



COVID-19 Epidemiologic Bulletin

Prepared by Emergency Operation Center (EOC)

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Key Messages

- The World Health Organization warned the coronavirus pandemic was likely to be "lengthy" as it met to evaluate the situation, six months after sounding the international alarm.
- The WHO emergency committee "highlighted the anticipated lengthy duration of this COVID-19 pandemic" when it met on Friday, the WHO said in a statement, warning of "the risk of response fatigue in the context of socio-economic pressures".
- Confirmed cases in Africa rising rapidly; South Africa surpassed half a million cases tallying more than 50 per cent of all reported coronavirus infections in Africa's 57 countries.
- COVID-19 Prevention and Testing Campaign was announced planning to test 200,000 people for the virus in the coming two weeks.
- Ethiopia crossed 18,500 cases and 28 deaths recorded in one day.

1. COVID Global and Local Statistical Situation Updates

1.1 Global Status COVID –

Global (August 2, 2020, 23:45 GMT) (Source: Worldometer).

- Total confirmed: 18,220,353
- Total dead: 692,354
- Total recovered: 11,436,724
- Total countries affected: 215

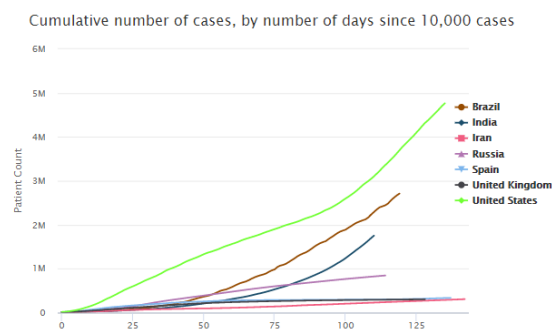


Fig 1; Case progression by country (Source: worldometer)

1.2 African Situation

COVID - Regional Africa, (August 2, 2020, 23:45 GMT) (Source: Worldometer)

- Total confirmed: 961,388
- Total dead: 20,350
- Total recovered: 615,344
- Total countries affected: 57

1.3. Ethiopian Status

COVID - National (Ethiopia), (August 3, 2020, 00:09 GMT) (Source: Worldometer)

- Total tested; 437,319
- Total confirmed: 18,706
- Total dead: 310
- Total recovered: 7601

Total Coronavirus Deaths in Ethiopia

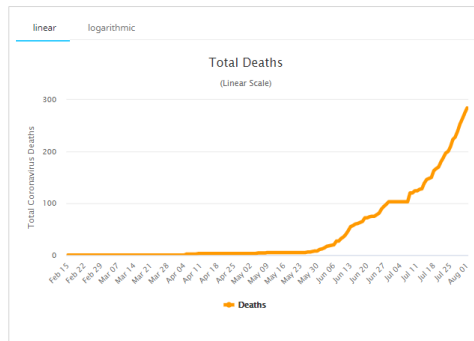


Fig 2: COVID 19 death in Ethiopia (Source: Worldometer)

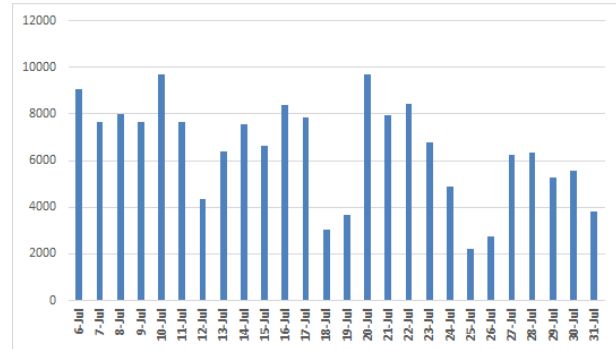


Fig 4: Daily reports of thermal screening TASH (6th – 31st July, 2020) Source: TASH-HMIS

1.4. COVID - TASH:

COVID Screening and Diagnosis updates @ TASH

- Total Thermal Screened (as of 31/07/2020): 652,963
- Total COVID Screened at TASH (25-31/07/2020): 119
- Total COVID Screened at TASH (cumulative): 9757
- Total COVID confirmed at TASH (25-31/07/2020): 13
- Total COVID Confirmed at TASH (Cumulative): 124
- COVID-19 Confirmed TASH staff (25-31/07/2020): 5
- Total COVID-19 Confirmed TASH staff: 35

