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MINISTRY OF HEALTH-ETHIOPIA  
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HEALTHIER CITIZENS FOR PROSPEROUS NATION



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ETHIOPIAN PUBLIC HEALTH INSTITUTE

## PUBLIC HEALTH EMERGENCY OPERATIONS CENTER (PHEOC), ETHIOPIA

# COVID-19 PANDEMIC PREPAREDNESS AND RESPONSE DAILY SITUATION REPORT ETHIOPIA

(Data reported as at 16:30hrs EAT (GMT+3), 14 April 2020)

14 April 2020

ISSUE  
No

82

## HIGHLIGHTS

- There are 8 newly detected COVID-19 cases bringing the total confirmed cases to 82 in the country.
- A total of 14 COVID-19 cases has recovered and a total of 3 COVID-19 deaths has occurred so far.
- Of the 63 new rumors /alerts received today, 43 fulfilled the suspected case definition.
- 93 new contacts of confirmed cases have been identified today bringing the number of contacts identified so far to about 1,658.
- 447 COVID-19 laboratory samples were tested within the last 24 hours (8 positive and 439 negative).
- 3500L Water Tanks, pedal operated waste bins, hardcore cleaning gloves, Eye goggle, scrubs, face masks and face shields are donated and received from Rotary Ethiopia.
- Two mobile clinics are established in Arat Kilo and Civil Service University quarantine sites
- Discussion held with Addis Ababa Bureau of Labor and Social Affairs and Ministry of Labor and Social Affairs on returnees and homeless relocation.

