



## NATIONAL PUBLIC HEALTH EMERGENCY OPERATION CENTER (PHEOC), ETHIOPIA

### COVID-19 PANDEMIC PREPAREDNESS AND RESPONSE IN ETHIOPIA

## WEEKLY BULLETIN

Epi-Week- 18 (May 03 – 09, 2021)

BULLETIN No: 54

Issue Date: May 16, 2021

## I. HIGHLIGHTS

- A total of 34,510 laboratory samples were tested in the Epi-Week-18 bringing the total number of samples tested to 2,620,593.
- A total of 4,318 new confirmed COVID-19 cases and 162 COVID-19 related deaths were reported during the Epi-Week-18 bringing the total cases and death to 262,702 and 3,888 respectively.
- A total of 173,461 COVID-19 confirmed cases have been at Home Based Isolation and Care so far; 6,108 of these are enrolled in the Epi-Week-18.
- Out of total of 361,807 contacts of COVID-19 confirmed cases, 4,049 contacts were identified during the Epi-week-18.
- National PHEOC & Regional PHEOCs IMS joint meeting conducted on COVID 19 response revitalization.
- A new variant of SARS-CoV-2 in India is declared a Variant of Concern (VOC) within lineage B.1.617.

## II. Subject in Focus:

### a. COVID-19 vaccination update

- Vaccines have emerged as a way to combat the spread of COVID-19.
- Vaccines typically require years of research and testing before reaching the clinic, but in 2020, scientists embarked on a race to produce safe and effective coronavirus vaccines in record time.
- Researchers are currently testing 90 vaccines in clinical trials on humans, and 27 have reached the final stages of testing (see figure 1 below).
- At least 77 preclinical vaccines are under active investigation in animals<sup>1</sup>.

<sup>1</sup> <https://www.nytimes.com/interactive/2020/science/coronavirus-vaccine-tracker.html>

- Currently, many countries are scaling up their vaccination efforts and there are varieties of brands produced by different drug manufacturers. China has the most number of citizens vaccinated globally followed by USA. Morocco leads the charge in Africa followed by Nigeria and Ethiopia. A total of 1,215,934 people have been vaccinated in Ethiopia as of 09 May 2021.
- Among the COVID-19 vaccines approved for emergency use the AstraZeneca and Sinopharm vaccines are in use in Ethiopia.

Phase 1	Phase 2	Phase 3	Authorized	Approved	Abandoned
49	37	27	6	8	4
Vaccines testing safety and dosage	vaccines in Expanded safety trials	vaccines in large-scale efficacy tests	Vaccines in early or limited use	Vaccines approved for full use	Vaccines abandoned after trials

COUNTRY	TOTAL_VACCINATIONS	TOTAL_VACCINATIONS_PER100	PERSONS_VACCINATED_1PLUS_DOSE	PERSONS_VACCINATED_1PLUS_DOSE_PER100	#_VACCINES_TYPE_S_USED
China	280349977	19.06			5
United States of America	241639173	73.00	148256048	44.79	3
India	160418105	11.62	130003225	9.42	3
The United Kingdom	50297911	74.10	34667904	51.07	3
Brazil	41383096	19.47	28210496	13.27	4
Germany	30631299	36.80	23859823	28.69	4
Turkey	23729113	28.10	14132161	16.76	2
France	22473586	33.40	15873161	23.58	4
Indonesia	20701804	7.57	12699568	4.64	2
Italy	20684263	34.70	14468040	24.26	4
Russian Federation	20168443	13.80	12478994	8.55	2
Spain	17309914	36.60	12196627	25.77	4
Chile	14622372	76.49	8052578	42.12	3
Canada	13331068	35.32	12245868	32.45	3
Poland	12330040	32.50	9151159	24.11	4
Mexico	12235767	9.49	5483485	4.25	5

COUNTRY	TOTAL_VACCINATIONS	TOTAL_VACCINATIONS_PER100	PERSONS_VACCINATED_1PLUS_DOSE	PERSONS_VACCINATED_1PLUS_DOSE_PER100	#_VACCINES_TYPE_S_USED
Morocco	9325597	25.27	5107128	13.84	4
Nigeria	1266742	0.62	1266742	0.62	1
Ethiopia	1215934	1.06	1215934	1.06	3
Egypt	1159883	1.13	913061	0.89	4
Kenya	900986	1.68	900459	1.68	1
Ghana	847871	2.73	847871	2.73	2
Zimbabwe	559777	3.77	452191	3.04	3
Angola	513918	1.56	513918	1.56	1
Senegal	484441	2.89	418828	2.50	2
Tunisia	424625	3.59	320694	2.71	4
Rwanda	400096	3.09	348926	2.69	3
Uganda	354736	0.78	354736	0.78	1
Malawi	307218	1.61	307218	1.61	1
Sudan	290500	0.66	150410	0.34	4
Togo	216697	2.62	215684	2.61	1
Mauritius	197646	15.54	197646	15.54	3

Fig. 1: Summary of global COVID-19 vaccinations as of May 09, 2021

## b. Newly designated Variant Of Concern (VOC)<sup>2</sup>

<sup>2</sup> <https://www.who.int/publications/m/item/weekly-epidemiological-update-on-covid-19---11-may-2021>

- WHO has determined that viruses within the lineage B.1.617 have been characterized as a VOC. B.1.617 contains three sub-lineages, which differ by few but potentially relevant mutations in the spike protein as well as prevalence of detection globally.
- As of 11 May, over 4500 sequences have been uploaded to GISAID and assigned to B.1.617 from 44 countries in all six WHO regions, and WHO has received reports of detections from five additional countries.
- Though there may be important differences among the three sublineages, currently available evidence is too limited for Variant of Interest/Variant of Concern characterization by sublineage.
- Currently, WHO has designated B.1.617 as a VOC based on early evidence of phenotypic impacts compared to other circulating virus variants, namely:
  - B.1.617 sublineages appear to have higher rates of transmission, including observed rapid increases in prevalence in multiple countries (moderate evidence available for B.1.617.1 and B.1.617.2), and
  - Preliminary evidence suggests potential reduced effectiveness of Bamlanivimab, a monoclonal antibody used for COVID-19 treatment, and potentially slightly reduced susceptibility to neutralization antibodies (limited evidence available for B.1.617.1).

## III. EPIDEMIOLOGICAL SITUATION

### a. Global Situation<sup>3</sup>

- Globally, new COVID-19 cases and deaths decreased slightly this week, with over 5.5 million cases and over 90,000 deaths after increase for ten consecutive weeks.
- The highest numbers of new cases were reported from India, Brazil, the United States of America, Turkey and Argentina.
- Global:
  - new cases: 5,517,602
  - new deaths: 90,242
  - cumulative cases: 157,362,408
  - cumulative deaths: 3,277,834
  - Case Fatality Rate: 2.08%

### b. National COVID-19 situation:

- As of May 09, 2021, a total of 262,702 confirmed COVID-19 cases and 3,888 deaths were recorded in the country with a case fatality rate of 1.48%. This puts Ethiopia in the fourth position by the number of confirmed cases and in the fifth position by the number of deaths due to COVID-19 in Africa.

