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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), 15 April 2020)

15 April 2020

ISSUE
No

83

HIGHLIGHTS

- There are 3 newly detected COVID-19 cases bringing the total confirmed cases to 85 in the country.
- A total of 15 COVID-19 cases (one new) have recovered and a total of 3 COVID-19 deaths has occurred so far.
- Of the 59 new rumors /alerts received today, 37 fulfilled the suspected case definition.
- 79 new contacts of confirmed cases have been identified today bringing the number of contacts identified so far to about 1,737.
- 431 COVID-19 laboratory samples were tested within the last 24 hours (3 positive and 428 negative).
- One of the female COVID-19 confirmed cases is transferred to Yekatit 12 Hospital after labor is diagnosed.
- Donation of 10 oxygen cylinders from the Ministry of Peace received.
- Social mobilization conducted by two mobile vans in Addis Ababa

COVID-19 NATIONAL UPDATE

3,767

PASSENGERS UNDER
MANDATORY QUARANTINE

1,174

RUMORS/ALERTS RECEIVED
AND INVESTIGATED

1,737

CONTACTS OF THE
CONFIRMED CASES

682

SUSPECTED CASES
DETECTED

85

TOTAL
CONFIRMED CASE

15

TOTAL RECOVERED

3

TOTAL DEATH

COVID-19 GLOBAL UPDATE

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

Dashboard: Global Situation Update as of April 15, 2020 Source: WHO

Total Number of COVID-19 Affected Countries/Territories

213

Total Number of COVID-19 Confirmed Cases Globally

1,914,916

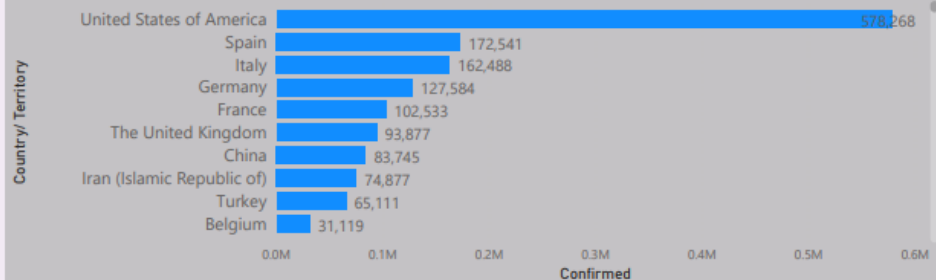
of African Countries/Territories with COVID-19 Confirmed Cases

54

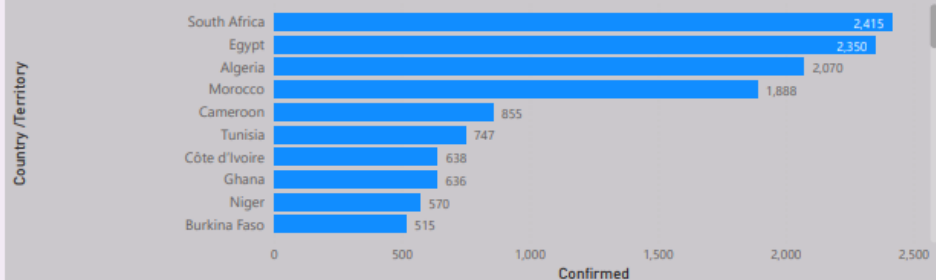
Total Number of Cases Confirmed in Africa