## COVID-19 NATIONAL UPDATE

3,846

PASSENGERS UNDER  
MANDATORY QUARANTINE

1115

RUMORS/ALERTS RECEIVED  
AND INVESTIGATED

1658

CONTACTS OF THE  
CONFIRMED CASES

645

SUSPECTED CASES  
DETECTED

82

TOTAL  
CONFIRMED CASE

14

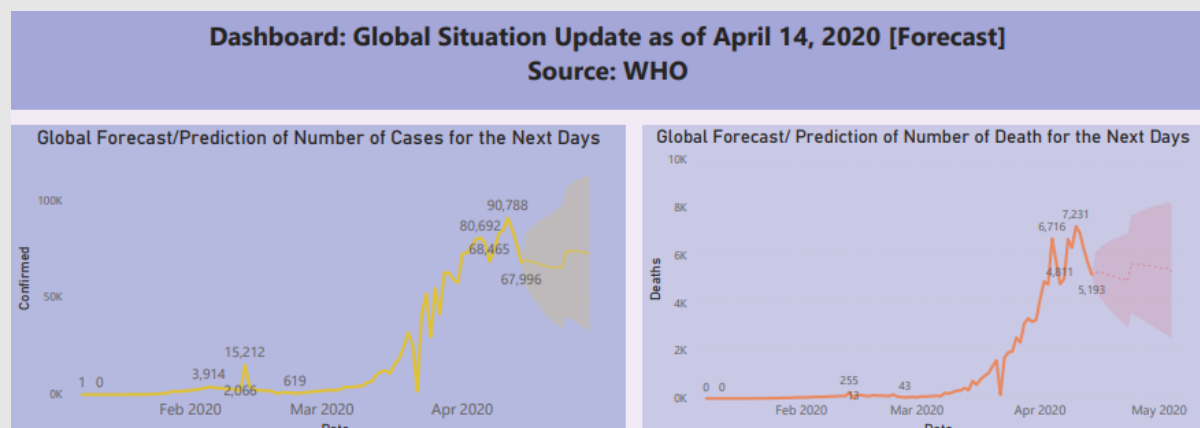
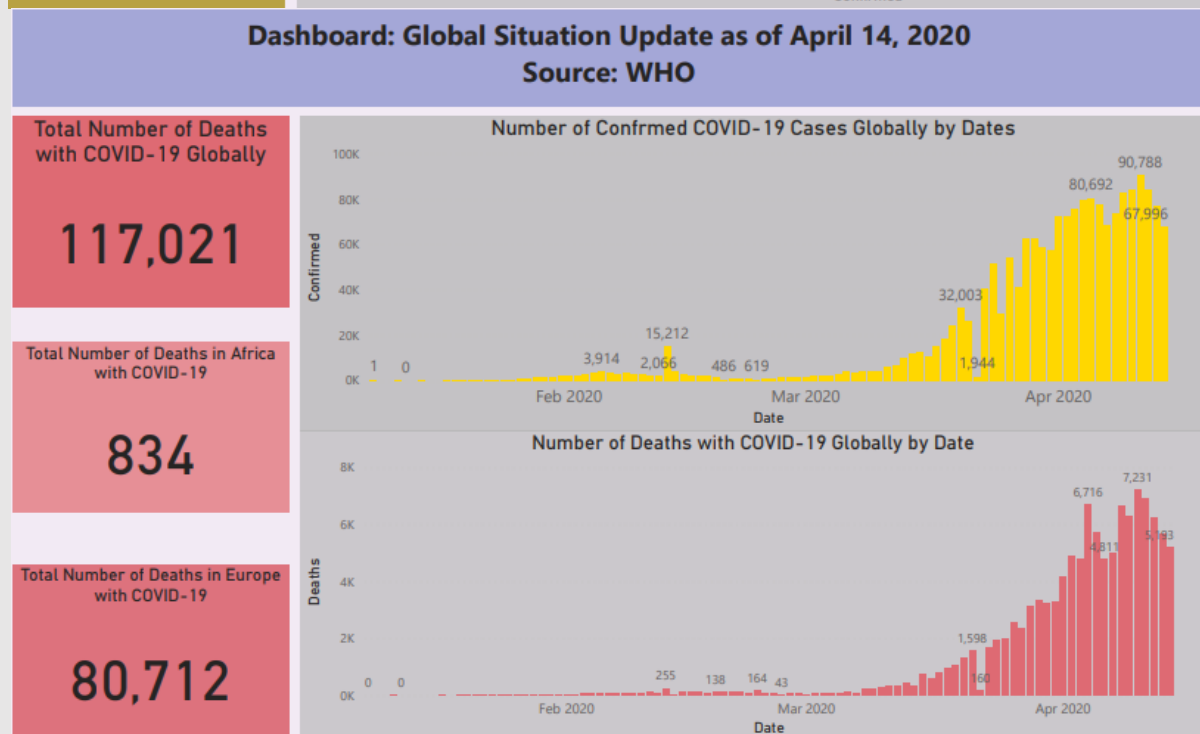
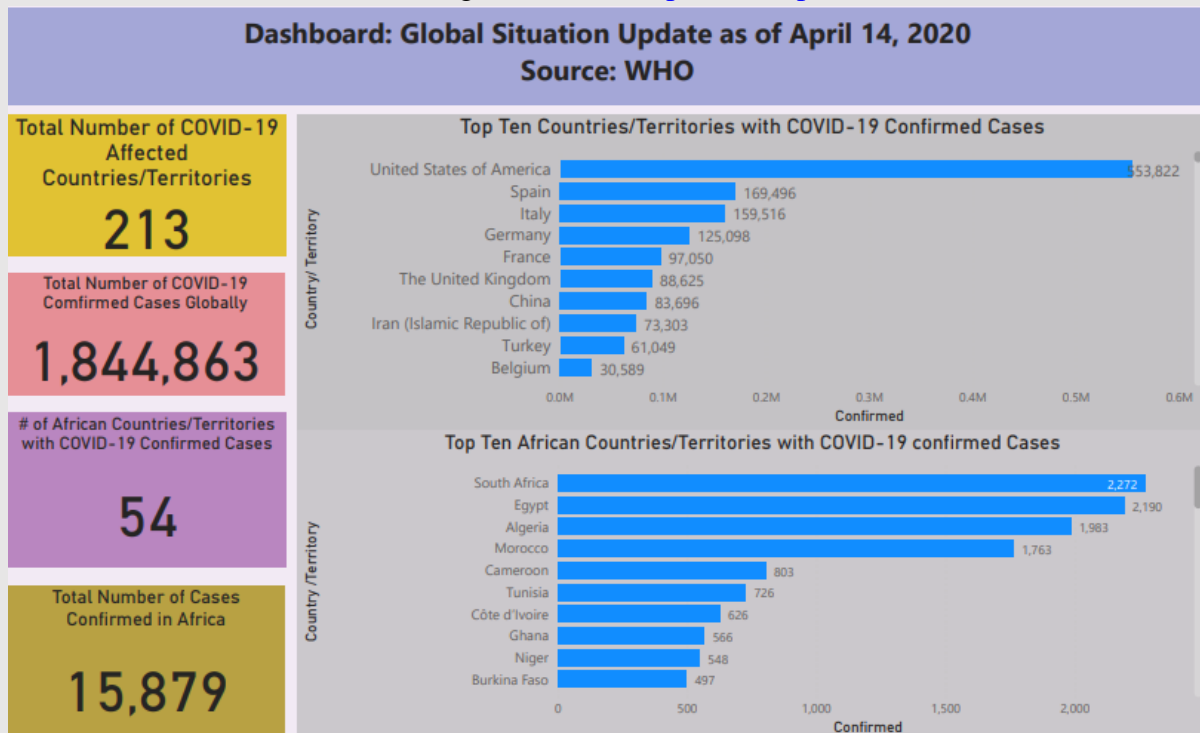
TOTAL RECOVERED