1.4.1 TASH Thermal Screening

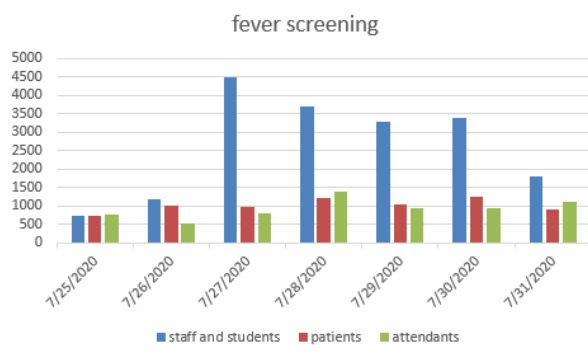


Fig 3: Daily reports of thermal screening in TASH (this week) Source: TASH-HMIS

1.4.2. TASH COVID19 Testing

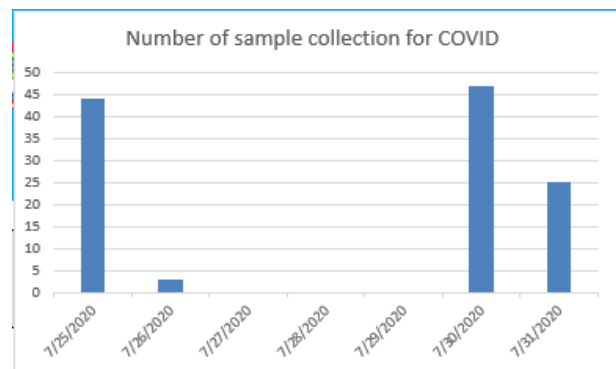


Fig 5: Number of samples collected in TASH (this week) Source: TASH-HMIS.

1.4.3. TASH-Outpatient Visit

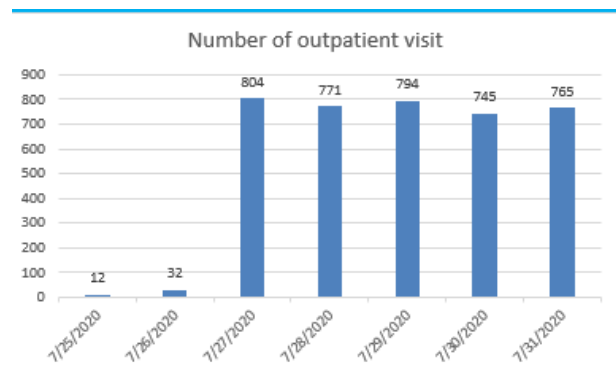


Fig 7: Non-COVID-19 outpatient visit in TASH (this week) Source: TASH-HMIS.

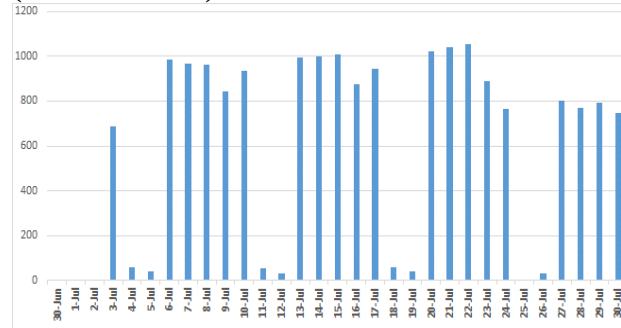


Fig 8: Non-COVID-19 outpatient visit in TASH (June 30 to July 30, 2020) Source: TASH-HMIS.

1.4.4. TASH-Emergency and Inpatient Visit

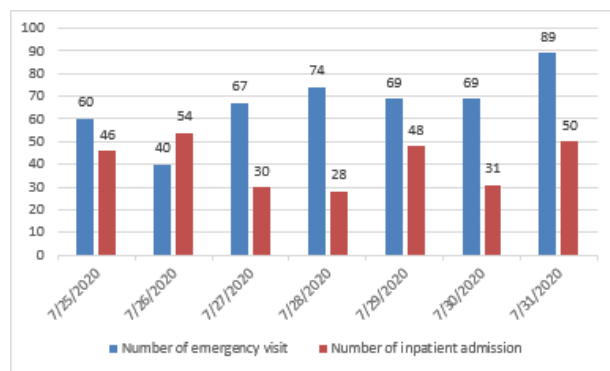


Fig 9: Non-COVID-19 emergency and inpatient visit in TASH (this week) Source: TASH-HMIS.

