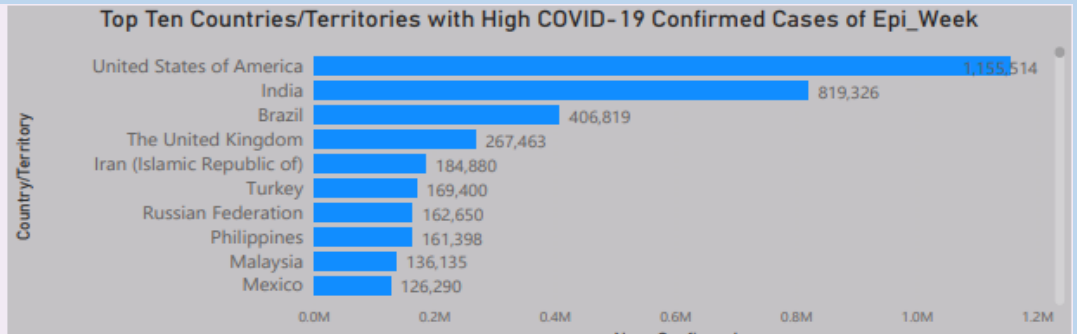


Figure 3: COVID-19 Global Situation Update as of September 12, 2021 (Source: WHO)

Total Number of Cases Confirmed in Africa

7,980,654

New Confirmed Cases in Africa with COVID-19_of Epi_Week

196,196

New Cases in Last 7Days Per 100K Popn. in Africa

1849

Total Number of Deaths in Africa with COVID-19

199,774

New Deaths in Africa with COVID-19_in Epi_Week

5,833

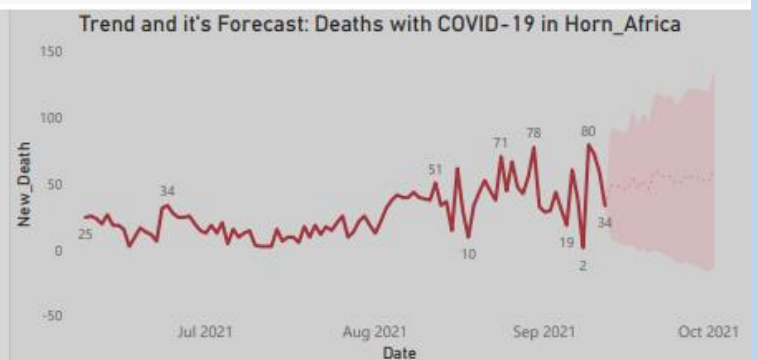
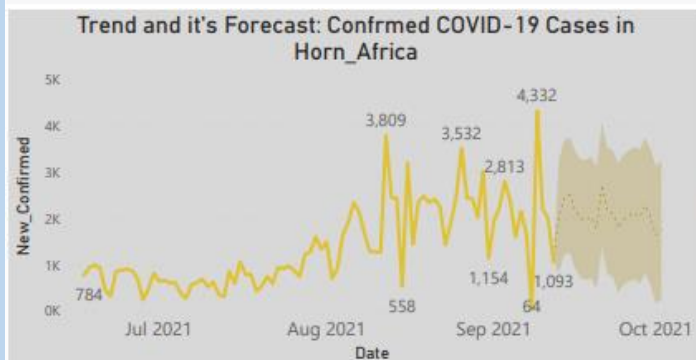
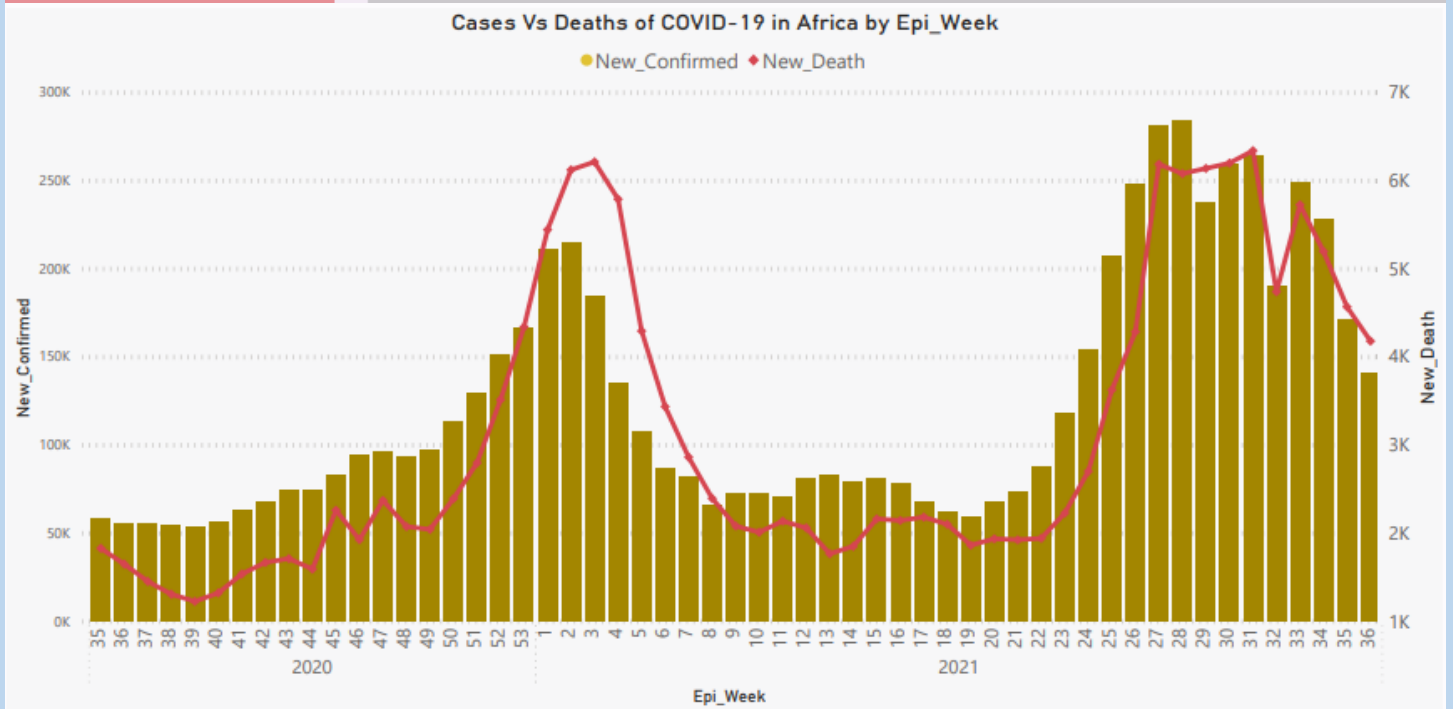
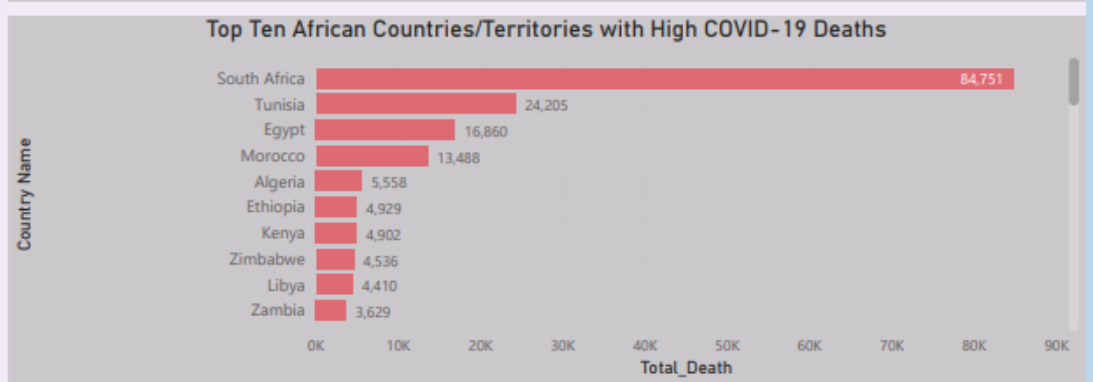
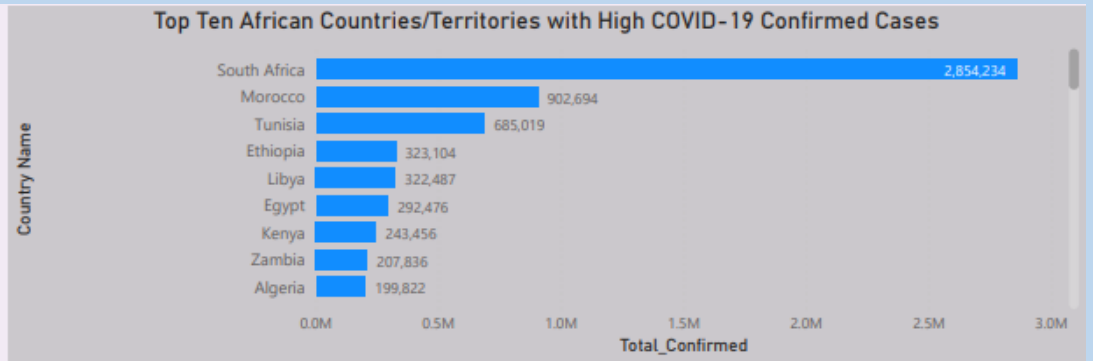


Figure 4: COVID-19 Situation Update in Africa as of September 12, 2021 (Source: WHO)

b. National COVID-19 situation:

- As of September 12, 2021, a total of 323,104 confirmed COVID-19 cases and 4,929 deaths were recorded in the country with a case fatality rate of 1.53%. This puts Ethiopia in the fourth position by the number of confirmed cases and in the six position by the number of deaths due to COVID-19 in Africa.
- Eight-thousand-one-hundred-twenty (8,120) newly confirmed COVID-19 cases and 166 COVID-19 related deaths were reported during the Epi-Week-36.
- In this week, there is 8% decrease in the number of COVID-19 confirmed cases which may be attributed to the decrease in the number of laboratory tests.
- There is a 39% increase in the number of deaths due to COVID-19 compared to the previous week.
- For detail, see the summary dashboard below.