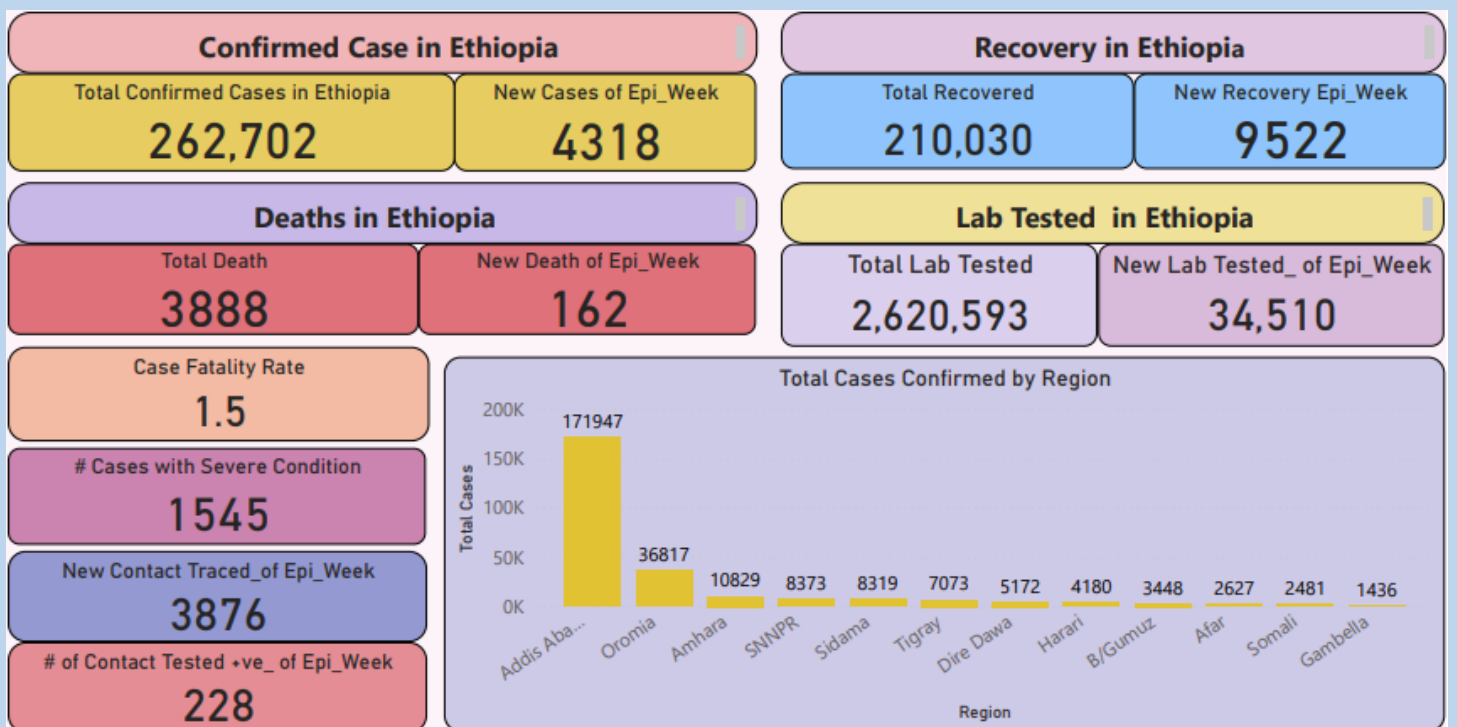
<sup>3</sup> <https://www.who.int/publications/m/item/weekly-epidemiological-update-on-covid-19--11-may-2021>

- Four-thousand-three-hundred-eighteen (4,318) newly confirmed COVID-19 cases and 162 COVID-19 related deaths were reported during the Epi-Week-18.
- In this week, there is a 30% decrease in the number of COVID-19 confirmed cases and the number of COVID-19 related deaths have decreased by 7% (for the fourth consecutive week).
- The number of COVID-19 confirmed cases showed a decrease for the fifth consecutive week.
- However there is also a decrease in the number of samples tested in the week which can be the main reason for the decrease in the number of confirmed cases in the week. It may also attribute to the enhanced implementation of directive 30/2020.
- There is also an increase in the Case Fatality Rate which shows that high number of deaths are occurring among the confirmed cases even though there is decrease in the gross number of deaths and confirmed cases.
- Most of the cases are still from Addis Ababa City Administration which may be as result of different reasons. High number of laboratory tests, high transmission of the disease due to the occurrence of super spreading events and decreased adherence to the public health public health and social measures might be some of the reasons for high number of case reports from the city.
- The number of newly confirmed COVID-19 cases are decreasing as a result of more travelers tested for COVID-19. Among people being tested for COVID-19, most of the samples were collected from people seeking COVID-19 negative result for out of country travel purpose. Other reasons for sample testing for COVID-19 includes: being suspected for the disease and being contact of confirmed case/s. It is common to get more positive cases among suspected cases and contacts of confirmed cases. Whenever low number of samples from suspected cases and/or contacts of confirmed cases and high number of samples from travelers are tested, it is expected that there will be low number of COVID-19 positive cases among tested population.
- For detail, see the summary dashboard below.

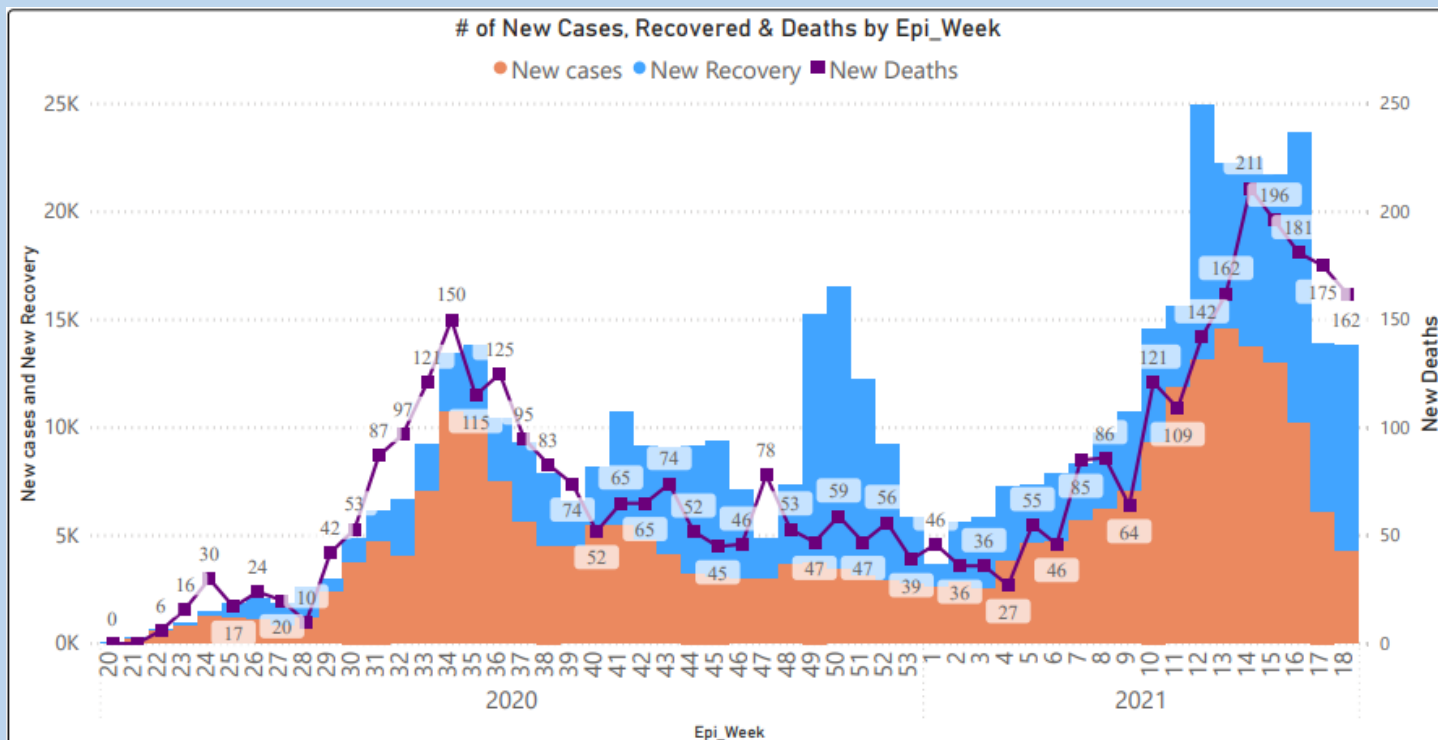
**Table 1: Summary of National COVID-19 situation in the Epi-Week-18 of 2021**

Regions	New_Tested	New_Case	New_HF_Admission	New_Deaths	Positivity Rate	# of Recovery
Addis Ababa	26262	2405	362	85	9.1	6888
SNNPR	2240	247	40	12	10.3	218
Oromia	1675	573	160	35	37.6	1264
Amhara	972	272	46	9	29.0	212
Afar	672	54	9	1	8.0	101
Benshangul	516	33	22	0	8.0	102
Somali	481	141	26	9	25.8	178
Tigray	479	221	0	0	46.3	0
Dire Dawa	436	150	6	5	34.9	204
Sidama	341	116	5	1	38.8	147
Harari	331	71	29	5	19.3	160
Gambella	105	35	0	0	38.5	48
<b>Total</b>	<b>34510</b>	<b>4318</b>	<b>705</b>	<b>162</b>	<b>24.4</b>	<b>9522</b>