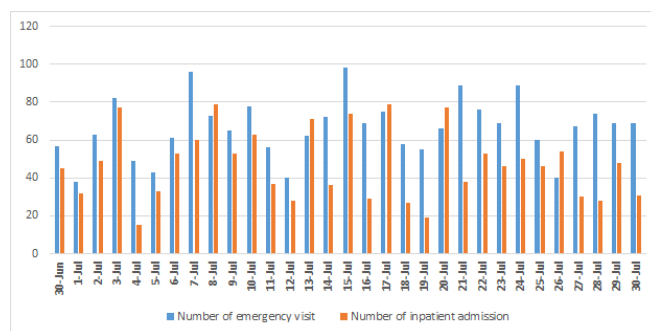


Fig 10: Non-COVID-19 emergency and inpatient visit in TASH (30th June- 30th July, 2020) Source: TASH-HMIS.

1.4.5 TASH-Maternal and Newborn Health

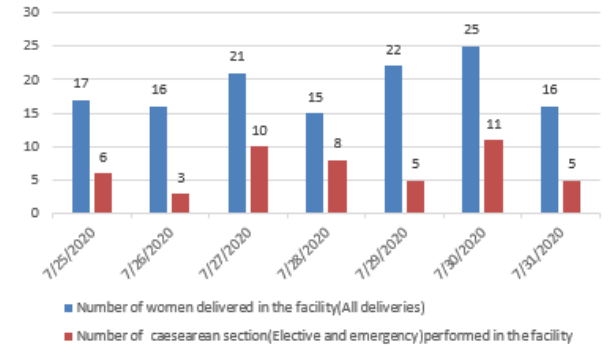


Fig 11: Non-COVID-19 Women deliveries at TASH (this week - Source: TASH-HMIS).

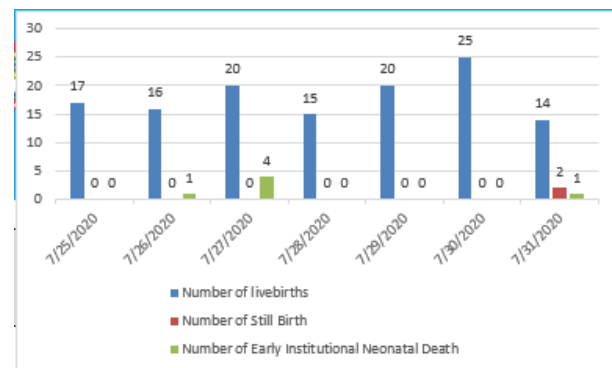


Fig 12: Live births and Early Neonatal Death in TASH (this week - Source: TASH-HMIS).

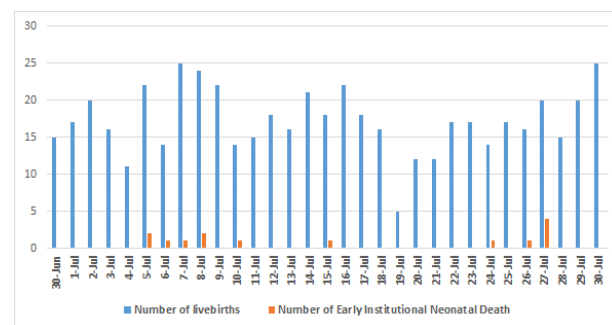


Fig 13: Live births and Early Neonatal Death in TASH (30th June- 30th July, 2020)- Source: TASH-HMIS).

1.4.6 TASH-Non-COVID-Deaths

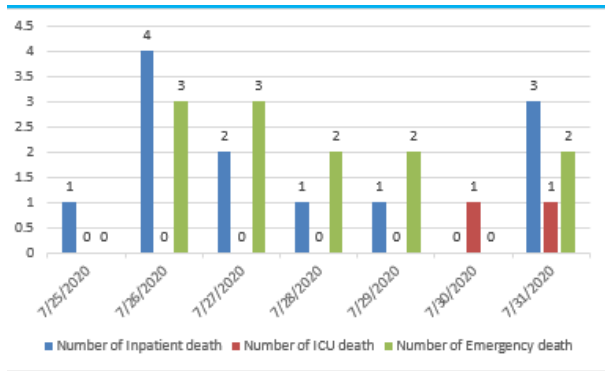


Fig 14: Non-COVID-19 inpatient, emergency and ICU deaths in TASH (**this week**) Source: TASH-HMIS.