3

TOTAL DEATH

# COVID-19 GLOBAL UPDATE

Access link for WHO COVID-19 monitoring dashboard: <https://who.sprinklr.com/>



# MAJOR COVID-19 PREPAREDNESS AND RESPONSE EFFORTS IN ETHIOPIA

## BACKGROUND

Ethiopia activated its IMS under the national PHEOC. WHO and its partners are currently supporting in scaling up preparedness efforts and implementation of related recommendations suggested by the IHR Emergency Committee. Different layer so coordination platform revitalized and the PHEOC is working collaboratively with various agency representative, Partners, Embassies, hospitality sector, Industrial parks and others. There is strong communication and updating from other countries through IHR-NFPs. The sub-national level is well engaged in the preparedness and response efforts. Joint regular media briefing sessions are being conducted.

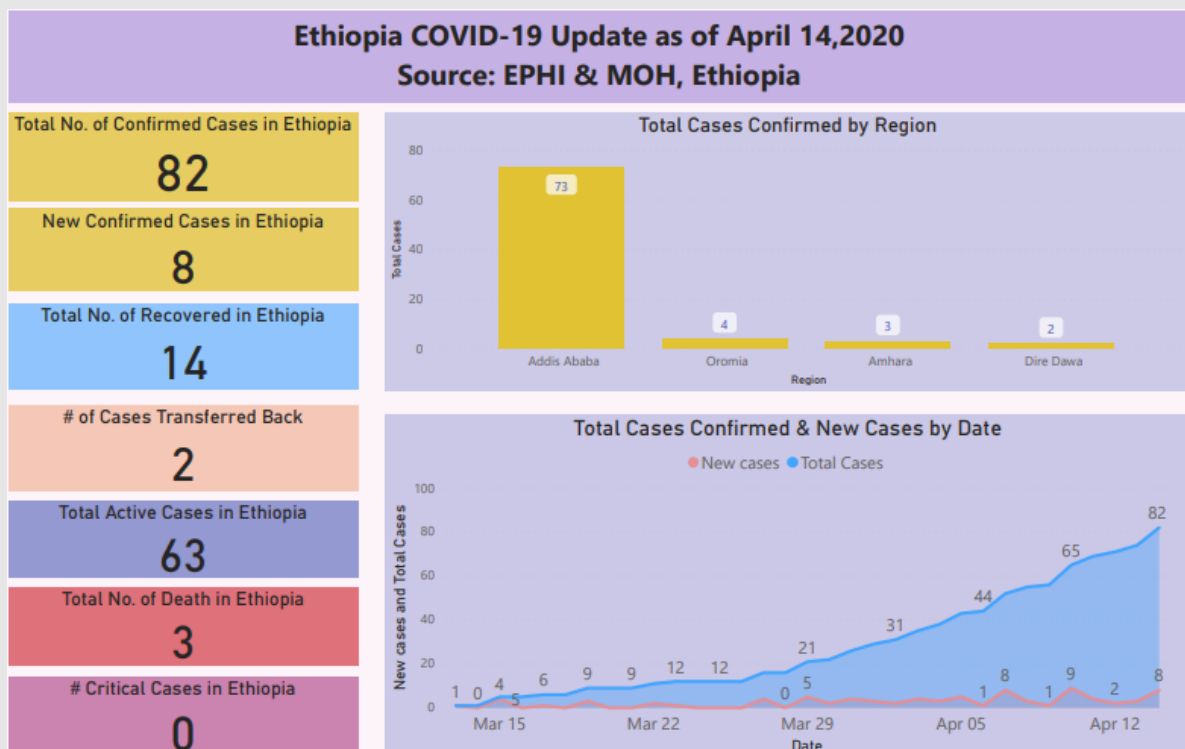
## COORDINATION and COLLABORATION:

- Daily morning and evening briefing of the IMS core staffs and agency representatives is being conducted on daily basis.
- Discussion has been held with Addis Ababa Bureau of Labor and Social Affairs and Ministry of Labor and Social Affairs on returnees and homeless relocation.
- Discussion has been held with the Inter Religious Council of Ethiopia secretary general regarding COVID-19 prevention and control measures.