NB: Data from Tigray regional state is as of June 28, 2021.

Table 1: Summary of National COVID-19 situation in the Epi-Week-36 of 2021

Regions	New_Testeds	New_Case	New_HF_Admission	New_Deaths	Positivity Rate	# of Recovery
Addis Ababa	37241	6522	550	120	17.3	6072
Oromia	4105	724	107	20	16.9	207
SNNPR	2358	414	22	4	20.6	263
Sidama	852	221	30	6	29.3	105
Dire Dawa	710	57	4	1	7.4	60
Afar	665	6	0	0	0.9	3
Amhara	650	115	44	10	17.9	27
Harari	400	43	3	3	12.0	11
Somali	269	14	0	0	5.2	0
Benishangul G	167	2	2	2	1.4	9
Gambella	28	2	0	0	4.5	0
Tigray	0	0	0	0		0
Total	47445	8120	762	166	13.4	6757

**** Positivity Rate is the Averages of Regional Distributions

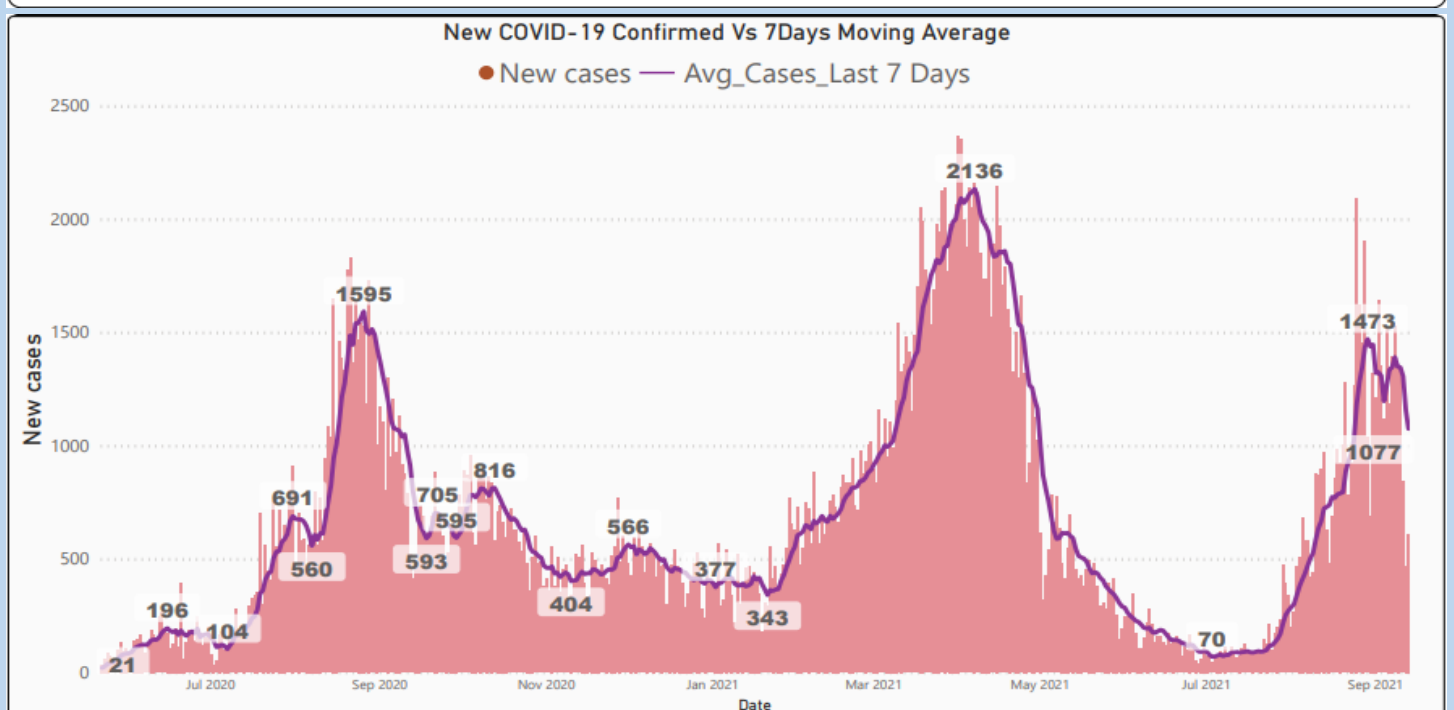
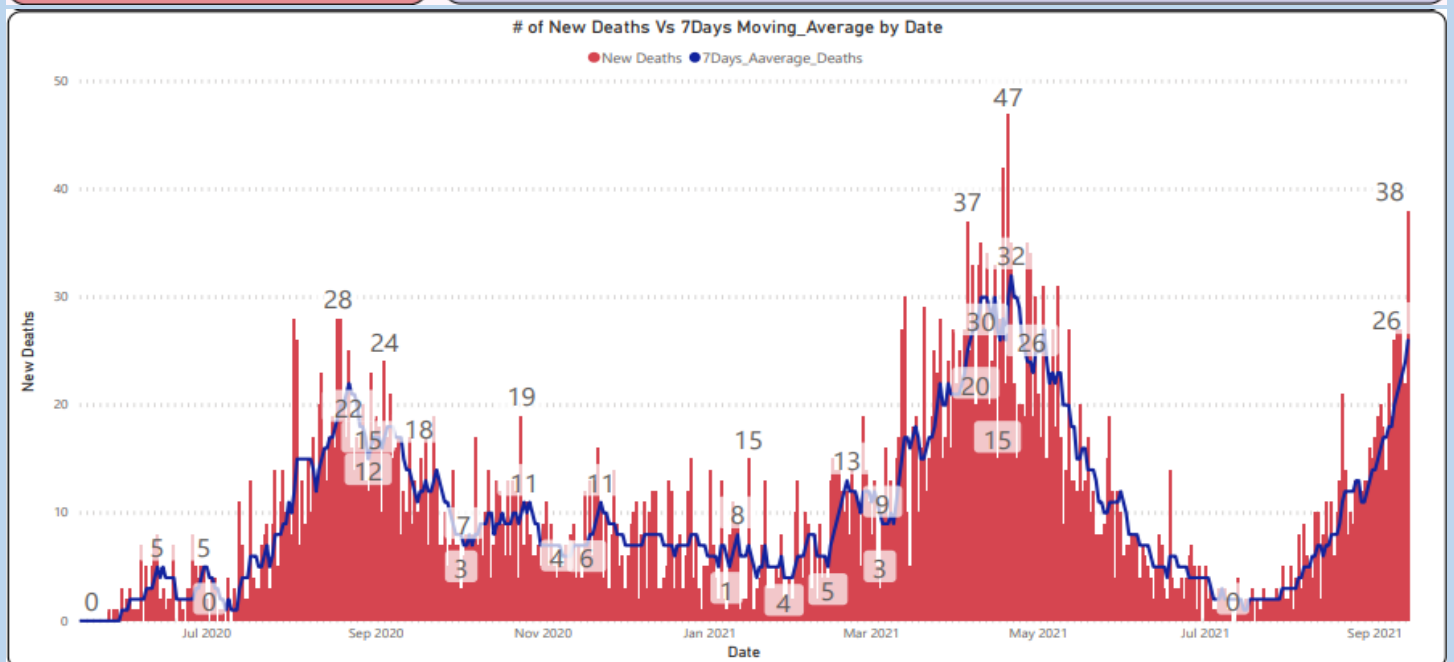
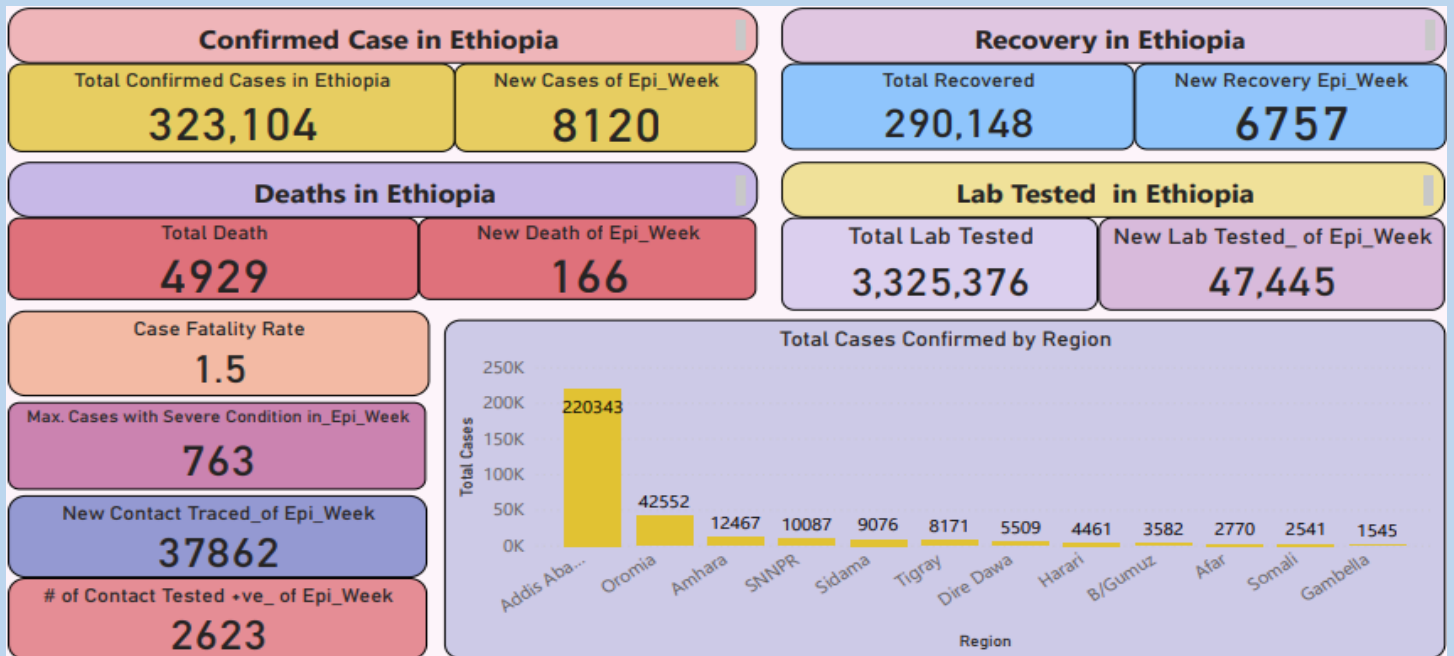