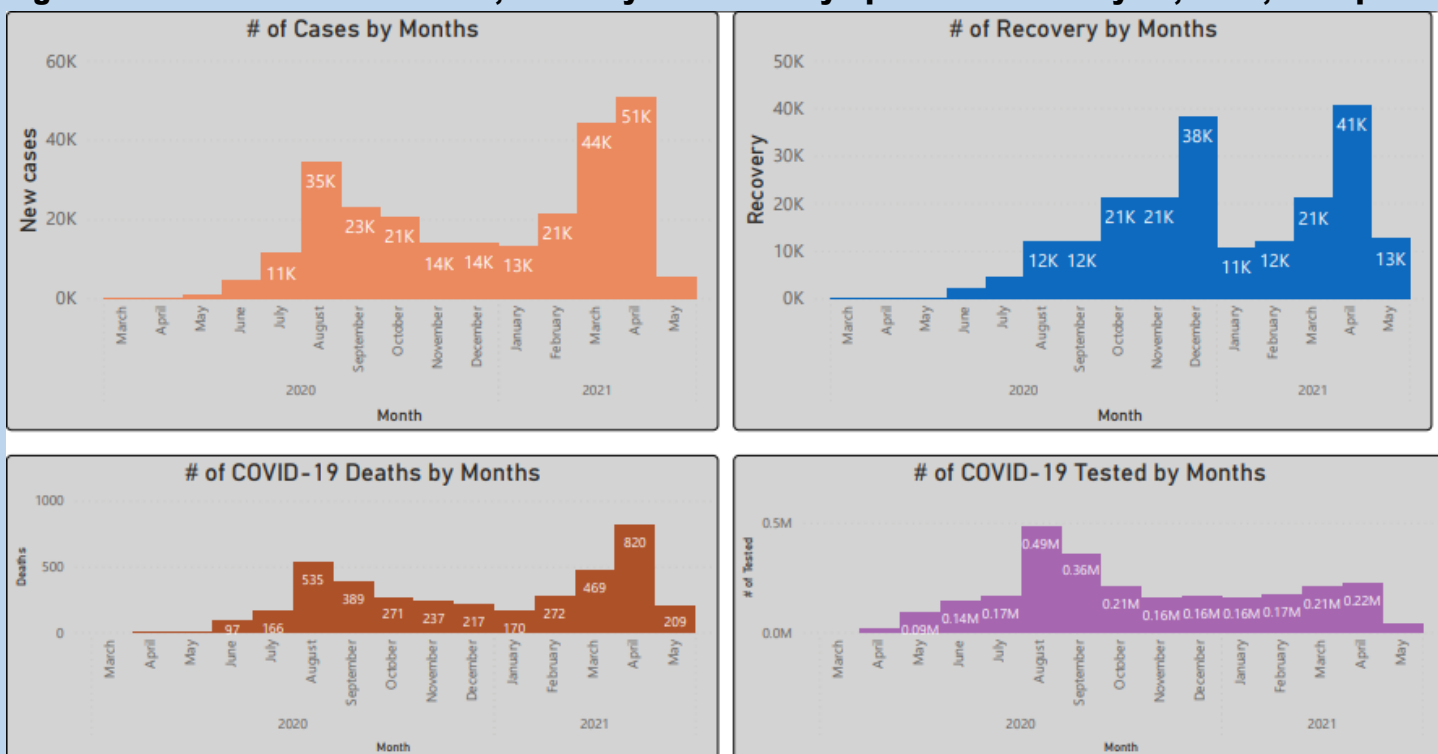
\*\*\*\* Positivity Rate is the Weighted Averages of Regional Distributions of Rates



