



# Liberia Coronavirus (COVID-19) Outbreak Situation



Situation Report: No. 105

Date of onset of outbreak: 16 March 2020

Reporting date: 28 June 2020

Data Source: County Incident Management & National Reference Laboratory

## I. Highlights

**CUMULATIVE CONFIRMED CASES: 770, DEATHS: 6 in TU**

- **Two (2) new confirmed cases** were reported in the last 24 hours from Montserrado and Nimba counties from 64 samples evaluated by National Reference Laboratory of Liberia (NRL)
- No new county reported a confirmed case in the last 24 hours
- Since March 16 – June 28, 2020, a total of 5,114 suspected cases including 139 deaths have been reported across 13 counties
  - Of these, seven hundred seventy (770) have been confirmed including 72 health workers
  - 99% of confirmed cases are locally transmitted and 1% remains imported
- Cumulatively 7,662 samples have been tested at the national reference laboratory
- One new death was reported in the last 24 hours from the treatment unit;
- The cumulative total of six (6) deaths (CFR-0.7%) in confirmed cases including three health workers have been reported in the country
- Eleven (11) new admissions in the last 24 hours, cumulating a total of 483 admissions recorded of which 173 case patients remain in treatment units as at 28 June 2020
- The State of emergency has been extended for additional 30 days to mitigate and contain the spread of the virus across the country
  - As all measures including 6 am -6pm stay home order is also imposed
  - Compulsory use of mask in public places including voluntary testing

### SITUATION UPDATE (last 24 hours)

#### SAMPLES TESTED

7,662 (64 new)

#### CONFIRMED CASES

770 (2 new)

#### AFFECTED COUNTIES

13 (0 new)

#### ADMITTED CASES

483 (11 new)

#### RECOVERED CASES

312 (13 new)

#### CONFIRMED DEATHS

6 (0 new) - 0.7% CFR

Note: Cumulative community deaths are 30 and their death audits is ongoing

#### CASES BY GENDER

Male: 507 (65.8%); Female: 263 (34.2%)

#### MOST AFFECTED AGE GROUPS

35-54 (37.4%)

#### CONTACTS LISTED

5,441 (37 new)

228 (4%) have tested positive; 4,097 (75.3%) have completed 14 days follow up; 5 lost to follow up; while 1,047 (19.2%) remains under active follow-up with 98.2% seen the last 24 hours

Table 1: Distribution of COVID-19 Response Status by County, Liberia, March 16 – June 28, 2020