Figure 5: Summary of the COVID-19 situation in Ethiopia as of September 12, 2021, Ethiopia

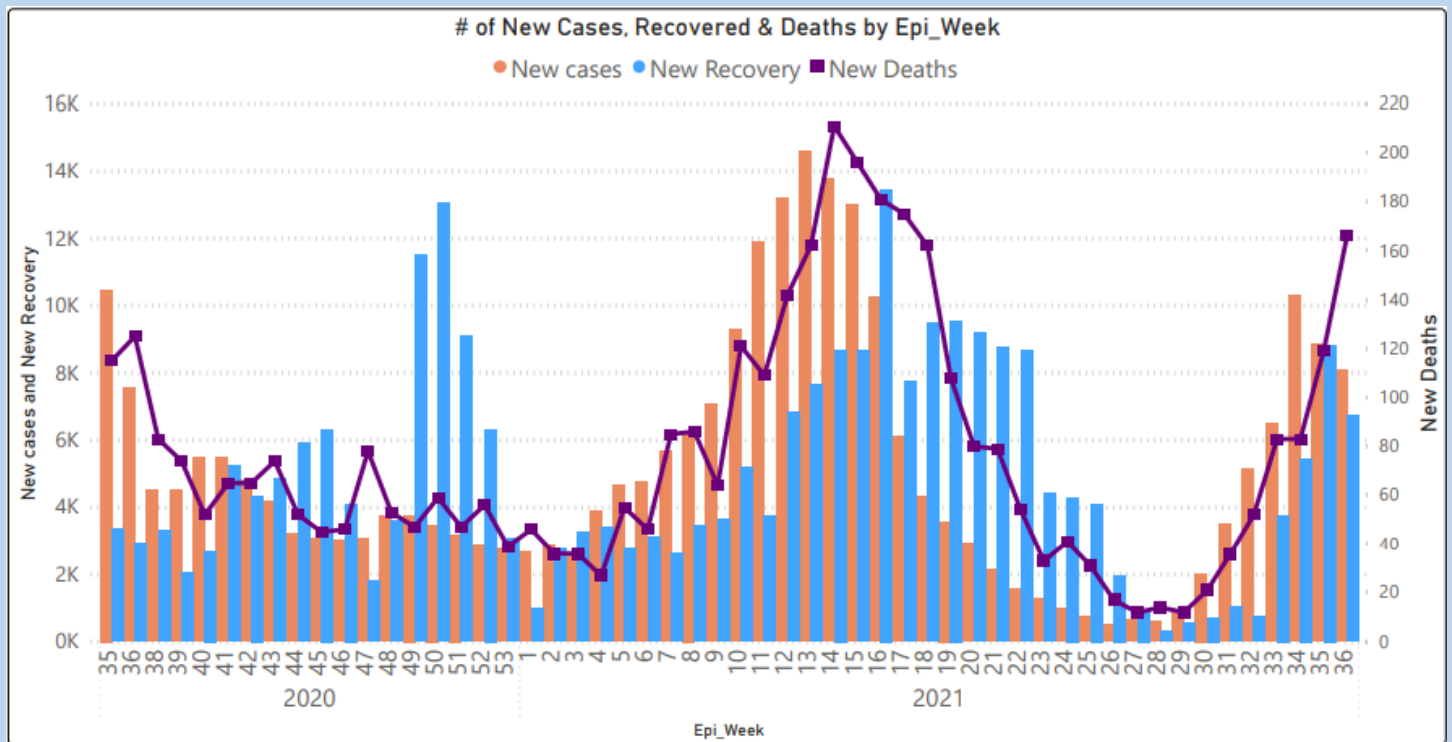


Figure 6: COVID-19 confirmed cases, recovery and death by Epi-Week as of September 12, 2021, Ethiopia

c. Other Epi-Surveillance Related Activities

There is ongoing travelers' health screening at point of entries (POEs), follow-up of international travelers, rumor collection, verification, investigation and information provision via toll free call center, active case detection by house to house search, contact listing, tracing and follow-up of persons who had contact with confirmed cases. There is also laboratory investigation of suspected cases, contacts of confirmed cases, SARI/pneumonia cases and community members, surveillance and assessment in school and congregated setting communities.