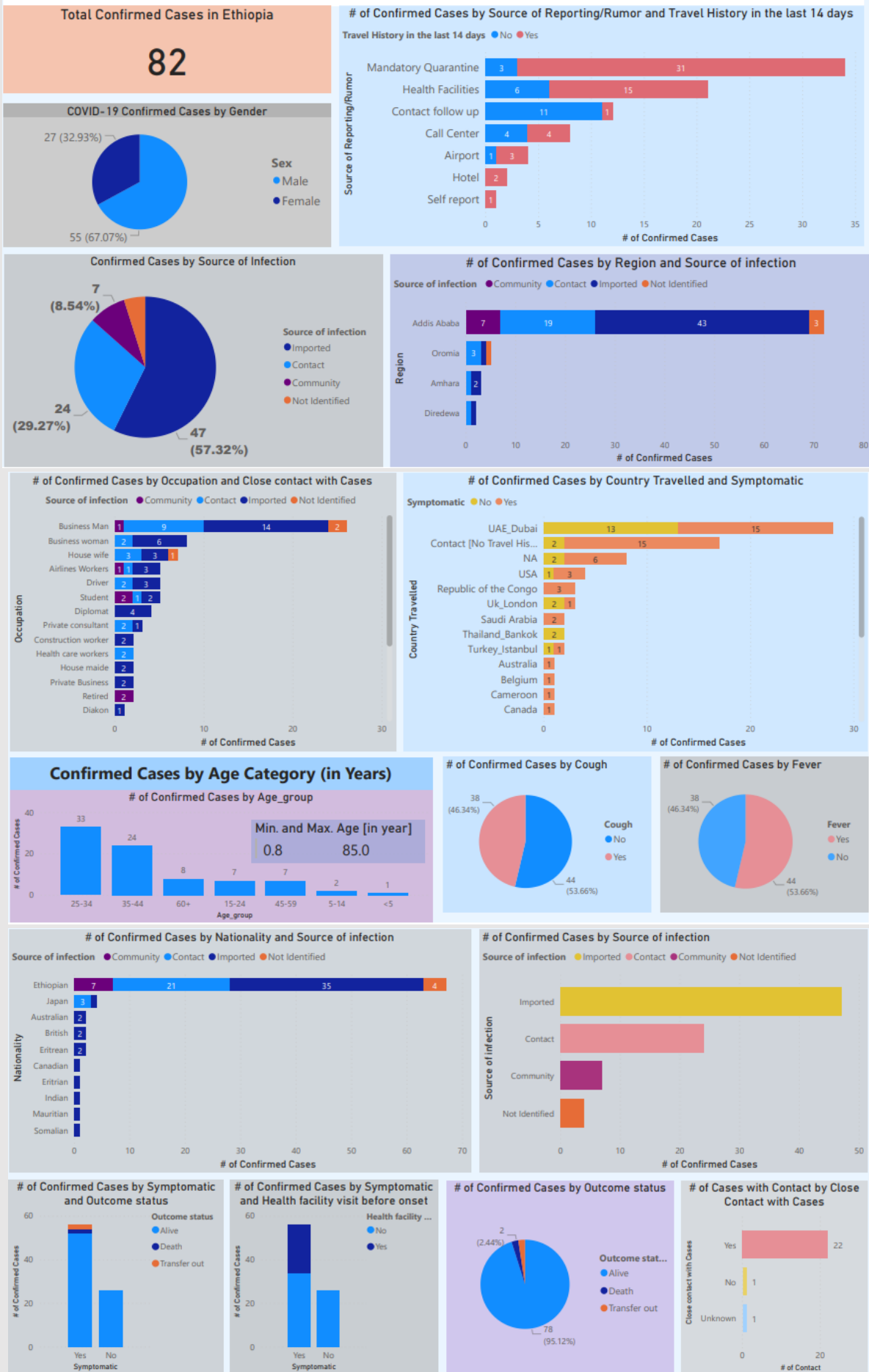
## EPIDEMIOLOGY and LABORATORY SURVEILLANCE

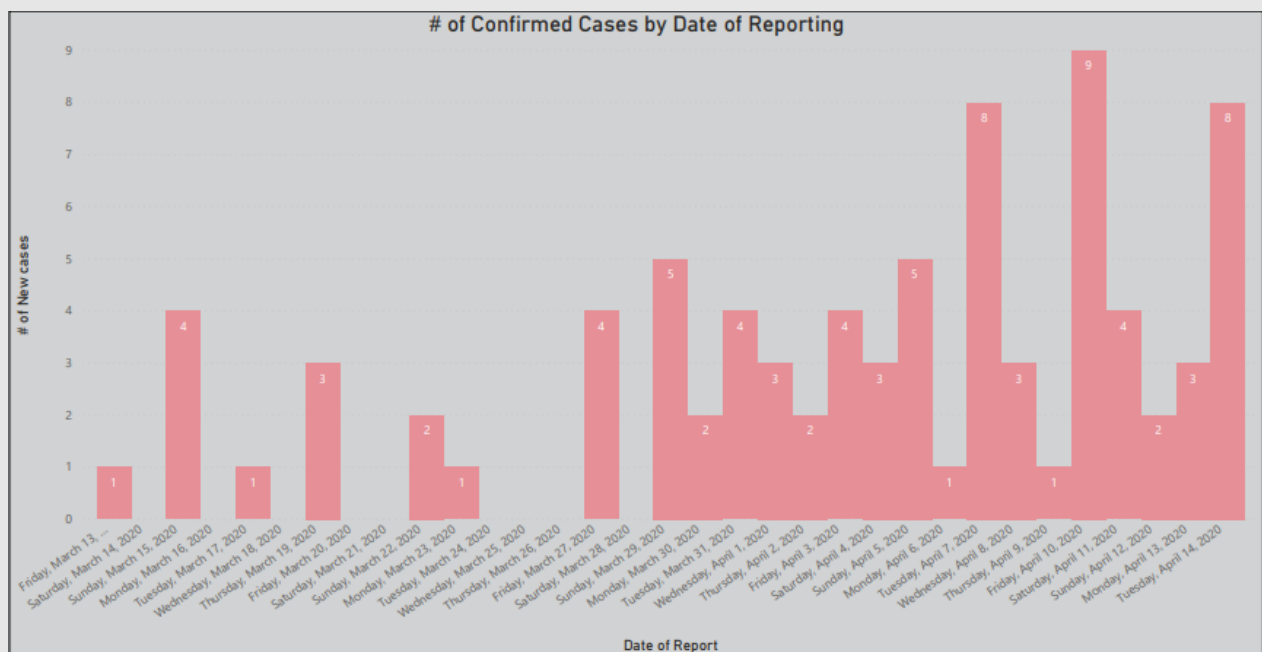
### Confirmed COVID-19 cases and death:

