



Liberia Coronavirus Disease Outbreak (COVID-19) Situation Report



Situation Report: No. 10

Date of onset of outbreak: 16 March 2020

Data Source: County Incident Management & National Reference Laboratory

I. Highlights

- Three suspected cases investigated, and specimens collected in Montserrado on 25 March 2020
 - One had travel history to Sweden and returned on 3rd February 2020
- No new confirmed case has been reported since 20 March 2020
 - The three (3) confirmed cases are in admission and clinically stable
- **Three hundred and ninety (390)¹** contacts including 40 health workers have been documented
 - A total of 13 contacts have tested negative for the virus
 - A total of 71 contacts have completed 14 days follow up
- Screening has been heightened at all prioritized 54 ground crossing, air and sea point of entry into the country
- A cumulative total of 20,186 travelers have screened across 64% (35/54) of the POEs of which 486 were from countries of high transmission and are being observed for 14 days
 - (234 completed 14 days, 165 in POCs and 87 were monitored at home prior to POCs)
- The National Public Health Institute is working with the Montserrado county Health Team to identify contacts of the confirmed cases
- A multi-sectorial national emergency operations centers (EOC), activated to coordinate national response activities

Table1: Global and AFRO COVID-19 Situational Update as of 24 March 2020²

Global					
No. of Confirmed Cases	% Confirmed outside China	Total Death	CFR (%)	New Countries (within Last 24hrs)	Total Countries Affected (N)
372,757	78	16,231	4.4	Myanmar, Belize, Dominica, Turks and Caicos Islands	193
African Countries					
Algeria, Benin, Burkina Faso, Cabo Verde, Cameroon, Chad, Central African Republic, Congo, Cote D'Ivoire, Democratic Republic of Congo (DRC), Djibouti, Egypt, Equatorial Guinea, Eswatini, Ethiopia, Gabon, Gambia, Ghana, Guinea, Kenya, Liberia, Mauritania, Mauritius, Morocco, Namibia, Niger, Nigeria, Rwanda, Senegal, Seychelles, Somalia, South Africa, Sudan, Tanzania, Togo, Tunisia, Zambia and Zimbabwe				No New Country reported case	43(54) *

***54 African Countries**

¹ Contacts Data are undergoing validation and classification

² <https://www.who.int/emergencies/diseases/novel-coronavirus-2019/situation-reports/>

II. Epidemiological Situation

Case one (Index case)

The case-patient is a 46-year-old Liberian male, a resident of Cabral Estate, Central Monrovia District, Montserrado County. On March 9, 2020, case travelled to Switzerland on official duty. He returned to Liberia on 13th March 2020 via SN Brussels airlines flight 241 at about 6p.m. Onset of symptoms (fever and unproductive cough) was 14th March and sought over-the-counter medication on 15th March from Lucky Pharmacy, 23rd Street, Sinkor, Monrovia. The case-patient self-reported to the National Public Health Institute of Liberia (NPHIL) on the 15th March at about 10:43a.m; sample was collected and sent to the National Public Health Reference Laboratory. The sample was tested positive by RT-PCR and the result was released at 3am on 16th March 2020. Within 12hours, the case-patient was detected, isolated, contacts identification, listing and monitoring commenced, and National Public Health Emergency declared and WHO notified

Case two

The second confirmed case, a 57-year-old male and resident of the Congo Town community. He was a high-risk contact and domestic staff (cook) to the index case. He was tested positive on March 17, 2020. A total of eight (8) contacts were generated and line listed.

Case three

The third confirmed case, a 63-year-old Liberian female and a resident of Sinkor, Monrovia. The Case-patient presented at the J.F.K Memorial Hospital on 19 March 2020 with fever, cough, weakness vomiting, diarrhea and loss of appetite that started 12 March 2020.

Preliminary investigation showed that she attended a beach party hosted by a friend on March 8, 2020 and had contact with a traveler from Italy. Medical history further revealed that she consulted Aspen Medical Clinic and Clinic Laboratory (13 & 17 March respectively) but no improvement. As condition persisted, she revisited Aspen Medical Clinic on 19 March 2020 but was referred to J.F.K Memorial Hospital for advance care. With high index of suspicion for COVID-19, sample was collected on 19 March and tested positive on 20 March 2020. This case has no established link with the first two confirmed cases. Further epidemiological investigation is on-going to establish source of infection.