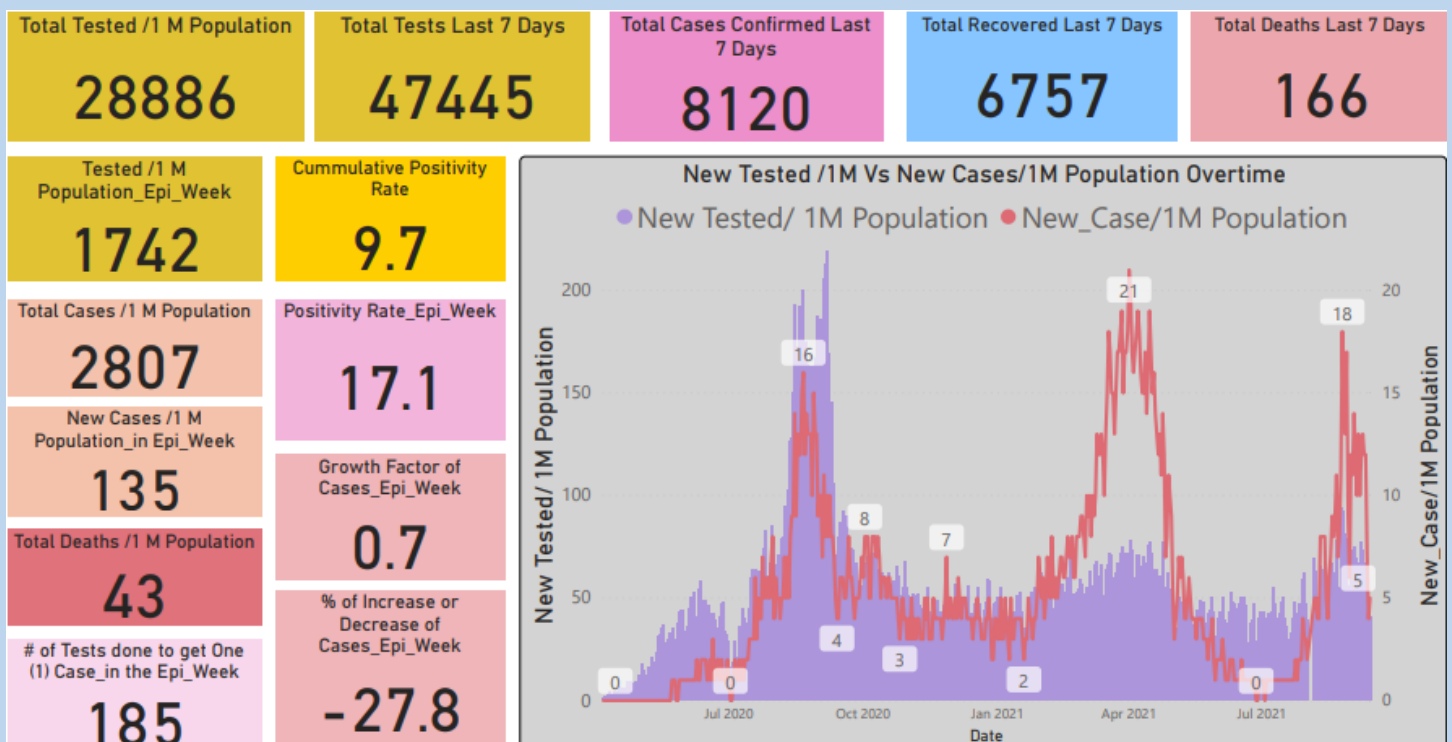


Figure 7: Summary of COVID-19 confirmed cases in Ethiopia as of September 12, 2021.

i. Contact tracing and follow-up:

- Contact tracing is a key strategy for interrupting chains of transmission of SARS-CoV-2 and reducing COVID-19-associated mortality and thus should be enhanced.
- As of September 12, 2021:
 - A total of 409,325 contacts of confirmed cases have been identified. Of these, 6,967 contacts were identified in the Epi-Week-36.
 - Of total contacts, 330,892 (80.83%) have completed follow-up, while 8,846 contacts are still on follow-up.
 - All the contacts traced are from Addis Ababa and Dire Dawa city administrations and SNNPR; no contact tracing activity is reported from other regions.
- Overall, 42,829 (10.46%) of the contacts (symptomatic plus asymptomatic) have been tested positive.
- Contacts of the confirmed cases contributed for the 13.26% of the total cases. However, when there is transmission of the disease at community level, it is known that an individual acquires the disease from unknown/unidentified contacts.

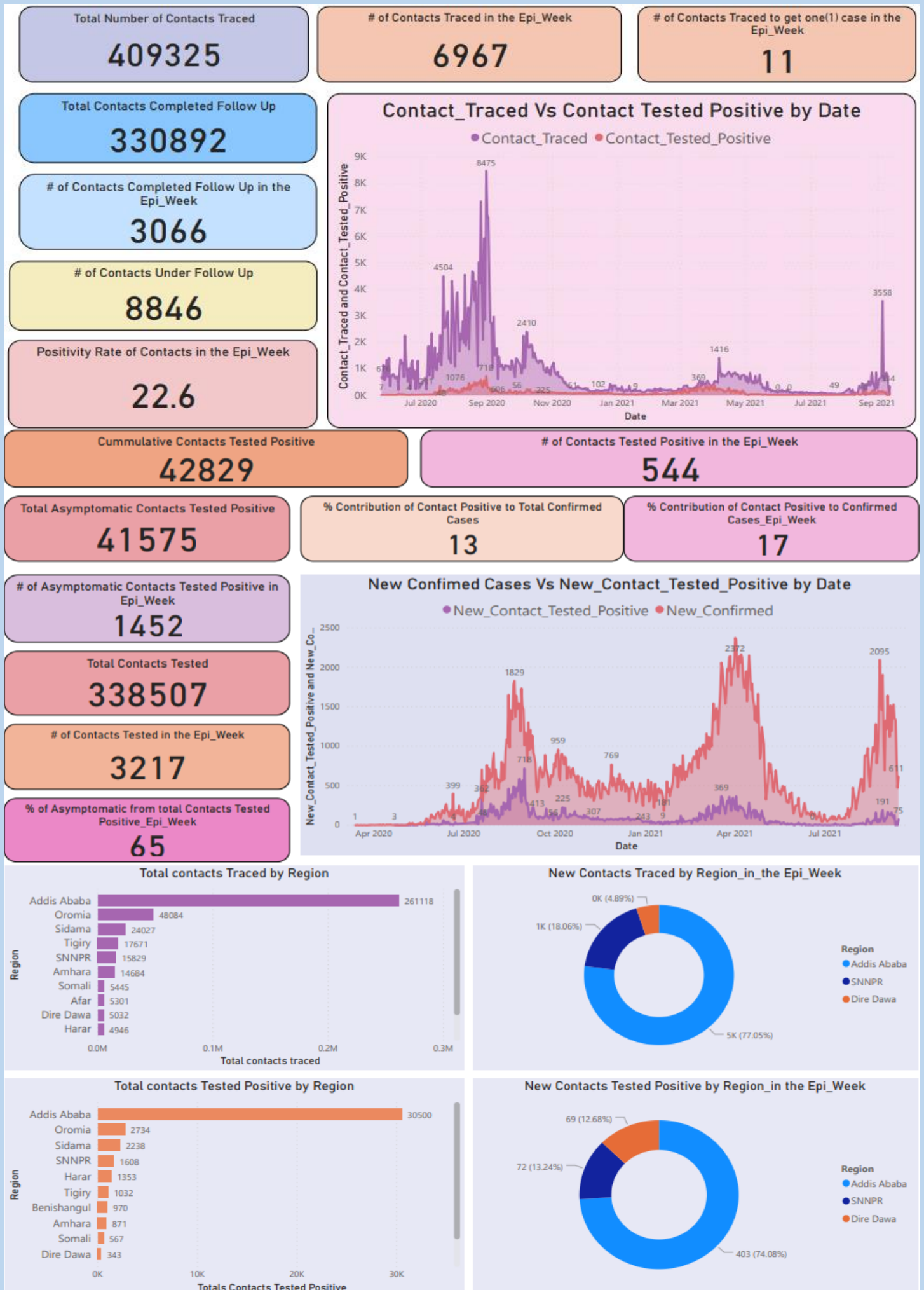


Figure 8: Summary of COVID-19 contact tracing as of September 12, 2021, Ethiopia.

ii. Rumors collection and verification from all sources

- COVID-19 related rumors are received from different sources: Call centers, Health facilities, Contact follow up, Self-report, Travelers follow up, Point of Entry (PoE), Community surveillance and Special Settings.
- As of September 12, 2021:
 - 392,953 rumors/alerts have been received and investigated. Of these, 23 rumors were reported in the Epi-Week-36.
 - 279,089 (71.02%) of the rumors/alerts have fulfilled the suspected case definition.
- 14,184 COVID-19 related calls are received through call centers in this Epi-week.