**Fig. 2: Weekly summary of the COVID-19 situation in Ethiopia as of May 09, 2021, Ethiopia**



**Fig. 3: COVID-19 confirmed cases, recovery and death by Epi-Week as of May 09, 2021, Ethiopia**

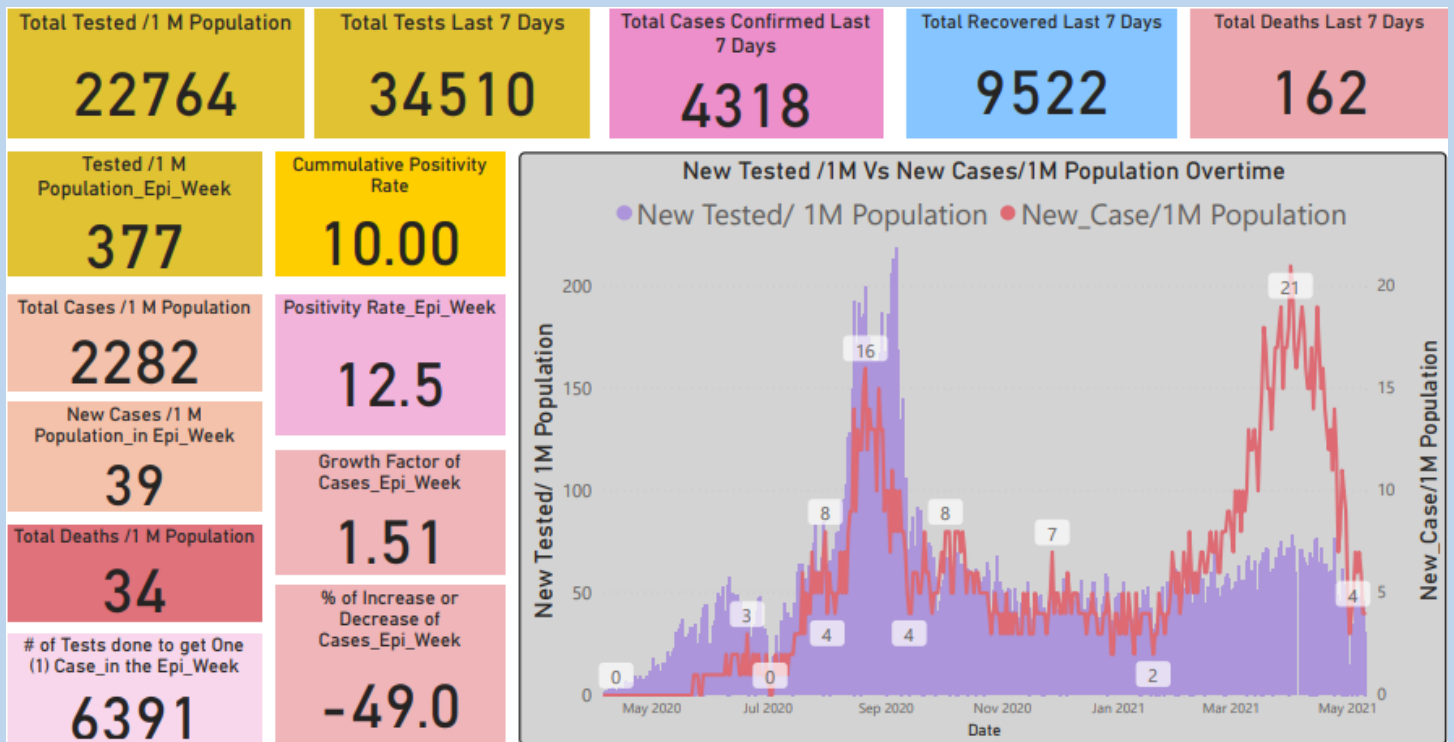


**Fig. 4: Summary of monthly trend of COVID-19 situation in Ethiopia as of May 09, 2021.**

### 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.

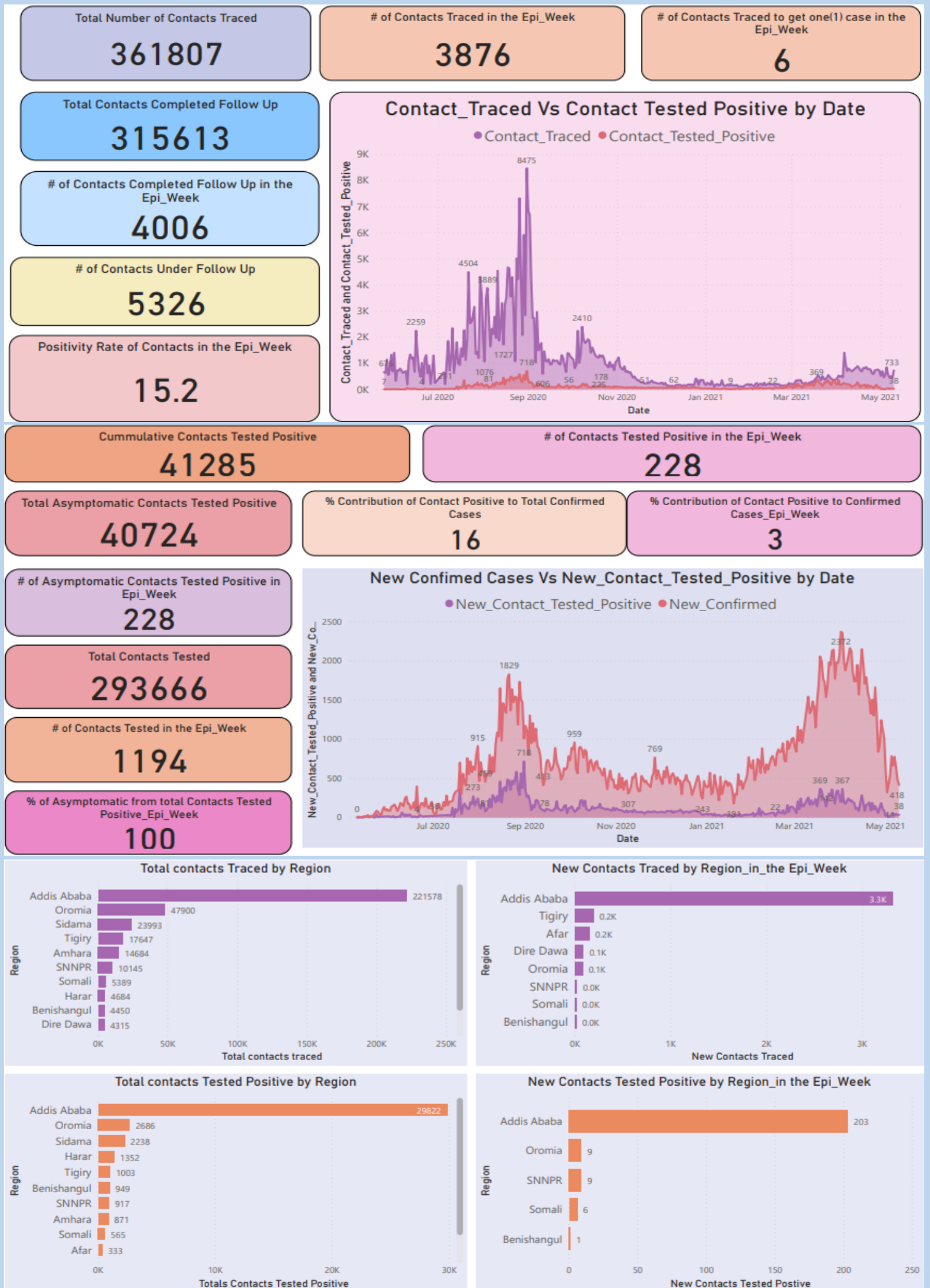




**Fig. 5: Summary of COVID-19 confirmed cases in Ethiopia as of May 09, 2021.**

**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.
- As of May 09, 2021:
  - A total of 361,807 contacts of confirmed cases have been identified. Of these, 3,876 contacts were identified in the Epi-Week-18.
  - Of total contacts, 315,613 (87.23%) have completed 14 days follow-up, while 5,326 contacts are still on follow-up.
- Overall, 41,285 (11.41%) of the contacts (symptomatic plus asymptomatic) have been tested positive.
- Contacts of the confirmed cases contributed for the 15.72% 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 contacts.