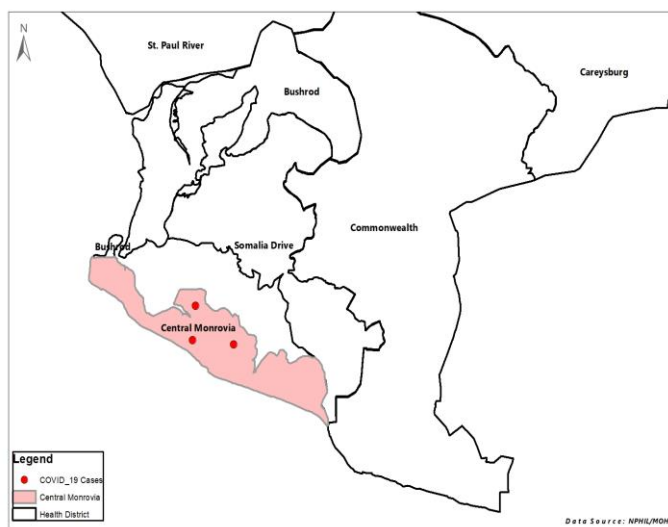


Figure 1: Geographical Distribution of Confirmed Cases by Health Districts, Montserrado County

Table 2: Geographical Distribution of Contacts by Health Districts, Montserrado County

Health Districts	Number of Contacts
Bushrod	2
Careysburg	1
Central Monrovia	61
Commonwealth	52
Somalia Drive	13
St. Paul	3

Table 1: COVID-19 Summary, 16-25, March 2020

Number of new confirmed case on the 25 March, 2020	0
Total Number of confirmed cases	3
Total Number of Counties with Confirmed case/s	1
Total number of Health Districts with Confirmed Case/s	1
Total in Admission/Isolation	3
Total suspected cases	3
Total Contacts line listed	390
Number of Health Workers as Contacts	40
Total symptomatic Contacts	1
Total Number of High-risk contacts	49
Total contacts who have completed 14 days follow up	71
Total Contacts under follow up	229
Total Samples collected on the 25 March 2020	3
Cumulative number of samples collected	103
Number of samples tested	69
Number of sample/s result pending	34
Number of deaths in confirmed	0

III. Public Health Actions initiated following confirmation

1. Coordination:

- Public Health Emergency Management System activated to level 1 at National and County level (Montserrado County) led by NPHIL.
 - Incident Management System meetings are held daily at 10.00 a.m.
- Ministerial press briefing held twice weekly
- The Special Presidential Advisory Committee on COVID-19 (SPACO) was officially launched, chaired by the President of the Republic of Liberia

2. Epidemiology and Surveillance:

- All commercial flights have been suspended as of 23 March 2020, (All Travel Advisory can be found via³)
- On 20 March 2020, additional case investigators deployed to support Montserrado county team to investigate and trace/monitor contacts
- Daily sitrep production and dissemination to all partners for public health actions
- Plans to scale up pneumonia-like surveillance in all counties

3. Case Management & IPC:

- Continuous management of the three (3) confirmed cases in admission
- >200 clinical staff trained in COVID-19 case management and Infection Prevention and Control

4. Risk communication and Community engagement:

- >900 health promoters including traditional leaders to be deployed on the 23-24 to over 100 communities in Montserrado hot spot communities
- Airing of jingles, Radio talk shows and community engagement intensified across the country
- Media monitoring and responding to media queries strengthened at national level

5. Laboratory

³ www.nationalphil.org

- Liberia has capacity to test for COVID-19 and other respiratory diseases

Table 3: Distribution of travelers in POCs, March 25, 2020

Precautionary Observation Center	Completed 14 days in POC	Under Observation	Total
POC 1	84	19	103
POC 2	60	6	66
POC 3	48	14	62
POC 4	14	16	30
POC 5	18	0	18
POC 6	10	0	10
POC 7	0	49	49
POC 8	0	28	28
POC 9	0	4	4
POC 11	0	29	29
Total	234	165	399

IV. Challenges and Next Steps

Challenges

- Limited capacity to follow up a fast-increasing contact identified because of limited resources to deploy surge capacity
- Limited holding facility for high risk contacts
- Limited resources to support preparedness efforts of counties in alert mode

Next Steps

- Share critical needs for the next 48-72 hours to partners to escalate response strategy
- Scale up contact tracing and active case finding
- Conduct County Rapid Response Team training
- Implement alert county hospital readiness checklist
- Update public health advisories (**See latest Advisory 21-03-20**)
- Mobilize additional resources to support on-going response activities

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