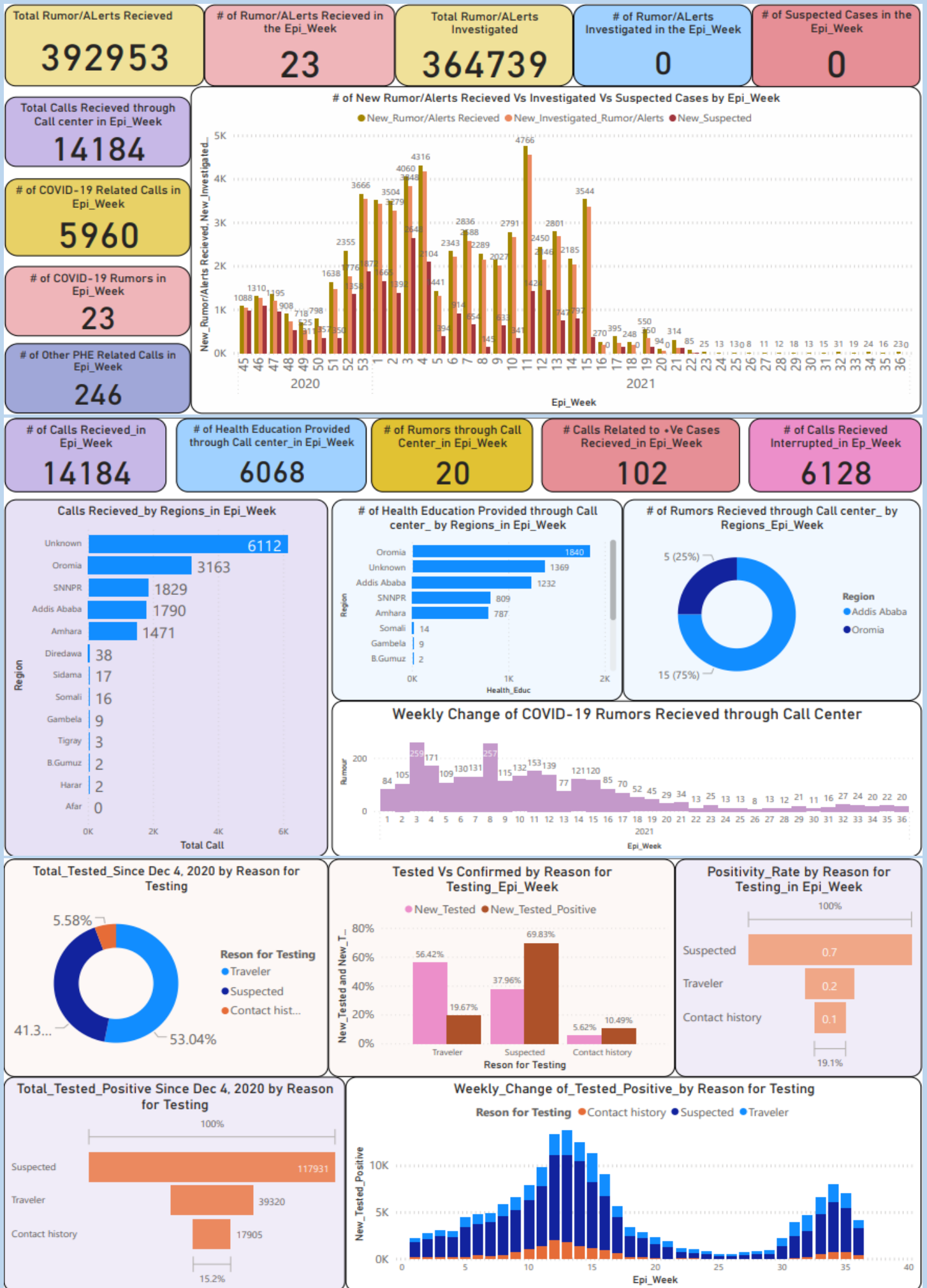


Figure 9: Summary of COVID-19 rumor/alert investigation as of September 12, 2021, Ethiopia.

iii. Point of entry and Quarantine related activities

- Since the start of the outbreak, 2,653,312 passengers have been screened at the Point of Entries of Ethiopia and 816,064 (31%) of them were screened at Bole International Airport.
- Of the total passengers screened, 23,361 were screened for COVID-19 in the Epi-Week-36.
- As of September 12, 2021, among the passengers coming with COVID-19 PCR test result certificates 58 (two in Epi-week-36) passengers with PCR positive certificates were identified during health screening. A total of 94 (one in week-36) SARS-COV-2 positive cases have been detected by RT-PCR after arrival laboratory test.
- Antigen Rapid Diagnostic Test (Ag-RDT) for COVID-19 is also being done at Bole International Airport for returnees. So far, 3,612 tests (936 in week-36) are conducted among which 59 positive cases (two in week-36) are detected as of September 12, 2021.
- A total of 60,899 returnees were received through Bole International Airport since April 28, 2021. A total of 1,187 returnees were received in the Epi-week-36. The returnees are admitted to Wosen, Kotebe, Gurdsholla, Megenagna, Kirkos, Nifasilk Lafto, Gerji and Entoto returnee centers. 59,372 returnees are discharged and there are 1,527 returnees currently in returnees' centers as of September 12, 2021.

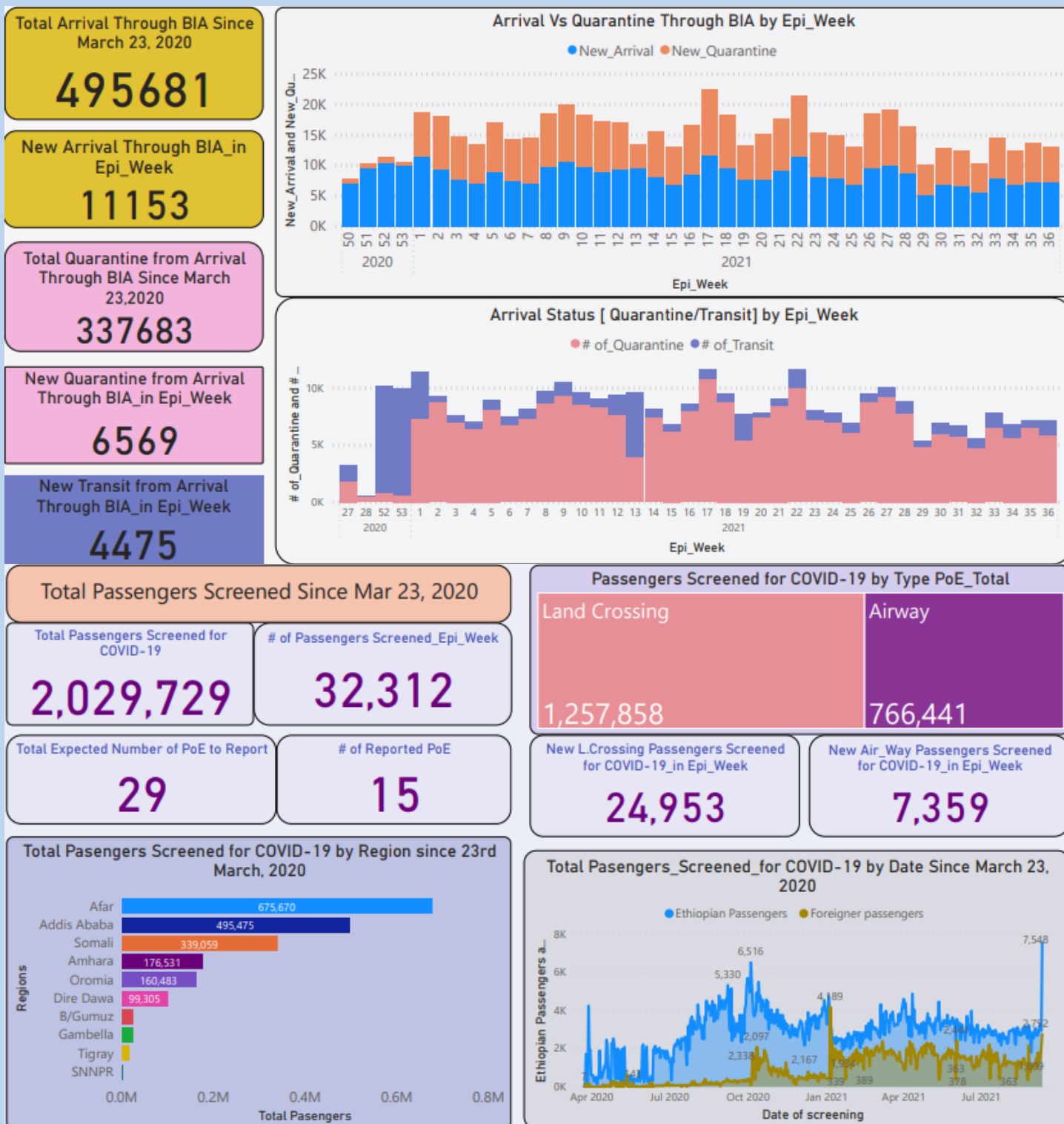


Figure 10: Summary of Passengers screening for COVID-19 as of September 12, 2021, Ethiopia.

IV. Laboratory related activities

- As of 12 September 2021, a total of 3,325,376 samples have been tested for COVID-19 by laboratories across the country.
- 47,445 laboratory tests were processed during the Epi-Week-36 which is a 9% decrease compared to number of tests performed in the previous week.
- The laboratory positivity rate for the Epi-Week-36 is 17.11%, which is higher than that of the preceding week (16.96%).

- Sidama, SNNPR, Amhara and Oromia regional states and Addis Ababa city administration have reported positivity rates higher than the national weighted average (figure 12 below).
- Among the total COVID-19 laboratory tests performed in Ethiopia, a total of 256,659 laboratory tests are performed by Ag-RDT among which 11,028 is performed in the Epi-week-36 (figure 11 below).