16,842

Top Ten Countries/Territories with COVID-19 Confirmed Cases



Top Ten African Countries/Territories with COVID-19 confirmed Cases



Dashboard: Global Situation Update as of April 15, 2020 Source: WHO

Total Number of Deaths with COVID-19 Globally

123,010

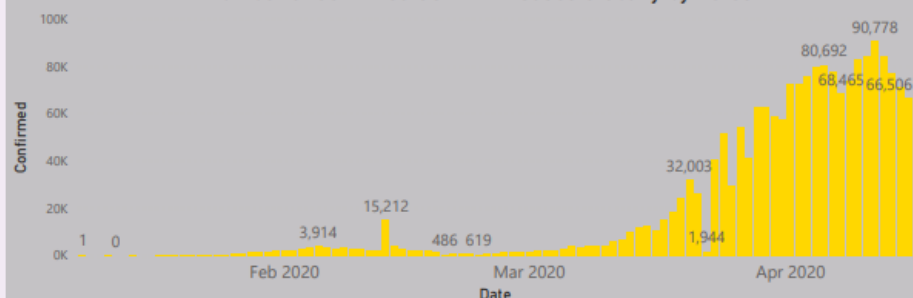
Total Number of Deaths in Africa with COVID-19

871

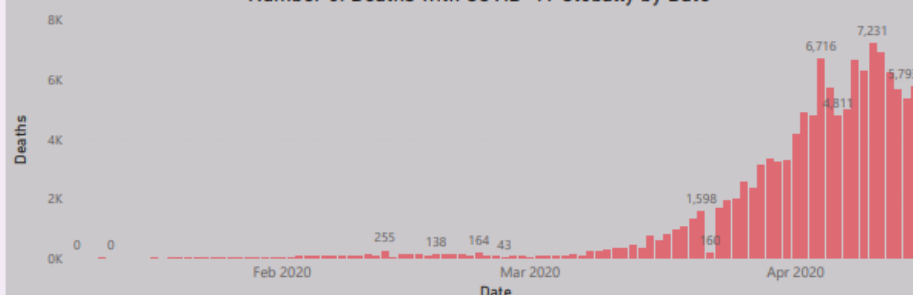
Total Number of Deaths in Europe with COVID-19

84,607

Number of Confirmed COVID-19 Cases Globally by Dates

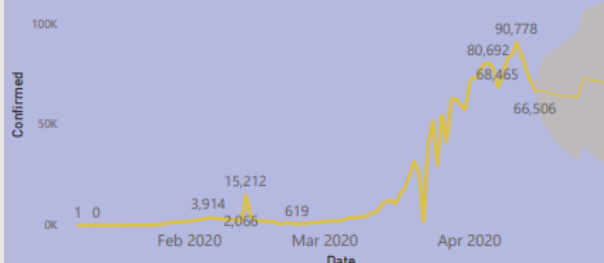


Number of Deaths with COVID-19 Globally by Date

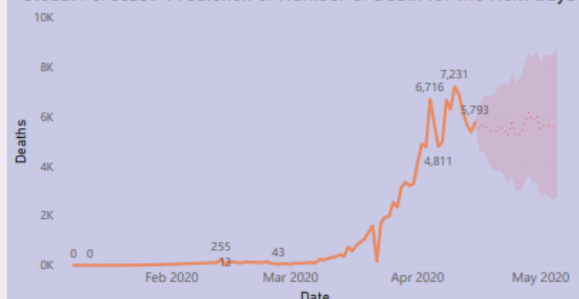


Dashboard: Global Situation Update as of April 15, 2020 [Forecast] Source: WHO

Global Forecast/Prediction of Number of Cases for the Next Days



Global Forecast/ Prediction of Number of Death for the Next Days



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.