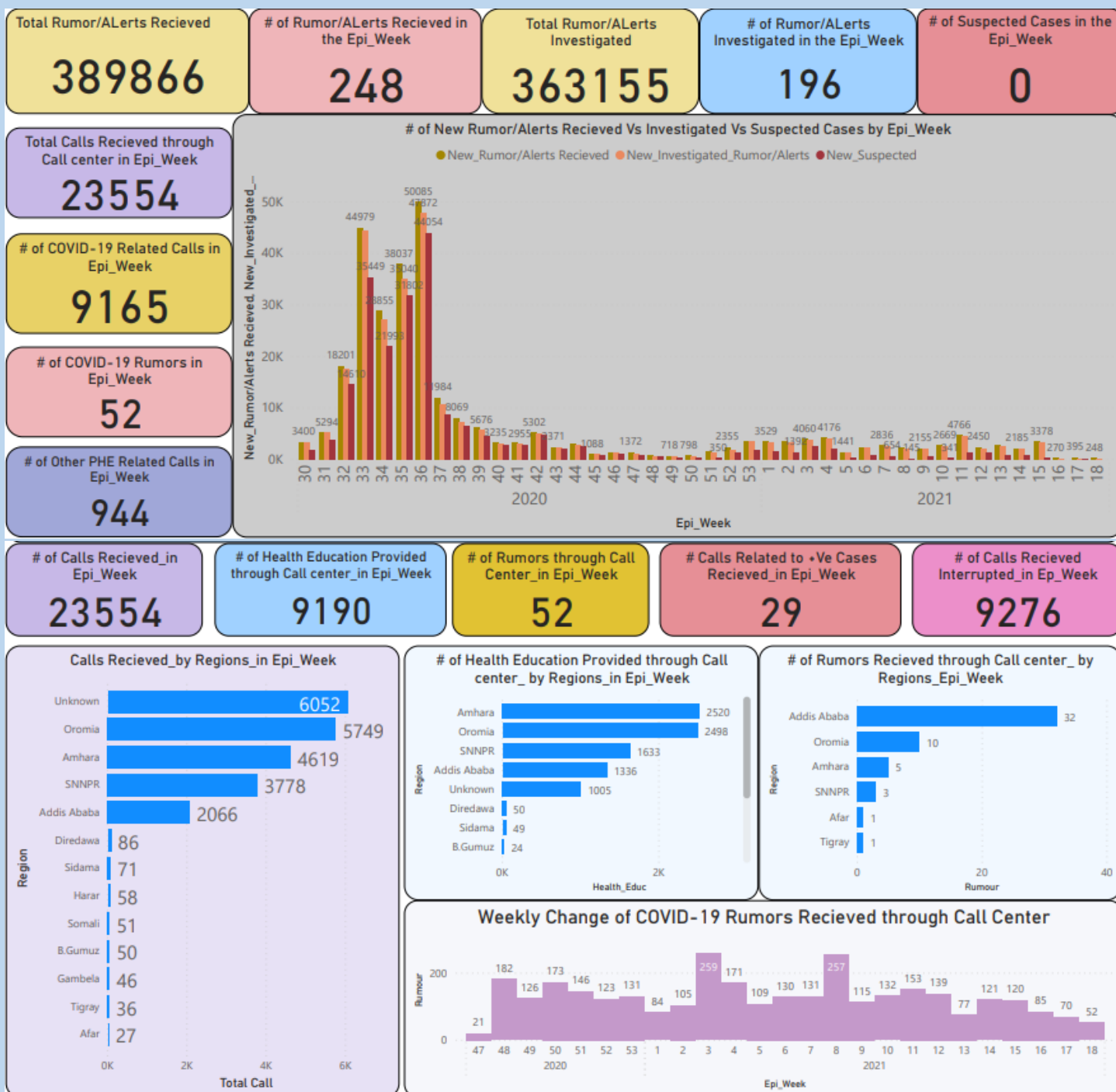


**Fig. 6: Summary of COVID-19 contact tracing as of May 09, 2021, Ethiopia.**



## ii. Rumors collection and verification from all sources

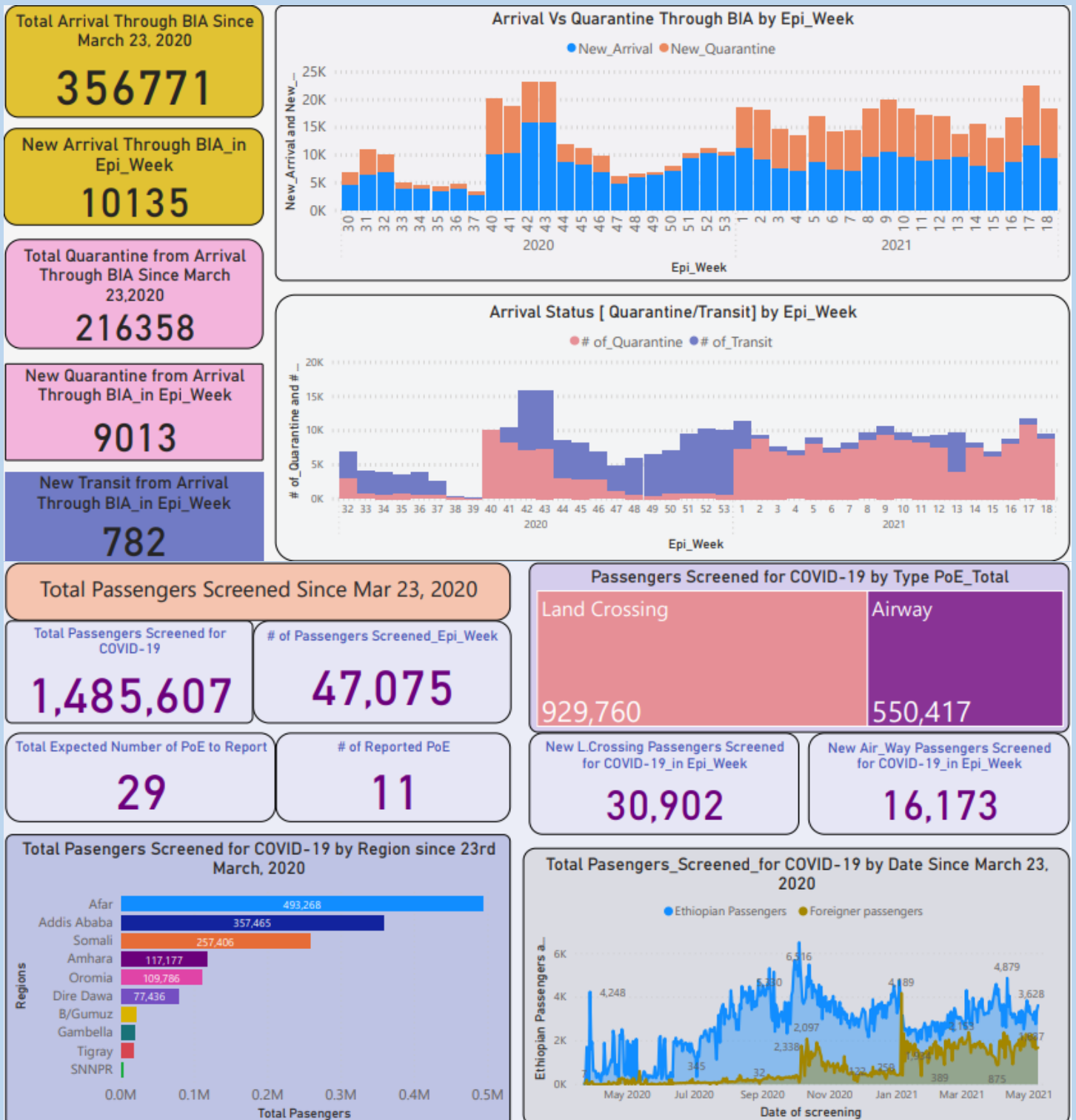
- COVID-19 related rumors are received from different sources: Call centers, Health facilities, Contact follow up, Self-report, Travelers follow up, Point of Entry (PoE), Community surveillance and Special Settings.
- As of May 09, 2021:
  - 389,866 rumors/alerts have been received and investigated. Of these, 248 rumors were reported in the Epi-Week-18.
  - 278,356 (71.39%) of the rumors/alerts have fulfilled the suspected case definition.
- 23,554 COVID-19 related calls are received through call centers in this Epi-week.



**Fig. 7: Summary of COVID-19 rumor/alert investigation as of May 09, 2021, Ethiopia.**

### iii. Point of entry and Quarantine related activities

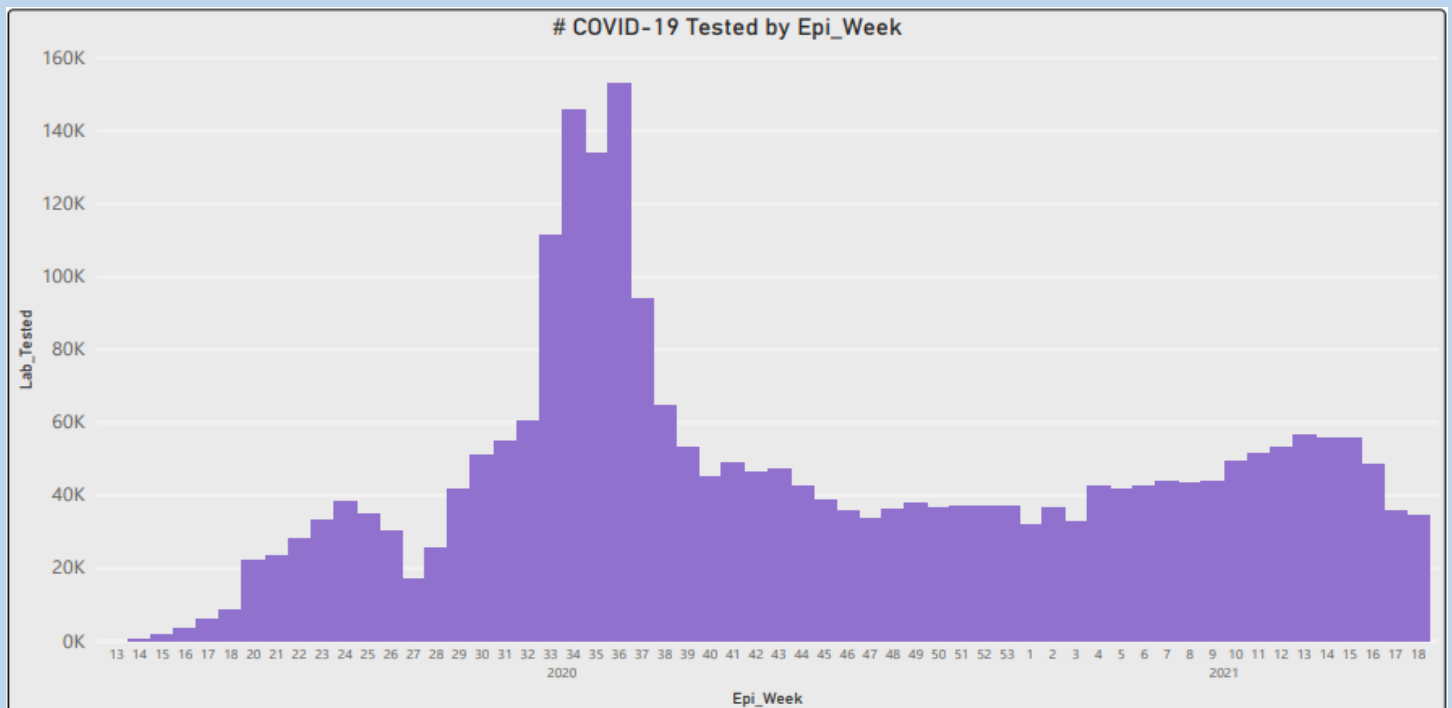
- Since the start of the outbreak, 2,113,395 passengers have been screened at the Point of Entries of Ethiopia and 678,747 (32.11%) of them were screened at Bole International Airport.
- Of the total passengers screened, 35,261 were screened for COVID-19 in the Epi-Week-18.
- As of May 09, 2021, among the passengers coming with COVID-19 PCR test result certificates, 305,871 passengers (9,483 in Epi-week-18) had PCR negative certificates while 45 passengers with PCR positive certificates were identified during health screening. A total of 86 SARS-COV-2 positive cases have been detected after arrival laboratory test.