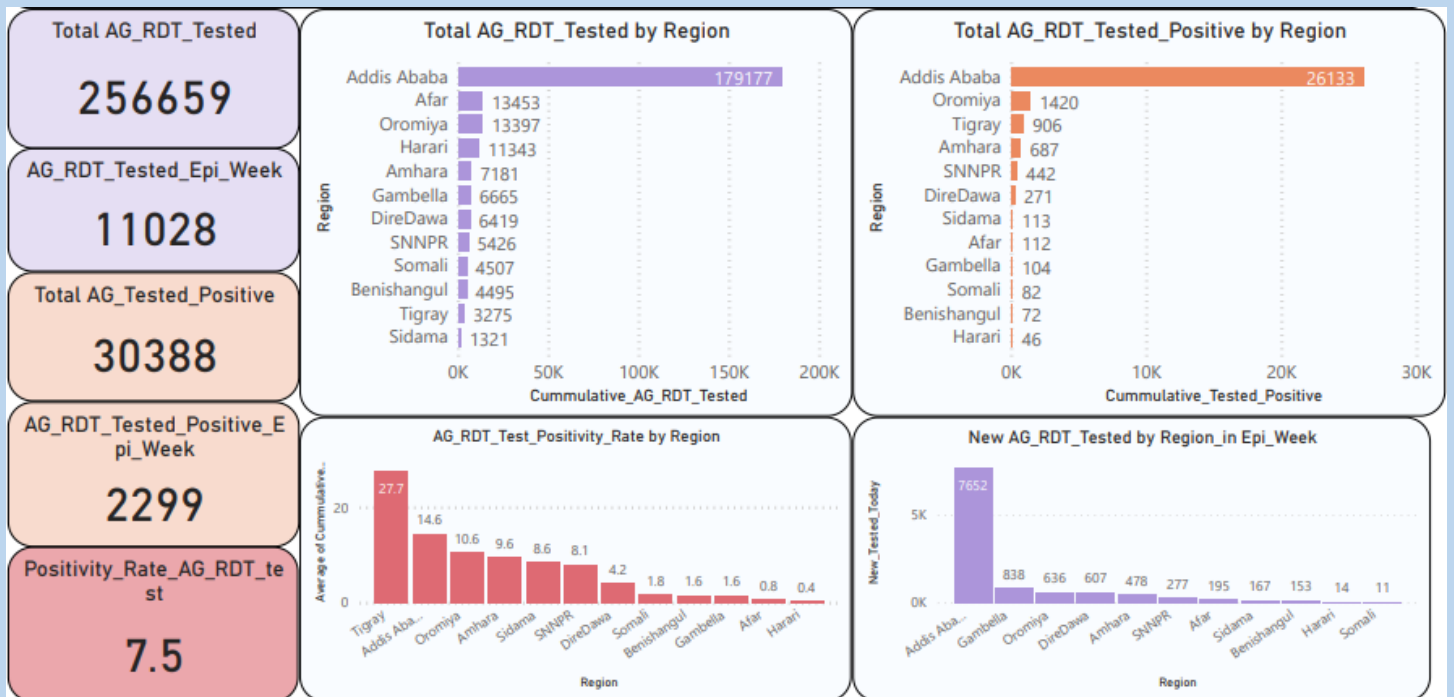
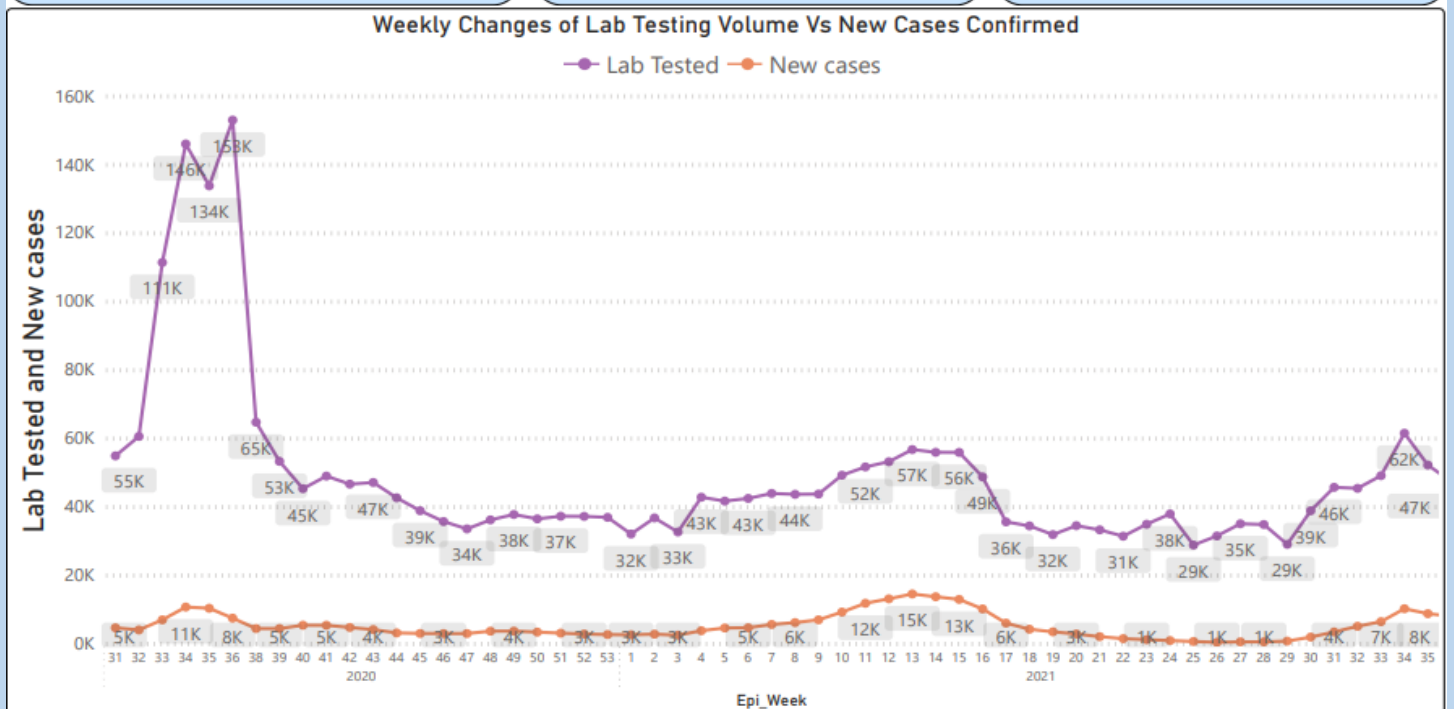
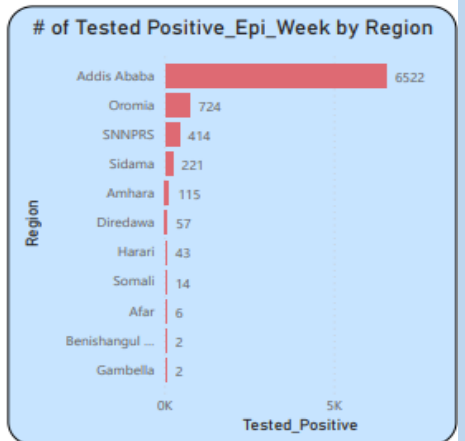
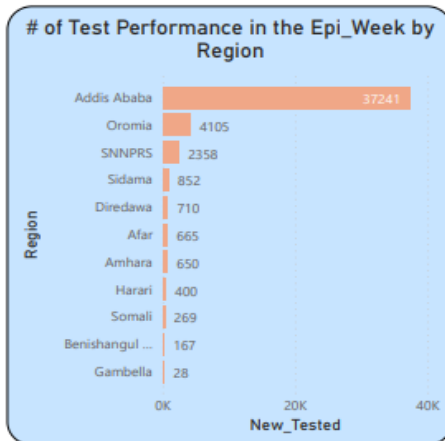
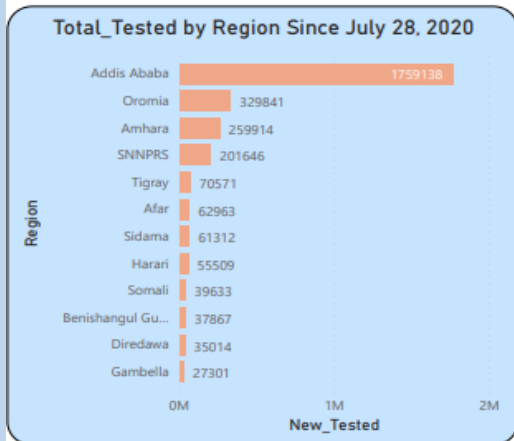
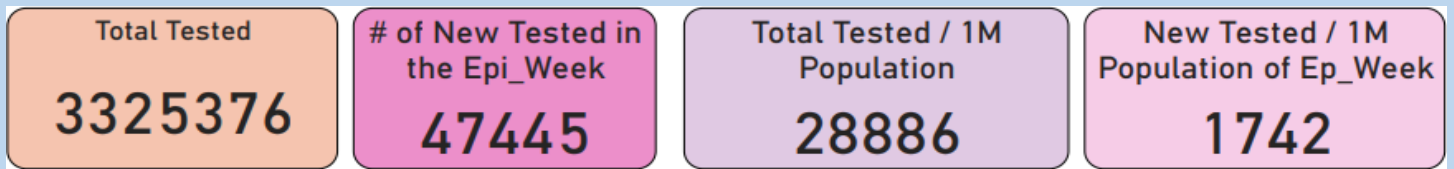


Figure 11: Update on laboratory tests performed by Ag-RDT, as of September 12, 2021



Region/City Admn	New_Tested	Tested_Positive	New_Deaths	Positivity_Rate
Addis Ababa	37241	6522	120	17.2
Oromia	4105	724	20	16.8
SNNPRS	2358	414	4	20.7
Sidama	852	221	6	29.3
Diredawa	710	57	0	7.4
Afar	665	6	0	0.9
Amhara	650	115	10	17.8
Harari	400	43	4	12.0
Somali	269	14	0	5.3
Benishangul Gumuz	167	2	2	1.3
Gambella	28	2	0	4.4
Tigray	0	0	0	
Total	47445	8120	166	13.4