- There are 8 newly detected COVID-19 case bringing the total confirmed cases to 82 in the country.
- Fourteen of the COVID-19 confirmed cases have recovered.
- Two were transferred before weeks to their country
- A total of 3 COVID-19 related deaths is recorded so far.



# COVID-19 Confirmed Cases Summary Dashboard as of April 14, 2020





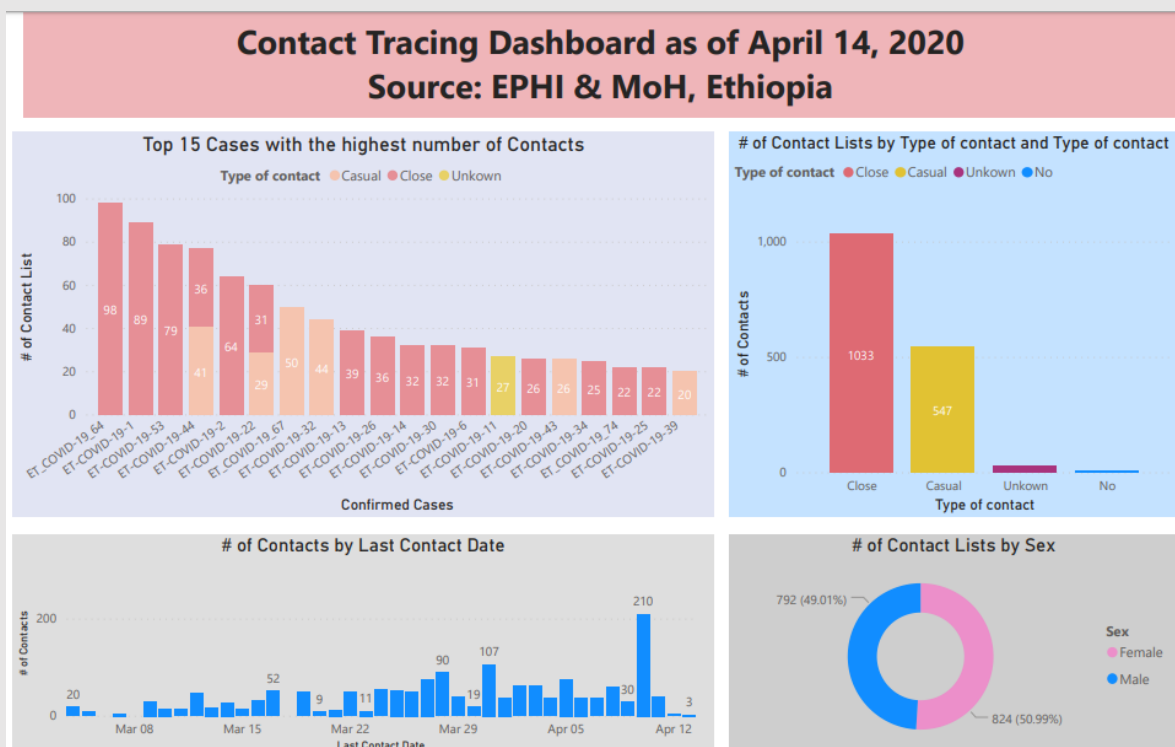
**Fig: Epi-curve of confirmed cases by date of confirmation**