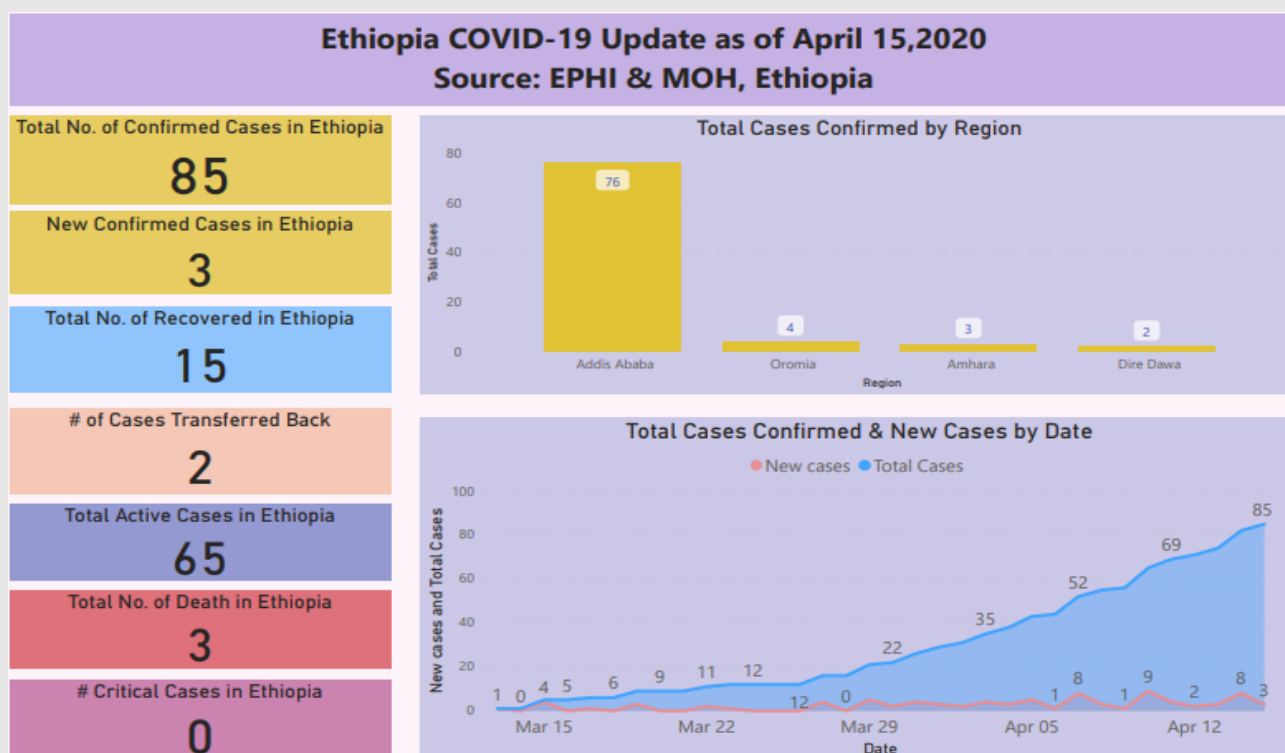
COORDINATION and COLLABORATION:

- Daily morning and evening briefing of the IMS core staffs and agency representatives is being conducted on daily basis.
- Addis Media Network FM 96.3 live discussed was conducted regarding COVID-19 and animal products and slaughter safety related issues during the upcoming Easter festival.

EPIDEMIOLOGY and LABORATORY SURVEILLANCE

Confirmed COVID-19 cases and death:

- There are 3 newly detected COVID-19 case bringing the total confirmed cases to 85 in the country.
- There is one newly recovered COVID-19 case bringing the total recovered cases to 15.
- Two were transferred to their country on 23rd March 2020.
- A total of 3 COVID-19 related deaths is recorded so far.

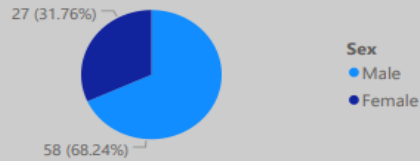


COVID-19 Confirmed Cases Summary Dashboard as of April 15, 2020

Total Confirmed Cases in Ethiopia

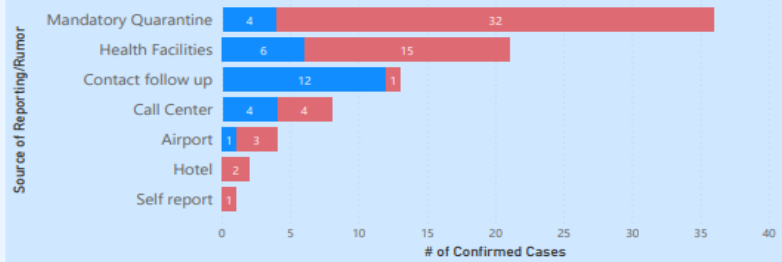
85

COVID-19 Confirmed Cases by Gender

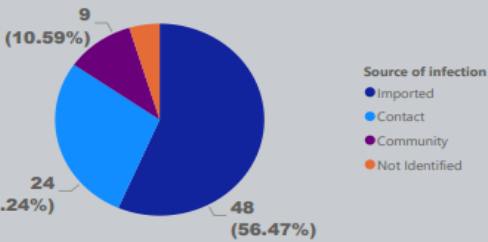


of Confirmed Cases by Source of Reporting/Rumor and Travel History in the last 14 days