**Fig. 8: Summary of Passengers screening for COVID-19 as of May 09, 2021, Ethiopia.**

## IV. Laboratory related activities

- As of 09 May 2021, a total of 2,620,593 samples have been tested for COVID-19 by laboratories across the country.
- 34,510 laboratory tests were processed during the Epi-Week-18 which is a 3% decrease compared to number of tests performed in the previous week.
- The laboratory test positivity rate for the Epi-Week-18 is 12.51%, which is lower than that of the preceding week (17.11%).
- Tigray, Sidama, Gambella, Oromia, Dire Dawa, Amhara, and Somali regional states have reported positivity rates higher than the national weighted average while the positivity rate in Addis Ababa has showed a decrease (figure 11 below). This shows that the COVID-19 epidemic has got high spread to regions.

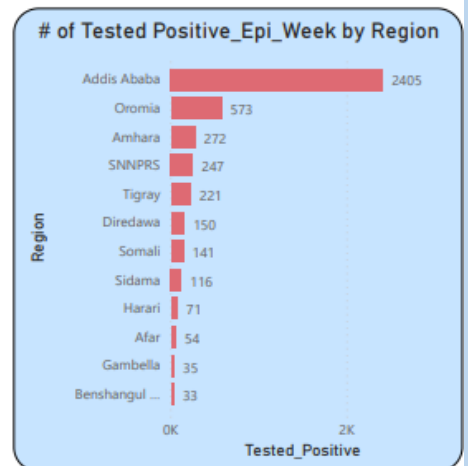
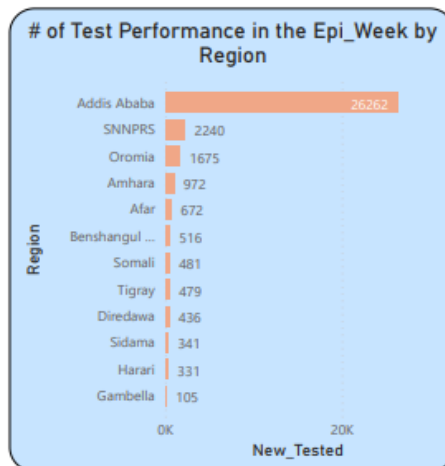
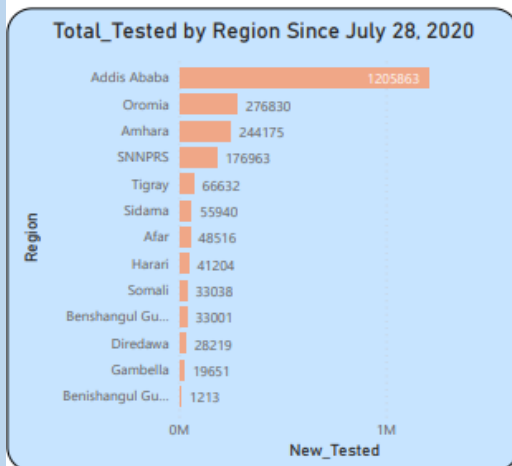


**Total Tested**  
**2620593**

**# of New Tested in the Epi\_Week**  
**34510**

**Total Tested / 1M Population**  
**22764**

**New Tested / 1M Population of Ep\_Week**  
**377**



Region/City Admn	New_Tested	Tested_Positive	New_Deaths	Positivity_Rate
Addis Ababa	26262	2405	85	9.11
SNNPRS	2240	247	12	10.53
Oromia	1675	573	35	37.43
Amhara	972	272	9	28.94
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Benshangul Gumz	516	33	0	7.77
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Sidama	341	116	1	38.70
Harari	331	71	5	19.26
Gambella	105	35	0	38.35
<b>Total</b>	<b>34510</b>	<b>4318</b>	<b>162</b>	<b>24.51</b>

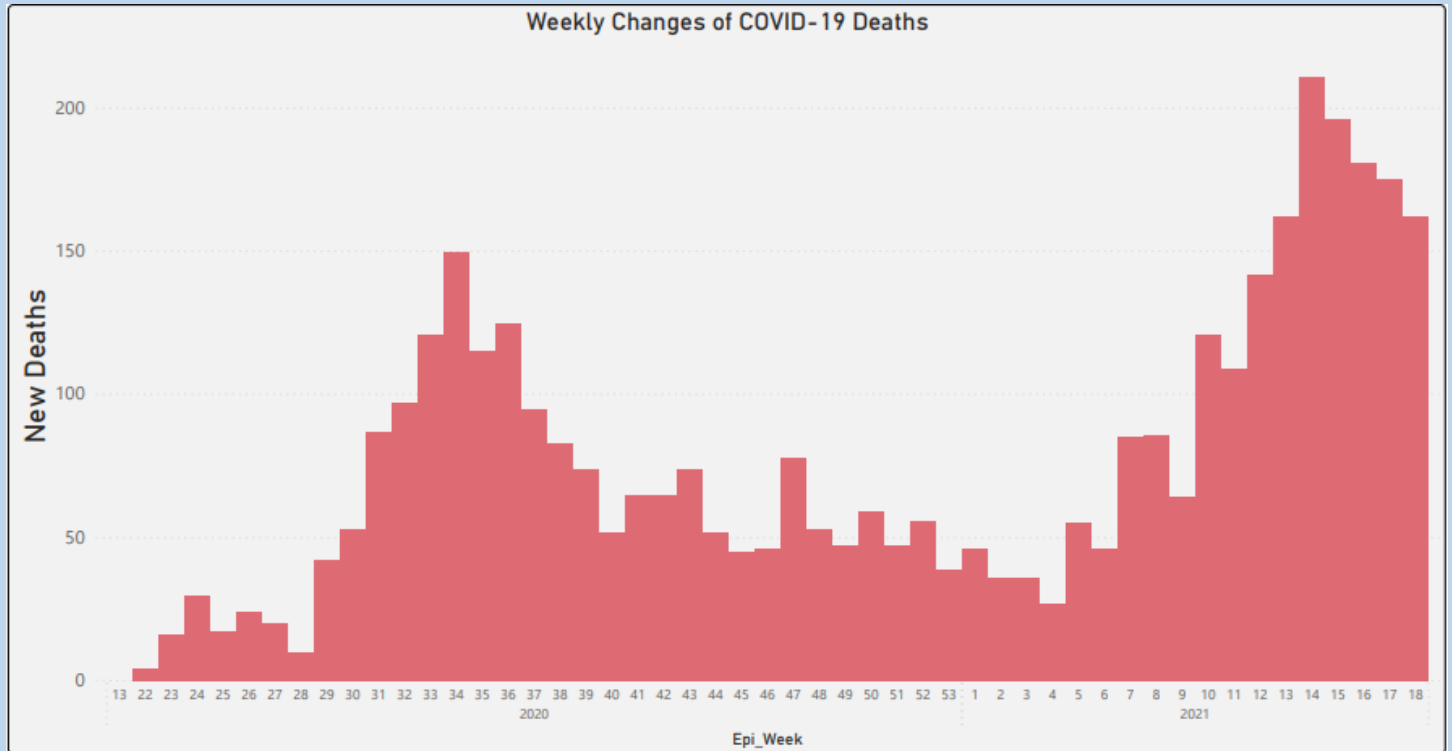
\*\*\*\*\* Positivity Rate is weighted average of Regional Distn of Rates

**Fig. 9: Summary of COVID-19 laboratory testing as of March May 09, 2021, Ethiopia.**

## V. Case Management and Facility Readiness

### a. COVID-19 treatment center

- There were total of 9,522 newly recovered COVID-19 cases during the Epi-Week-18, bringing the total number of recovered cases to 210,030 (both from COVID-19 treatment center and from HBIC).
- The number recovered cases has decreased by 9% compared to the previous week.
- The highest number of daily cases in severe condition reported in this week is 883.