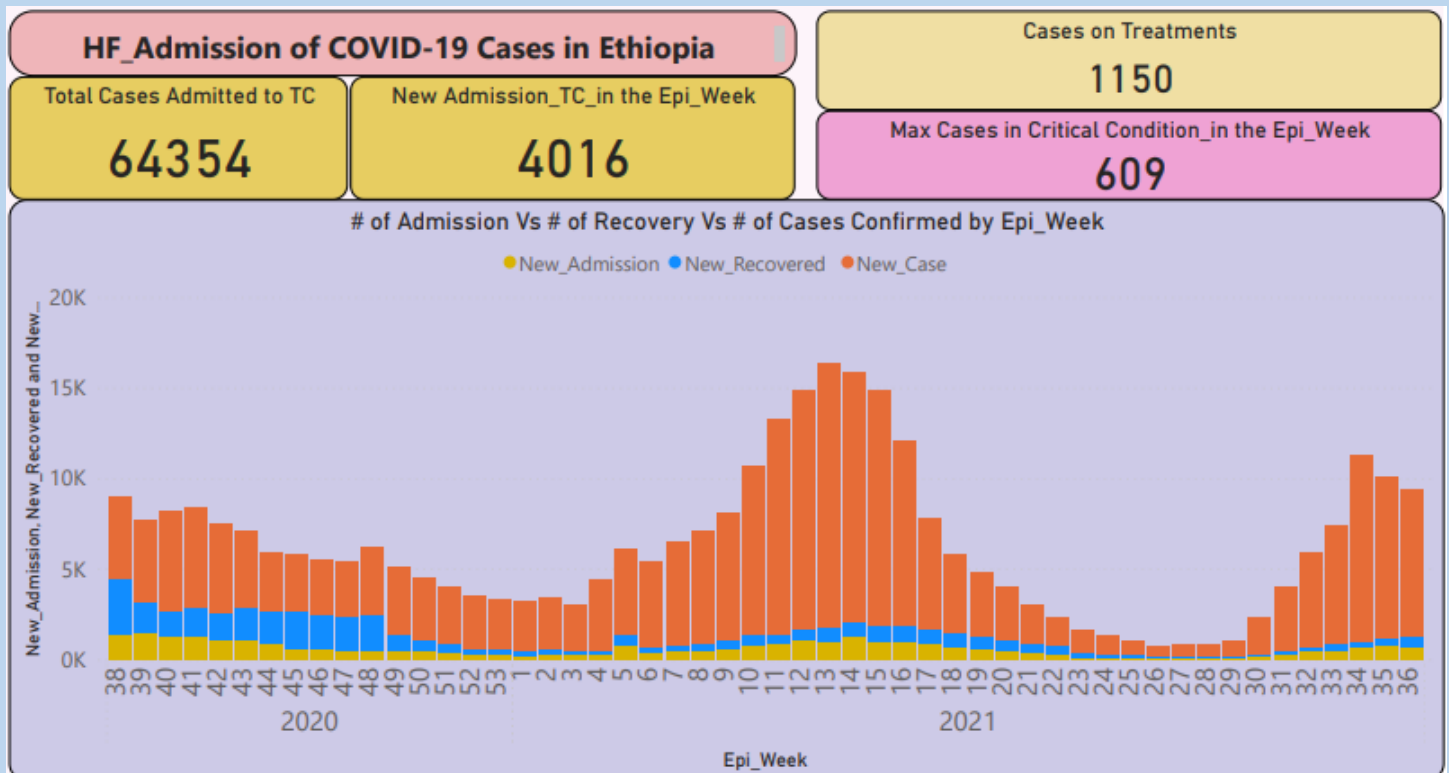
***** Positivity Rate is average of Regional Distn of Rates

Figure 12: Summary of COVID-19 laboratory testing as of September 12, 2021, Ethiopia.

V. Case Management and Facility Readiness

a. COVID-19 treatment center

- There were total of 6,757 newly recovered COVID-19 cases during the Epi-Week-36, bringing the total number of recovered cases to 290,748 (both from COVID-19 treatment center and from HBIC). This brings the overall recovery rate to 90%.
- The number of cases in severe condition is increasing for the last seven consecutive weeks. On September 12, 2021, there are 746 cases in severe condition which is higher than the maximum number of daily cases in severe conditions in the previous week (727).



HF=Health Facilities TC=Treatment Center

Figure 13: Summary of COVID-19 cases in Health Facilities/Treatment centers, as of September 12, 2021.

Table 2: Summary of COVID-19 cases at treatment centers as of September 12, 2021

Regions	Total_Case	New_Case	Total_Admission	New_Admission	Total_Death	Total_Recovered	On_Treatment	Critical_Case
Addis Ababa	220343	412	33085	50	3356	28250	832	602
Oromia	42552	38	7659	15	567	6933	161	86
Amhara	12467	0	4709	2	279	4379	39	23
SNNPR	10087	14	4518	1	190	4328	67	15
Sidama	9076	5	3517	2	189	3250	31	8
Tigray	8171	0	5290	0	59	5222	0	0
Dire Dawa	5509	0	1203	2	72	1119	12	5
Harari	4461	1	1292	0	159	1125	6	6
Benishangul G	3582	0	908	1	22	883	1	1
Afar	2770	2	826	0	5	812	0	0
Somali	2541	0	665	0	58	603	1	0
Gambella	1545	0	682	0	8	649	0	0

b. Home Based Isolation and Care (HBIC):

- So far, 243,817 COVID-19 confirmed cases have been on HBIC. Of them 233,308 (95.69%) have recovered and 38 (0.016%) died.
- Of these, 8,303 cases have been enrolled to HBIC and 6,256 cases have recovered in the Epi-Week-36.
- As of September 12, 2021, there are 11,586 cases on HBIC.
- So far, 2,136 (144 in the Epi-week-36) of the cases have been transferred from treatment centers to HBIC after improvement.
- So far, 1,021 (40 in the Epi-week-36) of the cases have been transferred from HBIC to treatment centers for better care.

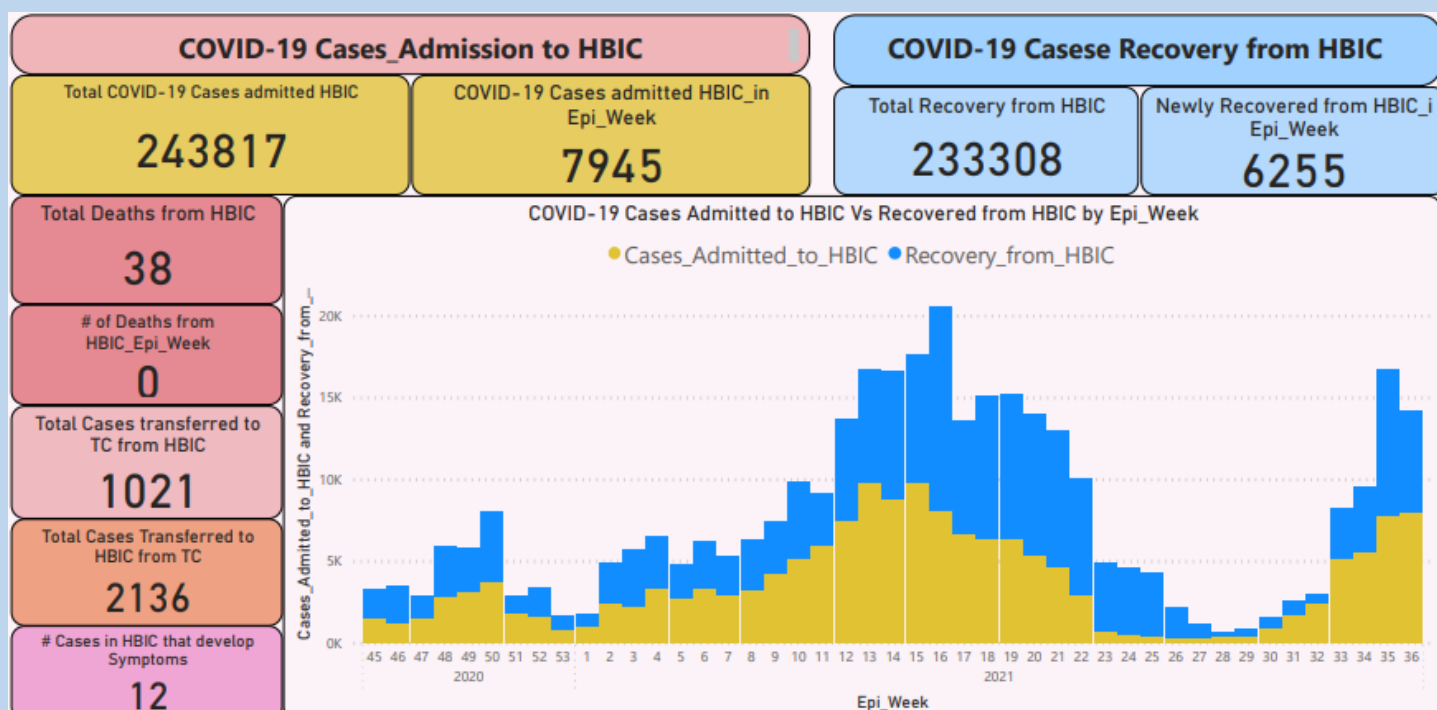


Figure 14: Summary of COVID-19 Home Based Isolation and Care in Ethiopia, as of September 12, 2021.