Travel History in the last 14 days ● No ● Yes

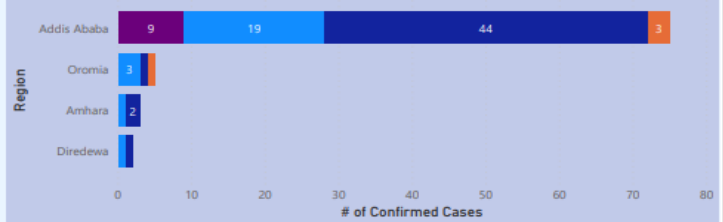


Confirmed Cases by Source of Infection



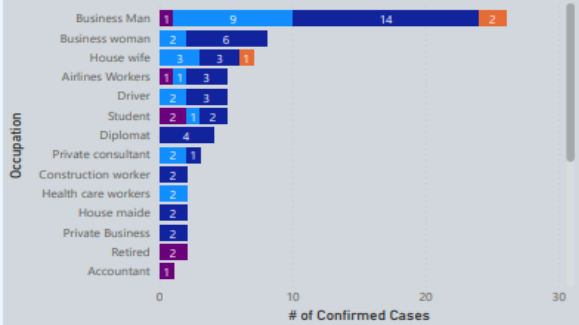
of Confirmed Cases by Region and Source of infection

Source of infection ● Community ● Contact ● Imported ● Not Identified



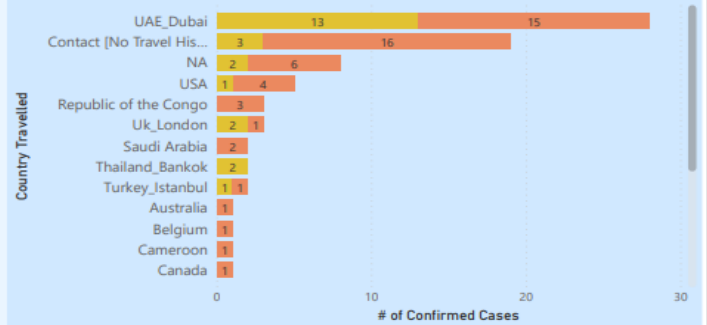
of Confirmed Cases by Occupation and Close contact with Cases

Source of infection ● Community ● Contact ● Imported ● Not Identified



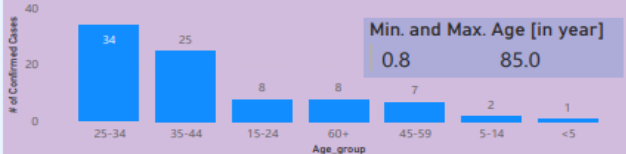
of Confirmed Cases by Country Travelled and Symptomatic

Symptomatic ● No ● Yes



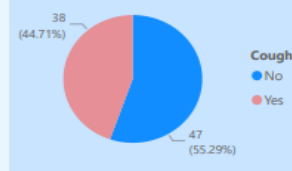
Confirmed Cases by Age Category (in Years)