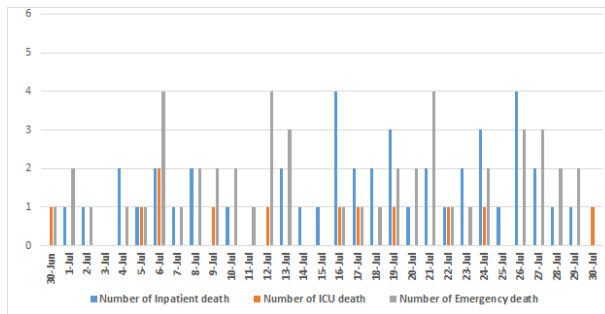


Fig 15: Non-COVID-19 inpatient, emergency and ICU deaths in TASH (June 30th -30th July, 2020) Source: TASH-HMIS

1.4.7 TASH-Inpatient Discharges

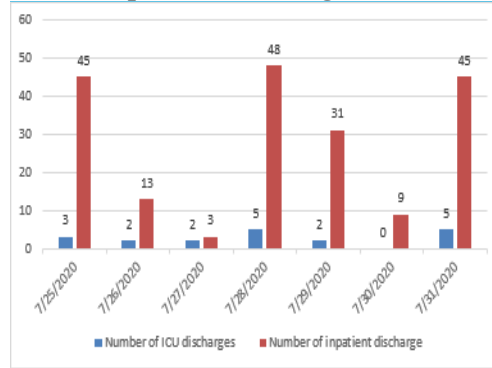


Fig 16: Non-COVID-19 inpatient and ICU discharge in TASH (**this week**) Source: TASH-HMIS.

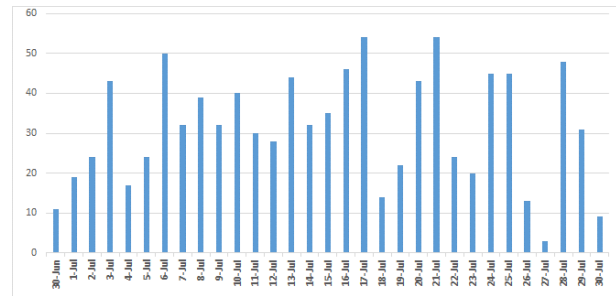


Fig 17: Non-COVID-19 inpatient discharge in TASH (June 30th - 30th July, 2020) Source: TASH-HMIS.

1.4.8 TASH Chronic Disease Clinic Performance

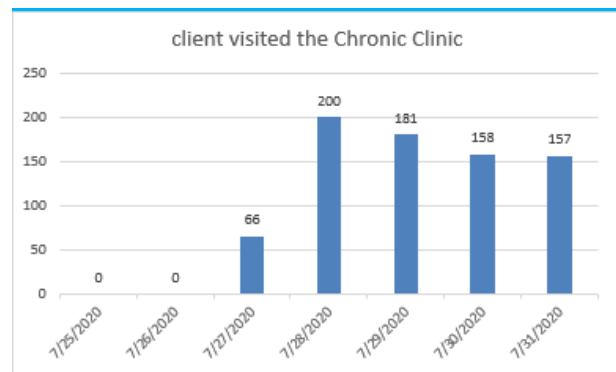


Fig 18. Non-COVID-19 clients visited the Chronic Clinic (HPN, DM CVD, Asthma) in TASH (**this week**) Source: TASH-HMIS.

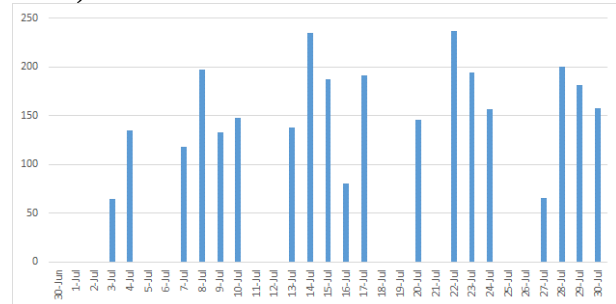


Fig 19: Non-COVID-19 client visited the Chronic Clinic (HPN, DM CVD, and Asthma) in TASH (June 30th -30th July, 2020) Source: TASH-HMIS.