**Fig. 10: Weekly trend of COVID-19 related death in Ethiopia, as of May 09, 2021.**

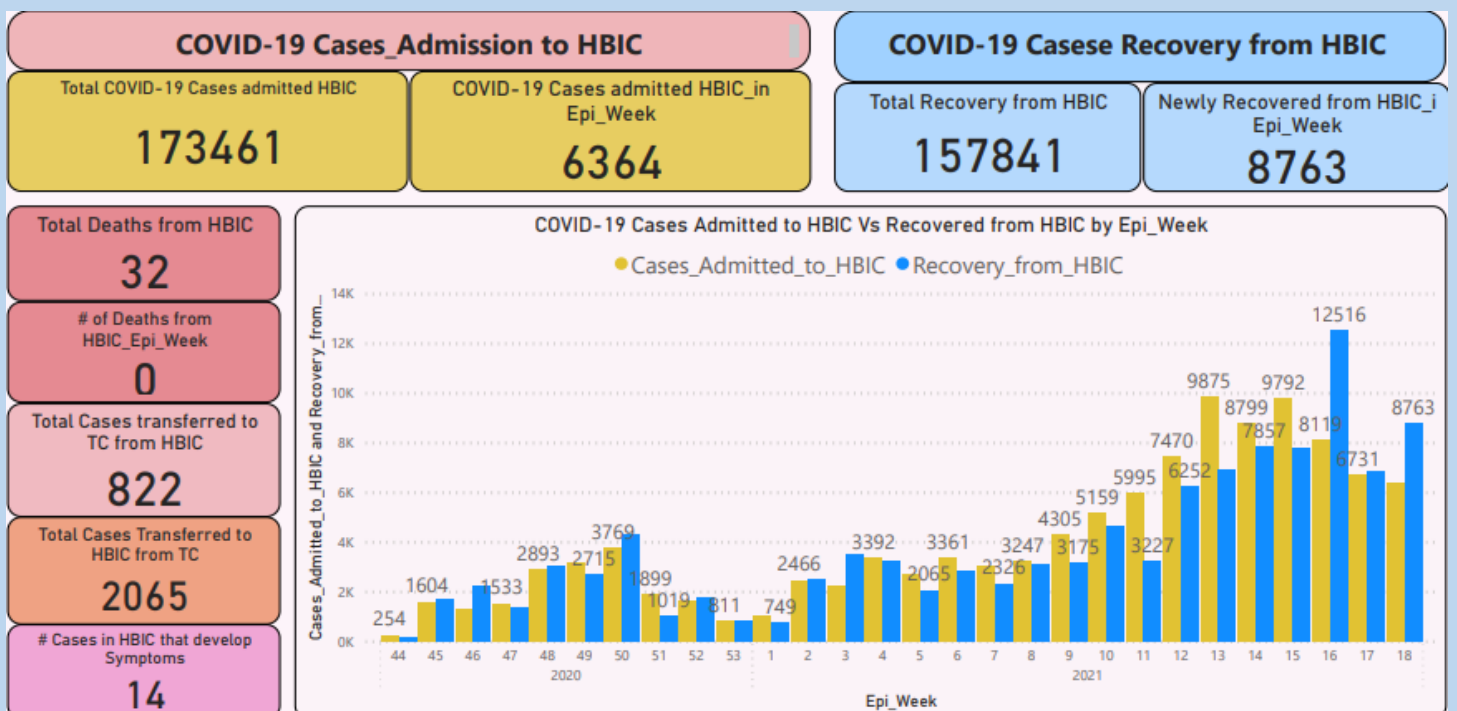
- Most of the confirmed cases admitted to treatment centers are in the age group of 15 to 54 while most of the COVID-19 related deaths occurred in age greater 64. This indicates that as the patient becomes elder there comes high probability of death due to COVID-19 (see figure 13 below).

Age_Group	# of Confirmed cases admitted to TC	# of COVID-19 patients discharged from Facility	# of Facility Deaths
65 - 74	4099	2804	934
55 - 64	5374	4230	777
75 - 84	1893	1202	523
45 - 54	6428	5664	471
35 - 44	9022	8383	381
85 +	700	347	321
25 - 34	16200	15707	257
15 - 24	12249	11996	121
5 - 14	1269	1200	36
0 - 4	831	753	35
<b>Total</b>	<b>58065</b>	<b>52286</b>	<b>3856</b>

**Fig. 11: Summary of COVID-19 patients' update based on age group as of May 09, 2021, Ethiopia.**

### **b. Home Based Isolation and Care (HBIC):**

- So far, 173,461 COVID-19 confirmed cases have been on HBIC. Of them 157,841 (91.00%) have recovered and 32 (0.018%) died.
- Of these, 6,108 cases have been enrolled to HBIC and 8,808 cases have recovered in the Epi-Week-18.
- As of May 09, 2021, there are 16,831 cases on HBIC.
- So far, 2,065 (10 of them in the Epi-Week-18) of the cases have been transferred from treatment centers to HBIC after improvement.
- So far, 822 (49 of them in the Epi-week-18) of the cases have been transferred from HBIC to treatment centers for better care.



**Fig. 12: Summary of COVID-19 Home Based Isolation and Care in Ethiopia, as of May 09, 2021.**



## **VI. 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 leadership and strategic virtual meeting, chaired by the H.E MOH Minister, is being conducted to oversee and guide the response efforts.
- Weekly joint meeting is started (every Monday) among the national and regional Public Health Emergency Operations Centers to evaluate weekly situations and challenges faced.
- COVID-19 preparedness and response plan revision is ongoing at national level. Accordingly the National PHEOC & Regional PHEOCs IMS joint meeting is conducted on COVID-19 response revitalization. The meeting agenda were overall COVID-19 response plan status, testing preparation & capacity (RDT, functionality status of RT PCR labs), Challenges (ongoing & predicted) and support area required (identifying resources on hand & gaps). In some regions shortage of extraction and detection kit for PCR machines, PCR machine failure and shortage of vehicles for sample transportation were mentioned among the challenges regarding laboratory testing preparation and capacity. Training on Ag-RDT (Antigen Rapid Diagnostic Test) kit is also needed for regional laboratory professionals working in COVID-19 laboratories.

## **VII. Challenges and Way Forward**

### **a. Challenges**

- There is shortage of appropriate facilities to manage severely ill and critical patients.
- Happenings of super spreading events-Mass gatherings with poor physical distancing and facemask use which exacerbates the spread of COVID-19.
- Poor public adherence to the public health and social preventive measures despite some improvements in some areas.
- Poor adherence to the public health and social measures by public figures and leaders despite some improvements recently.
- Poor attention given to COVID-19 at all levels by all responsible bodies in particular at subnational level.
- Low stock status of personal protective equipment, supplies and logistics in particular laboratory supplies.

### **b. Way Forward**

- Enhancing law enforcement to enhance public health and social measures by all responsible bodies.
- Continuing the COVID-19 vaccination.
- Genomic surveillance establishment, networking and strengthening.
- COVID-19 preparedness and response plan revision at subnational level.

- Intensify risk communication and community engagement activities.
- Strengthened collaboration and coordination with key stakeholders and partners.
- Advocate and strengthen Home Based Isolation and Care (HBIC).
- Conduct intensive testing of high-risk population group and contacts of confirmed cases for COVID-19.
- Enhance technical support, coordination and timely and accurate information sharing at all levels.
- Strengthen and sustain other essential health services besides COVID-19.
- Follow up and performance report on Antigen Rapid Diagnostic Test Kits from regional COVID-19 testing sites.