of Confirmed Cases by Age_group

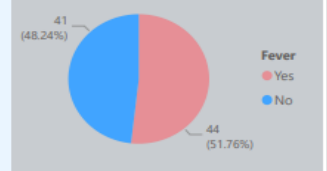


Min. and Max. Age [in year]
0.8 85.0

of Confirmed Cases by Cough

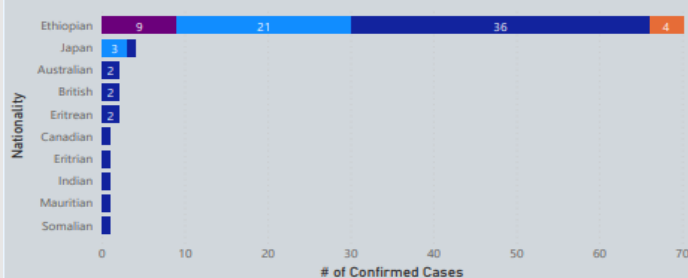


of Confirmed Cases by Fever



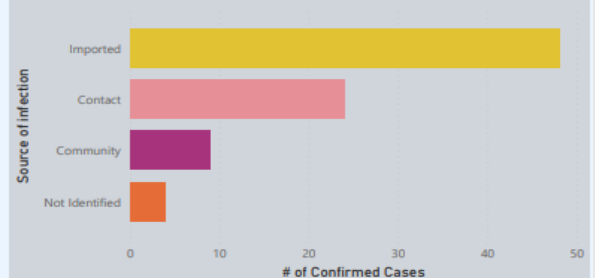
of Confirmed Cases by Nationality and Source of infection

Source of infection ● Community ● Contact ● Imported ● Not Identified

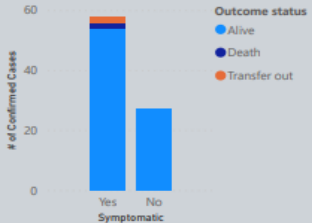


of Confirmed Cases by Source of infection

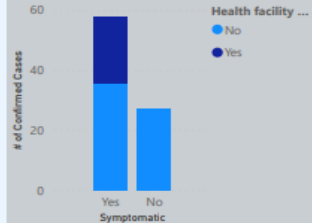
Source of infection ● Imported ● Contact ● Community ● Not Identified



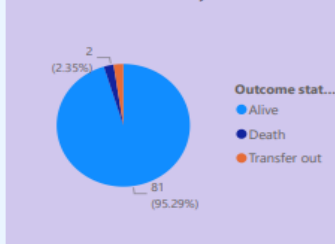
of Confirmed Cases by Symptomatic and Outcome status



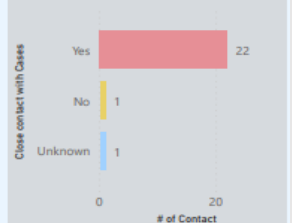
of Confirmed Cases by Symptomatic and Health facility visit before onset