VI. Risk Communication and Community Engagement (RCCE)

- Media (mass media and social media) monitoring on COVID-19 related information is ongoing.
- Press release provided by Ministry of Health and Ethiopian Public Health Institute on the current situation of COVID-19 pandemic in Ethiopia and new variants of SARS-COV-2.



Figure 15: Press release on COVID-19 situation in Ethiopia, September 07, 2021

- COVID-19 related key messages and updates shared on social media.



Figure 16: COVID-19 key messages and situation update as of September 12, 2021 shared on social media.

VII. Coordination and Leadership

- The national PHEOC is collaboratively working with stakeholders: government agencies, partner organizations, UN agencies, embassies, hospitals, Industrial parks and others.
- Morning briefing of IMS is being conducted every day by core IMS staffs and key partners' representatives.
- Weekly joint meeting is ongoing, every Tuesday, among the national and regional Emergency Operations Centers COVID-19 response IMS (incident management system) to evaluate weekly COVID-19 situations, progress of response strategies, challenges faced and way forwards.
- The virtual meeting of Joint Steering Committee encompassing MOH, Agencies and RHB top leadership under the leadership of H.E Minister of Health is ongoing.

- COVID-19 responders under Incident Management System celebrated Ethiopian New Year in the national Public Health Emergency Operations Center. The staff celebrated the New Year while working the emergency response activities. Mr. Aschalew Abayneh, EPHI Deputy Director General and COVID-19-response Incident Manager, and Dr. Mikiyas Teferi, COVID-19-response Deputy Incident Manager, attended the celebration, expressed their good wishes and acknowledged the team responding to the pandemic.



Figure 17: COVID-19 responders celebrating Ethiopian New Year in PHEOC, September 11, 2021

VIII. COVID-19 timeline

- Various major events and major activities have occurred since the COVID-19 pandemic is declared globally.



Figure 18: COVID-19 related events and major activities timeline

IX. Challenges and Way Forward

a. Challenges

- Increase in COVID-19 cases resulting in Intensive Care Unit beds and Mechanical Ventilators shortage.
- Poor adherence to the public health and social measures by public figures and leaders.
- Poor attention given to COVID-19 at all levels by all responsible bodies.
- Weak law enforcement efforts to enhance adherence to COVID-19 prevention and control measures.
- COVID-19 vaccine related misinformation and hesitancy.
- Low utilization of Antigen-Rapid Diagnostic Test kits by facilities despite its distribution to all regions and capacity building activities.

b. Way Forward

- Orienting the public and stakeholders on [directive 803/2013](#).
- Enhancing law enforcement to enhance public health and social measures by all responsible bodies.
- Continuing the COVID-19 vaccination.
- Intensifying risk communication and community engagement activities.
- Strengthening collaboration and coordination with key stakeholders and partners.
- Advocating and strengthening Home Based Isolation and Care (HBIC).
- Conducting intensive testing of high-risk population group and contacts of confirmed cases for COVID-19.
- Enhancing technical support, coordination and timely and accurate information sharing at all levels.
- Intensification of a capacity building trainings and orientation including through virtual/online platforms.
- Strengthening and sustaining other essential health services besides COVID-19.
- Enhancing performance and follow up on Antigen Rapid Diagnostic Test Kits from regional COVID-19 testing sites.

X. Public Health Policy Recommendation

Advice for the Public:

- The community should protect themselves from those who try to supply COVID-19 vaccines and other drugs illegally and report them to the police when they encounter them. We would like to thank the community and the Addis Ababa Police for their involvement in the recent crackdown on the illegal trade in vaccines.

- COVID-19 vaccines should be provided to the public only at public health facilities and free of charge. According to the program developed by the Ministry of Health, COVID-19 vaccines are still being given to priority groups at public health institutions at all levels.
- For any individual confirmed to have COVID-19 and who is candidate for Home Based Isolation and Care:
 - Properly isolate from other family members.
 - Take full responsibility in prevention of transmission
 - Strictly adhere to the National Directive of Home-Based Isolation & Care.
 - Provide reliable information during regular follow up either by phone or home visit.
 - Report to nearest health facilities/follow up team in case of any emergency, appearance of new symptoms or worsening of existing symptoms.
- It is important to be informed of the situation and act appropriately to protect yourself and your family.
 - Wash hands frequently;
 - Don't touch your mouth, nose or eye by unwashed hands;
 - Keep physical distancing; avoid mass gathering and shaking hands;
 - Get vaccinated against COVID-19.
- For most people, COVID-19 infection will cause mild illness however, it can make some people very ill and, in some people, it can be fatal.
- Older people, and those with pre-existing medical conditions (such as cardiovascular disease, chronic respiratory disease or diabetes) are at risk for severe disease.
- If anybody had contact with a COVID-19 confirmed patient, he/she should call 8335 or 952 or report to regional toll-free lines or to the nearby health facilities.

National/Regional official websites, social media pages and toll-free hotline for COVID-19 information

MOH/EPHI/Region	Facebook page	Toll-free hotline	Email address (PHEOCs email)
Ethiopian Public Health Institute Main Website	https://www.eph.gov.et/	8335/952	ephieoc@gmail.com
Ethiopian Public Health Institute COVID-19 Website	https://covid19.eph.gov.et/		
Ethiopian Public Health Institute Facebook Page	https://www.facebook.com/ephipa/ge/		
Ethiopian Public Health Institute Twitter Page	https://twitter.com/EPHIEthiopia		
Ethiopian Public Health Institute Telegram Channel	https://t.me/EthPHI		
Ethiopian Public Health Institute YouTube Channel	https://www.youtube.com/channel/UCvTzeY-IJiQfEFBULH9Mkw		
Ministry of Health, Ethiopia Website	www.moh.gov.et	952	
Ministry of Health, Ethiopia Facebook Page	https://www.facebook.com/EthiopiaFMoH/		
Afar Regional Health Bureau	https://www.facebook.com/afarrhb.org/	6220	afarpheoc@gmail.com

Amhara Regional Health Bureau	https://www.facebook.com/Amhara-Healthbureau-682065755146948/	6981	aphieoc@gmail.com
Benishangul Gumuz Regional Health Bureau	https://www.facebook.com/Benishangul-Gumuz-Health-Bureau-1676282159265517/	6016	bgpheoc@gmail.com
Gambela Regional Health Bureau	https://fb.me/gambellaregionhealthbureau	6184	gambellapheoc@gmail.com
Harari Regional Health Bureau	https://www.facebook.com/Harari-Regional-Health-Bureau-1464182130355007/	6864	hrhbpheoc@gmail.com
Oromia Regional Health Bureau	https://www.facebook.com/OromiaHealth/	6955	oromiapheoc@gmail.com
Somali Regional Health Bureau	https://www.facebook.com/srhbdotcom/...	6599	somalipheoc@gmail.com
SNNP Regional Health Bureau	https://www.facebook.com/snnprhealthbureau/?ref=br_rs	6929	snnppheoc@gmail.com
Tigray Regional Health Bureau	https://www.facebook.com/tigrayrhb/	6244	tigraypheoc@gmail.com
Sidama PHEM			sidamapheoc@gmail.com
Dire Dawa city Administration Health Bureau	https://www.facebook.com/Dire-Dawa-Administration-Health-Bureau-1371606266279524/	6407	ddpheoc@gmail.com
Addis Ababa City Administration Health Bureau	https://www.facebook.com/aahb.gov.et/	6406	aapheoc@gmail.com

COVID-19 updates and sources of evidence:

Source	Link
WHO Coronavirus (COVID-19) dashboard	https://covid19.who.int/
Africa CDC Dashboard, COVID-19 Surveillance Dashboard	https://au.int/en/covid19
WHO COVID-19 daily situation reports	https://www.who.int/emergencies/diseases/novel-coronavirus-2019/situation-reports
WHO Academy mobile learning app for health workers, COVID-19 information	Android- https://play.google.com/store/apps/details?id=org.who.WHOA Apple- https://apps.apple.com/us/app/who-academy/id1506019873

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Call-Centers
FOR MORE INFO and
ALERT NOTIFICATION on
COVID-19



The above presented Quick Reader (QR) code takes you to a portal that you can access updates and all COVID-19 related information available (<https://covid19.ephi.gov.et/covid-19/>)

DISCLAIMER

This weekly bulletin is produced based on figures pulled from official releases of the World Health Organization and activities and reports of all the sections under the Incident management System.

This Weekly Bulletin series of publications is published by the Ethiopian public health Institute (EPHI), public health emergency operation center (PHEOC). The aim of this bulletin is to inform decision makers within the institute and FMOH, UN agencies and NGOs about COVID-19 preparedness and response activities.

All interested health and other professionals can get this bulletin at the Institute website; www.ephi.gov.et

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