### Laboratory test:

- 447 laboratory samples were tested for COVID-19 in the last 24 hours. Of these samples tested 8 were found positive and 439 were negative
- 4557 COVID-19 laboratory samples have been tested so far.

### Contact tracing and follow-up:

- As of April 14, 2020:
  - A total of 1,658 (93 new) contacts of confirmed cases have been identified.
  - 647 (17 new) have completed 14 days follow-up, while 983 contacts are still on follow-up.
  - 59 contacts developed COVID-19 suggestive symptoms.
  - 25 (3 new) of the contacts were tested positive, which are among the currently existing confirmed positive cases.



## **Rumors collection and verification from all sources**

- As of April 14, 2020:
  - 1,115 rumors/alerts have been received and investigated. Of these, 63 rumors (13 via the call center) are reported today.
  - 645 rumors/alerts (43 new) have fulfilled the suspected case definition.
- On April 14, 2020, a total of 9,438 calls are received and responded via toll-free call centers.

## **PASSENGERS SCREENING:**

- A total of 3,368 passengers arrived into the country since March 23, 2020 by flight, which includes the transiting<sup>1</sup> passengers.
- A total of 162 completed the 14 days mandatory quarantine and discharged.
- There are 6 alerts identified from quarantine sites today.
- Follow up of the quarantine implementation ongoing for passengers coming from abroad and returnees from different countries.
- Health screening for arriving international passengers and returnees are ongoing.

## **Quarantined Passenger and Returnees Population Related Activities**

- As of April 12, 2020:
  - A total of 3846 people (596 international travelers and 3250 returnees) are under forced quarantine at designated hotels and selected sites. The reports of returnees arriving through border from neighboring countries not incorporated.
  - 162 have completed 14 days follow-up and discharged, while 41 transited.
  - Six alerts have reported among the people under quarantine.

## **CASE MANAGEMENT AND INFECTION PREVENTION AND CONTROL (IPC):**

- There are 77 confirmed cases (includes the recovered cases and not yet discharged for follow purpose) in the case treatment centers currently.
- Of the confirmed cases three are located in the designated treatment center in Bahir Dar, Amhara regional state and two are in Dire Dawa city administration.
- A total of fourteen people fully recovered.
- There are 21 severe cases and others are on medical care in stable condition.
- 14 suspected cases are admitted today.
- 70 initially suspected cases are discharged after laboratory test became negative.
- There are 108 suspected cases in the isolation centers waiting for laboratory results.
- Two mobile clinics are established in Arat Kilo and Civil Service University quarantine sites.

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<sup>1</sup> Transit means passengers who will leave the country in less than 24 hours



## RECOVERY AND SURGE CAPACITY:

- Medical Surge Management Strategy for Covid-19 Response is finalized.
- Draft of surge facility plan for COVID-19 response is prepared.
- Required number of health professionals and supportive staffs for medical surge is determined and identified.

## LOGISTICS, ADMINISTRATION AND RELATED ACTIVITIES:

- 3500L Water Tanks, pedal operated waste bins, hardcore cleaning gloves, Eye goggle, scrubs, face masks and face shields are donated and received from Rotary Ethiopia.
- PPE and Alcohol Based Hand Rubs are distributed to quarantine, isolation and treatment centers.

## RISK COMMUNICATION:

- Community level active case finding guide is standardized to be used by all regions.
- Animation video on social distancing is prepared.
- Audio and text messages are selected and communicated to volunteer journalists to conduct social mobilization in selected sites in Addis Ababa.
- Key messages on animal slaughtering, unchecked and sick animals discarding and physical distancing and hand hygiene developed and designed
- Press release on newly confirmed COVID-19 cases shared for the public.