of Confirmed Cases by Outcome status



of Cases with Contact by Close Contact with Cases



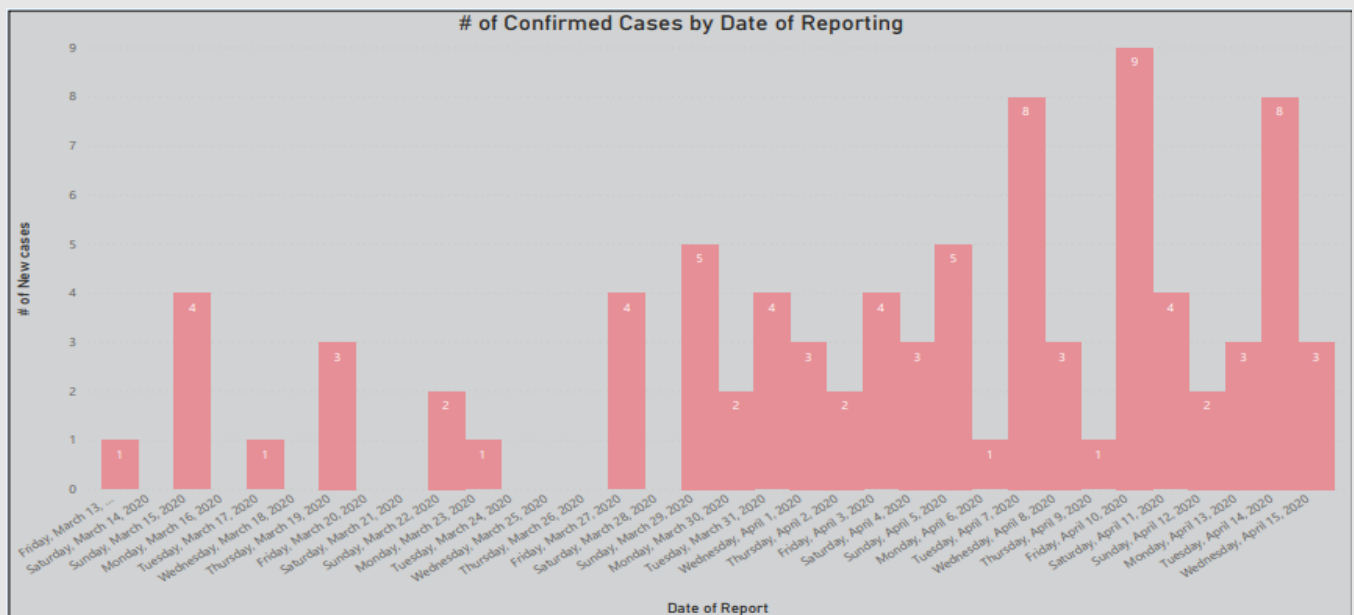


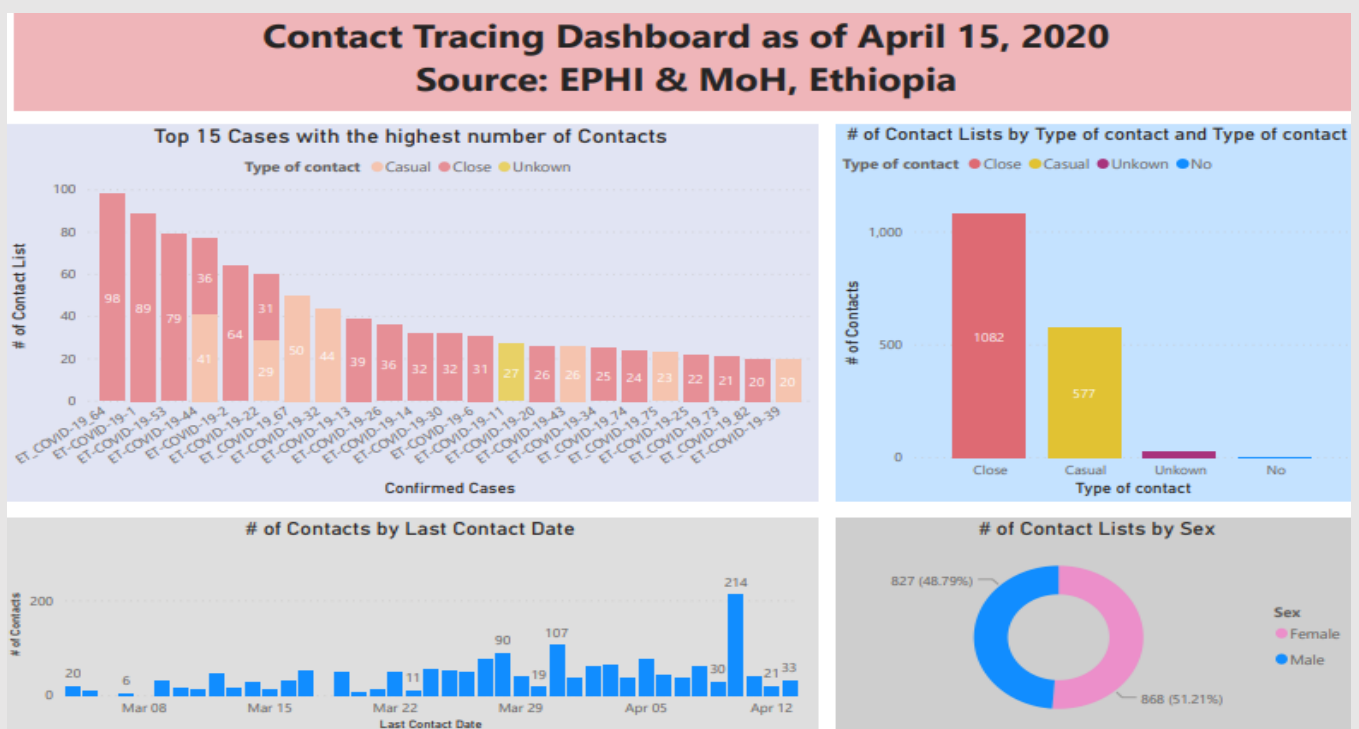
Fig: Epi-curve of confirmed cases by date of confirmation