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አዲስ አበባ-ኢትዮጵያ Addis Ababa, Ethiopia

ስልክ-Tel: +251 11 2133499, +251 11 2751522, ፋክስ Fax: +251 11 2758634,

የጽሑፍ - P. O. BOX: 1242/5654 e-mail: ephi@ethionet.et

www.ephi.gov.et

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- ባለ-ባት**

ጉዳዩ፡- ኮቪድ-19 Antigen RDT ትግበራ አስፈላጊው ክትትልና ድጋፍ እንዲደረግ ስለመጠየቅ

የኢትዮጵያ የሕብረተሰብ ጤና ኢንስቲትዩት ከጤና ሚኒስቴር እና ከተለያዩ ባለድርሻ አካላት ጋር በመተባበር ዓለም አቀፍ ወረርሽኝ የሆነውን እና በገንጠላ ላይ የተከሰተውን የኮቪድ-19 ወረርሽኝ ስርጭት ለመግታት እና ለመቆጣጠር የሕብረተሰብ ጤና ድንገተኛ አደጋ ማስተባበሪያ ማዕከል አቋቁሞ መጠነ ሰፊ ሥራዎችን እየሠራ ይገኛል።

ስለሆነም ኮቪድ-19 ወረርሽኝ ስርጭት ለመግታትና ለመቆጣጠር የAntigen-RDT አተገባበር መመሪያ ክደብዳቤ ጋር አባሪ አድርገን የላክንና ለትግበራ እንዲመች ለተመረጡት ተቋማት ስልጠናና የመመርመሪያ ግብዓት እንዲወስዱ መደረጉ ይታወቃል። ይሁንና በክልሉ ስልጠናው እና ግብዓት የወሰዱት ተቋማት የትግበራ አረጋግጦ አጥጋቢ ሆኖ ስላልተገኘ በናንተ በኩል አስፈላጊው ክፍተኛ ክትትልና ድጋፍ እንድታደርጉላቸውና የተጠናከረ የኮቪድ-19 Antigen-RDT ሪፖርት ለትግበራ በተዘጋጀ ሲስተም ለኢትዮጵያ የሕብረተሰብ ጤና ኢንስቲትዩት እንድትልኩና ወረርሽኝን ለመግታትና ለመቆጣጠር በሚደረገው ርብርብ የተለመደውን ትብብር እንድታደርጉ እንጠይቃለን።

ሰጤናችን በጋራ እንሥራ!

**ግልባጭ**

- ሰጤና ሚኒስቴር
- አዲስ አበባ
- ሰዋና ዳይሬክተር ጽ/ቤት
- ለም/የዋና ዳይሬክተር ጽ/ቤት/ዕጠራ/ሰዋና
- ለት/ማ/መ/ሰ/አስ/ሀ/ዳ/ተ/ዳይሬክተር
- **ኪ.ሲ.ሲ.ሲ.**



**ሕሰን ለባይነህ**  
ም/የዋና ዳይሬክተር  
National Public Health  
Emergency Operation Center  
COVID-19 Preparedness &  
Response Incident Manager

## VIII. COVID-19 Related News:

- A batch of new studies published Wednesday show how well coronavirus vaccines work against worrying new variants -- and one indicates booster doses can help them work even better. At least one of the studies also demonstrated that being fully vaccinated matters. The first nationwide study of coronavirus vaccination, done in Israel, showed Pfizer/BioNtech's vaccine works far better after two doses. Two shots of the vaccine provided greater than 95% protection from infection, severe illness and death. : <https://edition.cnn.com/2021/05/05/health/vaccines-efficacy-coronavirus-variants-reports/index.html>.
- The United States could see a drop in Covid-19 cases and deaths by July if vaccinations remain high and people adhere to certain prevention measures, a new modeling study suggests. : <https://edition.cnn.com/2021/05/05/health/cdc-model-covid-19-cases-study/index.html>
- Mucormycosis: The 'black fungus' maiming Covid patients in India: <https://www.bbc.com/news/world-asia-india-57027829>
- Bar owner charged with selling fake coronavirus vaccine cards in one of the first cases of its kind: <https://www.washingtonpost.com/health/2021/05/06/fake-covid-vaccine-cards/>

## IX. Public Health Policy Recommendation

### Advice for the Public:

- 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.
- 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
Ethiopian Public Health Institute Main Website	<a href="https://www.ephi.gov.et/">https://www.ephi.gov.et/</a>	8335/952
Ethiopian Public Health Institute COVID-19 Website	<a href="https://covid19.ephi.gov.et/">https://covid19.ephi.gov.et/</a>	
Ethiopian Public Health Institute Facebook Page	<a href="https://www.facebook.com/ephipage/">https://www.facebook.com/ephipage/</a>	
Ethiopian Public Health Institute Twitter Page	<a href="https://twitter.com/EPHIethiopia">https://twitter.com/EPHIethiopia</a>	
Ethiopian Public Health Institute Telegram Channel	<a href="https://t.me/EthPHI">https://t.me/EthPHI</a>	
Ethiopian Public Health Institute YouTube Channel	<a href="https://www.youtube.com/channel/UCvvTzeY-IJiQfEFBULH9Mkw">https://www.youtube.com/channel/UCvvTzeY-IJiQfEFBULH9Mkw</a>	
Ministry of Health, Ethiopia Website	<a href="http://www.moh.gov.et">www.moh.gov.et</a>	952
Ministry of Health, Ethiopia Facebook Page	<a href="https://www.facebook.com/EthiopiaFMoH/">https://www.facebook.com/EthiopiaFMoH/</a>	
Afar Regional Health Bureau	<a href="https://www.facebook.com/afarrhb.org/">https://www.facebook.com/afarrhb.org/</a>	6220
Amhara Regional Health Bureau	<a href="https://www.facebook.com/Amhara-Healthbureau-682065755146948/">https://www.facebook.com/Amhara-Healthbureau-682065755146948/</a>	6981
Benishangul Gumuz Regional Health Bureau	<a href="https://www.facebook.com/Benishangul-Gumuz-Health-Bureau-1676282159265517/">https://www.facebook.com/Benishangul-Gumuz-Health-Bureau-1676282159265517/</a>	6016
Gambela Regional Health Bureau	<a href="https://fb.me/gambellaregionhealthbureau">https://fb.me/gambellaregionhealthbureau</a>	6184
Harari Regional Health Bureau	<a href="https://www.facebook.com/Harari-Regional-Health-Bureau-1464182130355007/">https://www.facebook.com/Harari-Regional-Health-Bureau-1464182130355007/</a>	6864
Oromia Regional Health Bureau	<a href="https://www.facebook.com/OromiaHealth/">https://www.facebook.com/OromiaHealth/</a>	6955
Somali Regional Health Bureau	<a href="https://www.facebook.com/srhbdotcom/">https://www.facebook.com/srhbdotcom/...</a>	6599
SNNP Regional Health Bureau	<a href="https://www.facebook.com/snnprhealthbureau/?ref=br_rs">https://www.facebook.com/snnprhealthbureau/?ref=br_rs</a>	6929
Tigray Regional Health Bureau	<a href="https://www.facebook.com/tigrayrhb/">https://www.facebook.com/tigrayrhb/</a>	6244
Dire Dawa city Administration Health Bureau	<a href="https://www.facebook.com/Dire-Dawa-Administration-Health-Bureau-1371606266279524/">https://www.facebook.com/Dire-Dawa-Administration-Health-Bureau-1371606266279524/</a>	6407
Addis Ababa City Administration Health Bureau	<a href="https://www.facebook.com/aahb.gov.et/">https://www.facebook.com/aahb.gov.et/</a>	6406

### COVID-19 updates and sources of evidence:

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

**8335 / 952**



**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://www.ephi.gov.et/index.php/public-health-emergency/novel-corona-virus-update>)

**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.

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**PREPARED BY**

**Fantu Lombamo (MD, MPH) – Planning Section, Situation Unit Lead**  
**Negusse Yohannes (PhD in Statistics) – Planning Section, Situation Unit Member**

**EDITED AND REVIEWED BY**

**Shambel Habebe (MPH-Field Epi) - Planning Section Chief**  
**Zewdu Assefa (MPH- Field Epi) - Deputy Incident Manager**  
**Aschalew Abayneh (RN, BSc, MPH) - DDG-EPHI, Incident Manager**

**FOR MORE INFORMATION and NOTIFICATION**

**Web:** [www.ephi.gov.et](http://www.ephi.gov.et)

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**Call:** 8335/952 (TOLL FREE LINE) or 011 276 5340

**Email:** [ephieoc@gmail.com](mailto:ephieoc@gmail.com) or [phemdatacenter@gmail.com](mailto:phemdatacenter@gmail.com)