## TRAINING AND ORIENTATION:

- Orientation is given for staffs at Arat Kilo and Sarem Hotel quarantine sites.
- The second round of 3 days training on COVID-19 is started for 12 medical doctors and 12 nurses to be deployed to Eka Kotebe and St. Peter Specialized Hospital COVID-19 treatment centers.



# NATIONAL COVID-19 RELATED DOCUMENTS (PROTOCOLS AND GUIDELINES)

**AVAILABLE ONLINE:** Can be accessed from: <https://www.ephi.gov.et/index.php/public-health-emergency/novel-corona-virus-update/guidelines>

## MEDIA / WEB SCANNING:

### Air Pollution and COVID-19

- A study was done in Northern Italian region correlating the highest level of virus lethality in the world and one of Europe's most polluted area (1).
- Based on this correlation, the possible link between pollution and the development of acute respiratory distress syndrome and eventually death was analyzed (1).
- Accordingly, this paper showed that people living in an area with high levels of pollutant are more prone to develop chronic respiratory conditions and suitable to any infective agent (1).
- Moreover, a prolonged exposure to air pollution leads to a chronic inflammatory stimulus, even in young and healthy subjects (1).
- In conclusion, this study showed that the high level of pollution in Northern Italy should be considered an additional co-factor of the high level of lethality recorded in that area (1).
- Another research from Harvard University looked at air pollution and COVID-19 deaths in 3,000 United States counties and showed that even a small increase in air pollution can make the coronavirus more deadly (2).
- This study concluded that just a single microgram per cubic meter increase in the common air pollutant fine particulate matter (PM<sub>2.5</sub>) can increase the death rate of COVID-19 by 15% (2).
- In many cases, coronavirus acts by infecting the respiratory tract. So it makes sense that respiratory systems, weakened by decades of exposure to poor air quality, could be left most vulnerable to the disease (2,3).
- This study also provides evidence that counties that have more polluted air will experience higher risks of death for Covid-19 (2).
- This study also showed that a small increase in long-term exposure to PM<sub>2.5</sub> leads to a large increase in COVID-19 death rate of a magnitude that is 20 times the one estimated for all-cause mortality (2).
- Another study published in Environmental Pollution examined the high death rates in Northern Italy — one of Europe's most polluted areas — concluding that air pollution should be considered another factor in COVID-19 fatality (4).

### References:

1. Can atmospheric pollution be considered a co-factor in extremely high level of SARS-CoV-2 lethality in Northern Italy? Conticini E, Frediani B, Caro D. [DOI:10.1016/j.envpol.2020.114465](https://doi.org/10.1016/j.envpol.2020.114465)
2. Exposure to air pollution and COVID-19 mortality in the United States Xiao Wu, Rachel C. Nethery, M. Benjamin Sabath, Danielle Braun, Francesca Dominici)  
[https://projects.iq.harvard.edu/files/covid-pm/files/pm\\_and\\_covid\\_mortality.pdf](https://projects.iq.harvard.edu/files/covid-pm/files/pm_and_covid_mortality.pdf)
3. CORONAVIRUS STUDY LINKS AIR POLLUTION TO HIGHER CORONAVIRUS DEATH RATES. April 10, 2020 <https://www.earthday.org/study-links-air-pollution-to-higher-coronavirus-death-rates/>
4. Can atmospheric pollution be considered a co-factor in extremely high level of SARS-CoV-2 lethality in Northern Italy? Edoardo Conticini, Bruno Frediani, Dario Carob. <https://doi.org/10.1016/j.envpol.2020.114465>



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

**DISCLAIMER**

Figures presented in this situation report are pulled from official releases of the World Health Organization,  
Other sources from the web, as well as report compiled by the National Incidence Response Team

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