Laboratory test:

- 431 laboratory samples were tested for COVID-19 in the last 24 hours. Of these samples tested 3 were found positive and 428 were negative.
- 4,557 COVID-19 laboratory samples have been tested so far.

Contact tracing and follow-up:

- As of April 15, 2020:
 - A total of 1,737 (79 new) contacts of confirmed cases have been identified.
 - 882 (235 new) have completed 14 days follow-up, while 825 contacts are still on follow-up.
 - 57 contacts developed COVID-19 suggestive symptoms.
 - 27 (2 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 15, 2020:
 - 1,174 rumors/alerts have been received and investigated. Of these, 59 rumors (8 via the call center) are reported today.
 - 682 rumors/alerts (37 new) have fulfilled the suspected case definition.
- On April 15, 2020, a total of 10,342 calls are received and responded via toll-free call centers.

PASSENGERS SCREENING:

- A total of 3,403 passengers arrived into the country since March 23, 2020. The number didn't include the forced returnees coming in from different countries.
- 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.
- Women sanitary pads are available for returnees at Sidist Kilo quarantine sites.

Quarantined Passenger and Returnees Population Related Activities

- As of April 15, 2020:
 - A total of 3,767 people (618 international travelers and 3149 returnees) are under forced quarantine at designated hotels and selected sites.
 - 41 have completed 14 days follow-up and discharged.
 - 26 alerts have reported among the people under quarantine.

Phone Follow-Up of Travelers

- As of April 15, 2020:
 - 76 travelers and discharged suspects are under follow-up.
 - 3,364 (2 new) have completed 14 days of follow-up and graduated from follow-up.
 - There is no alert case detected during follow up as of today.

CASE MANAGEMENT AND INFECTION PREVENTION AND CONTROL (IPC):

- Disinfection is done in Ambassador, Concord and Azzeman hotels and Akililu Lema Institute of Pathobiology quarantine sites.
- There are 80 confirmed cases (includes the recovered cases and not yet discharged to follow them) 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.
- There is one severe case and others are on medical care in stable condition.
- A total of 15 people fully recovered.
- 25 suspected cases are admitted today.
- 14 initially suspected cases are discharged after laboratory test became negative.
- There are 119 suspected cases in the isolation centers waiting for laboratory results.

RECOVERY AND SURGE CAPACITY:

- Final draft of Medical Surge Management Strategy is shared for stakeholders for feedback.
- Mapping the existing health professionals needed for COVID-19 response is started.

LOGISTICS, ADMINISTRATION AND RELATED ACTIVITIES:

- Donation of 10 oxygen cylinders from the Ministry of Peace received.
- PPE and Alcohol Based Hand Rubs are distributed to quarantine, isolation and treatment centers.

RISK COMMUNICATION:

- Addis Media Network FM 96.3 live discussed was conducted regarding COVID-19 and animal products and slaughter safety related issues during the upcoming Easter festival.
- Social mobilization conducted by two mobile vans around Gotera, Saris, Kaliti, Megenagna, Sholla, Kotebe and in Addis Ababa Science and Technology University regarding COVID-19 prevention and control.
- Press release on newly confirmed COVID-19 cases shared for the public.