2. CHS/TASH COVID Preparedness and Response Updates

Incident Management

- Isolation team working to address challenges related to ICU bed and IPC and there has been improvement with regard to patient's admission and discharges.
- Isolation team closely working with admission and emergency team to address ICU bed shortage.

Infection Prevention and Control

- The IPC team should intensively monitor the IPC performance such as hand washing practices, mask use and shortage.
- The supervision and IPC team will deliver information sheet to OPDs on how residents could access google and masks.
- The hand washing facilities at the gates requires follow up and the IPC team is working to avail water and change the hand washing facilities.
- The family medicine team took over the thermal screening and cough and fever clinic at the gates and following their performance.

Case Management

- Emergency team finalizing guide for managing cardiac arrest during COVID-19
- Emergency team requested regular OPD team to link COVID-19 suspected cases to cough and fever clinic and transfer to isolation based on the flow chart. (supervision team will label the flow chart in each OPD).
- Isolation pharmacy equipped and started functioning.

Laboratory Services

- Testing capacity reduced due to shortage of RNA extraction kits and the management decided using available kits from other sources for until the required kits are available.

3. Important COVID Related Research Updates and Resources

- a. "Six months into a respiratory pandemic, we're still not given sensible and practical guidance against short-range aerosol—airborne—transmission of COVID." <https://theatlantic.com/health/archive/2020/07/why-arent-we-talking-more-about-airborne-transmission/614737/>
- b. <https://covid-19.cochrane.org/studies/crs-14180554>
Mobile geo-location data is a valuable asset in the assessment of movement patterns of a population. Once a highly contagious disease takes place in a location the movement patterns aid in predicting the potential spatial spreading of the disease, hence mobile data becomes a crucial tool to epidemic models. Although the high-risk regions are those closer to the capital cities, where the outbreak has started, there are also cities in the countryside with great risk. The mathematical framework developed in this paper is quite general and may be applied to locations around the world to evaluate the risk of infection by diseases, in special the COVID-19, when geo-location data is available
- c. <https://covid-19.cochrane.org/studies/crs-14180642> early during the SARS-CoV-2 pandemic, Australian emergency departments (EDs) experienced an unprecedented surge in patients seeking screening for COVID-19. Understanding what proportion of these patients require testing and who can be safely screened in community-based models of care is critical for workforce and infrastructure planning across the healthcare system
- d. <https://covid-19.cochrane.org/studies/crs-14182045>
The recent COVID-19 pandemic has affected many aspects of individuals' social life and its negative consequences on Canadian public health go far beyond the

direct overload of the hospital care system. Self-isolation and financial uncertainty can significantly deteriorate individuals' mental health, which is only going to aggravate with prolonged physical distancing strategies.

- e. Encouraging results from phase 1/2 COVID-19 vaccine trials
[https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(20\)31611-1/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(20)31611-1/fulltext)
- f. Physical distancing interventions and incidence of coronavirus disease 2019: natural experiment in 149 countries
<https://www.bmj.com/content/370/bmj.m2743>

4. List of Essential National and Institutional COVID Contacts

- **EPHI/FMOH:** Tel. 011276 5340; Email: ephieoc@gmail.com; phemdatacenter@gmail.com
- **EPHI COVID Notification and Information Centre:**
Toll Free numbers: 8335 or 982 or 444
- **CHS CED:** Dr Dawit Wondimagegn; Email: dawit.wondimagegn@gmail.com
- **TASH Clinical Services Director:**
Dr. Yirgu G/Hiwot; Email: yirgug@yahoo.com
- **TASH Emergency Directors/ Coordinators:**
Dr. Hywot Engida/ Sr.Aster mulugeta; Email: hywetengeda@gmail.com; Tel.0911656551/0911061837
- **TASH COVID Isolation Leader:**
Dr Wondwosen Amogne; Email: wonamogne@yahoo.com Tel 0911406179
- **Hospital COVID Isolation and Hospital Head Nurse**
Sr. Aselefech Negao: Tel 0911183277
- **Hospital IPC Leads:**
Tewodros Asmare/ Feyissa Regassa; Tel. 0913151452; 0941334837
- **TASH EOC:**
Dr Adamu Addissie/Abdulnasir Abagero; Tel. 0911404954; 0911806475
Email: tacheoc@gmail.com; tash.eoc@aau.edu.et