TRAINING AND ORIENTATION:

- 7 laboratory technicians (3 from Debre Berhan, 2 from Nekemte and 2 from Harari) are trained on COVID-19 laboratory testing.
- The second round of 3 days training on COVID-19 is ongoing 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:

Animal contact and COVID-19

- Different studies indicate that bats might be the ecological reservoir or origin host of SARS-COV-2 (1,2).
- However, since there is usually very limited close contact between humans and bats, it is more likely that transmission of SARS-CoV-2 to humans happened through an intermediate host, i.e. another animal species more likely to be handled by humans (WHO) (3).
- A study in Wuhan investigated the infection of SARS-CoV-2 in cats by detecting specific serum antibodies and showed that SARS-CoV-2 has infected cat population in Wuhan during the outbreak (4).
- Another study found that SARS-CoV-2 replicates poorly in dogs, pigs, chickens, and ducks, but ferrets and cats are permissive to infection (5). Additionally, the occasional reports of infected cats belonging to patients diagnosed with SARS-2 suggests that human-to-cat transmission may occur (6).
- Note that there is no public report or evidence of pet-to-human transmission (6).

Recommendation to reduce risk of animals to human's transmission (in live animal markets or animal product markets) (3).

- For visitors: -
 - Anyone visiting live animal markets, wet markets, or animal product markets should practice general hygiene measures, including
 - Regular hand washing with soap and water after touching animals and animal products,
 - Avoiding touching eyes, nose, or mouth with hands, and
 - Avoiding contact with sick animals or spoiled animal products.
 - Any contact with other animals possibly living in the market (stray cats and dogs, rodents, birds, bats) should be avoided.
 - Attention should be taken to avoid contact with potentially contaminated animal waste or fluids on the soil or structures of shops and market facilities. (WHO)
 - The consumption of raw or undercooked animal products should be avoided.
 - Raw meat, milk, or animal organs should be handled with care, to avoid cross-contamination with uncooked foods, as per good food safety practices.
- For workers: -
 - Slaughterhouse workers, veterinarians in charge of animal and food inspection in markets, market workers, and those handling live animals and animal products should
 - Practice good personal hygiene, including frequent hand washing,
 - Consider wearing protective gowns and gloves while professionally handling animals and fresh animal products,
 - Frequently disinfect equipment and working stations (at least once a day),
 - Remove and wash protective clothing daily, and
 - It is recommended that protective clothes and items remain at the workplace for daily washing to prevent further contamination.

- Sick animals should never be slaughtered for consumption.
- Dead animals should be safely buried or destroyed and contact with their body fluids without protective clothes should be avoided.
- Veterinarians should maintain a high level of vigilance and report any unusual event detected in any animal species present in the markets.

References:

1. Sin-Yee Fung, Kit-San Yuen, Zi-Wei Ye, Chi-Ping Chan & Dong-Yan Jin (2020) A tug-of-war between severe acute respiratory syndrome coronavirus 2 and host antiviral defence: lessons from other pathogenic viruses, *Emerging Microbes & Infections*, 9:1, 558-570, DOI: 10.1080/22221751.2020.1736644
2. The origin, transmission and clinical therapies on coronavirus disease 2019 (COVID-19) outbreak – an update on the status 7 (1) *JO Military Medical Research*. DOI:10.1186/s40779-020-00240-0
3. Reducing animal-human transmission of emerging pathogens (26 March 2020) <https://www.who.int/health-topics/coronavirus/who-recommendations-to-reduce-risk-of-transmission-of-emerging-pathogens-from-animals-to-humans-in-live-animal-markets>.
4. SARS-CoV-2 neutralizing serum antibodies in cats: a serological investigation. Qiang Zhang, Huajun Zhang, Kun Huang, Yong Yang, Xianfeng Hui, et.al. doi:<https://doi.org/10.1101/2020.04.01.021196>.
5. Susceptibility of ferrets, cats, dogs, and other domesticated animals to SARS–coronavirus 2. JIANZHONG SHI, ZHIYUAN WEN, GONGXUN ZHONG, et.al. 08 APR 2020 DOI: 10.1126/science.abb7015.
6. Expert reaction to a study looking at susceptibility of pets to the COVID-19 virus (SARS-CoV-2) April 8, 2020 <https://www.sciencemediacentre.org/expert-reaction-to-a-study-looking-at-susceptibility-of-pets-to-the-covid-19-virus-sars-cov-2/>.

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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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