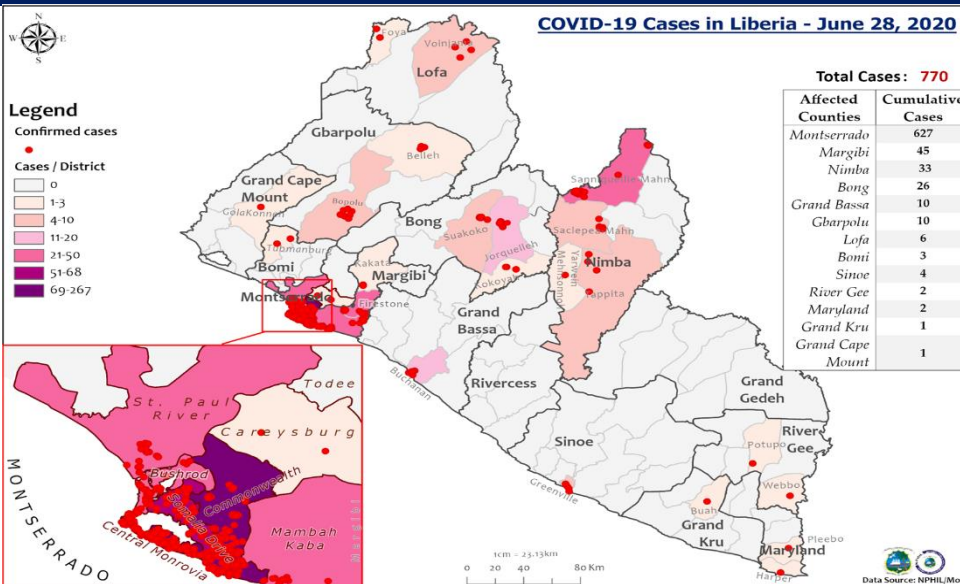
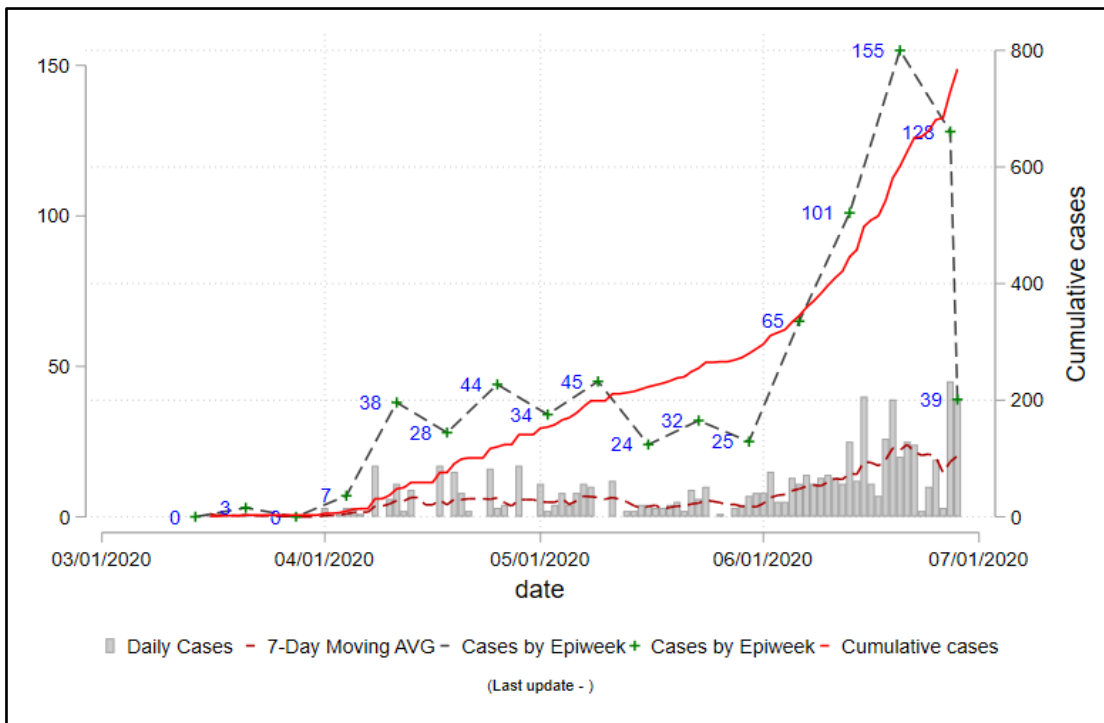


Figure 1: Geographical Distribution of COVID-19 Cases by County, Liberia, March 16 – June 28, 2020

Total Cases: 770

Affected Counties	Cumulative Cases
Montserrado	627
Margibi	45
Nimba	33
Bong	26
Grand Bassa	10
Gbarpolu	10
Lofa	6
Bomi	3
Sinoe	4
River Gee	2
Maryland	2
Grand Kru	1
Grand Cape Mount	1

County	Laboratory Confirmed Cases	Confirmed Cases on Contact List	Cumulative Confirmed cases
Bomi	0	0	3
Bong	0	0	26
Gbarpolu	0	0	10
Grand Cape Mount	0	0	1
Grand Bassa	0	0	10
Grand Kru	0	0	1
Lofa	0	0	6
Margibi	0	0	45
Maryland	0	0	2
Montserrado	1	0	627
Nimba	1	0	33
River Gee	0	0	2
Sinoe	0	0	4
<b>NATIONAL</b>	<b>2</b>	<b>0</b>	<b>770</b>



**Note:** There was a 17.4% downward trend observed during the week beginning 21<sup>st</sup> June 2020 as compared previous week with a cumulative total of 155 confirmed cases seven days. The current week started 27 June with 39 confirmed cases being reported on day one (27 Jun 2020).

Data is calculated based on WHO-CDC's epiweek which starts on Sunday.

Figure 2: Epi-curve for COVID 19 Cases in Liberia, 14 March – 28 June 2020

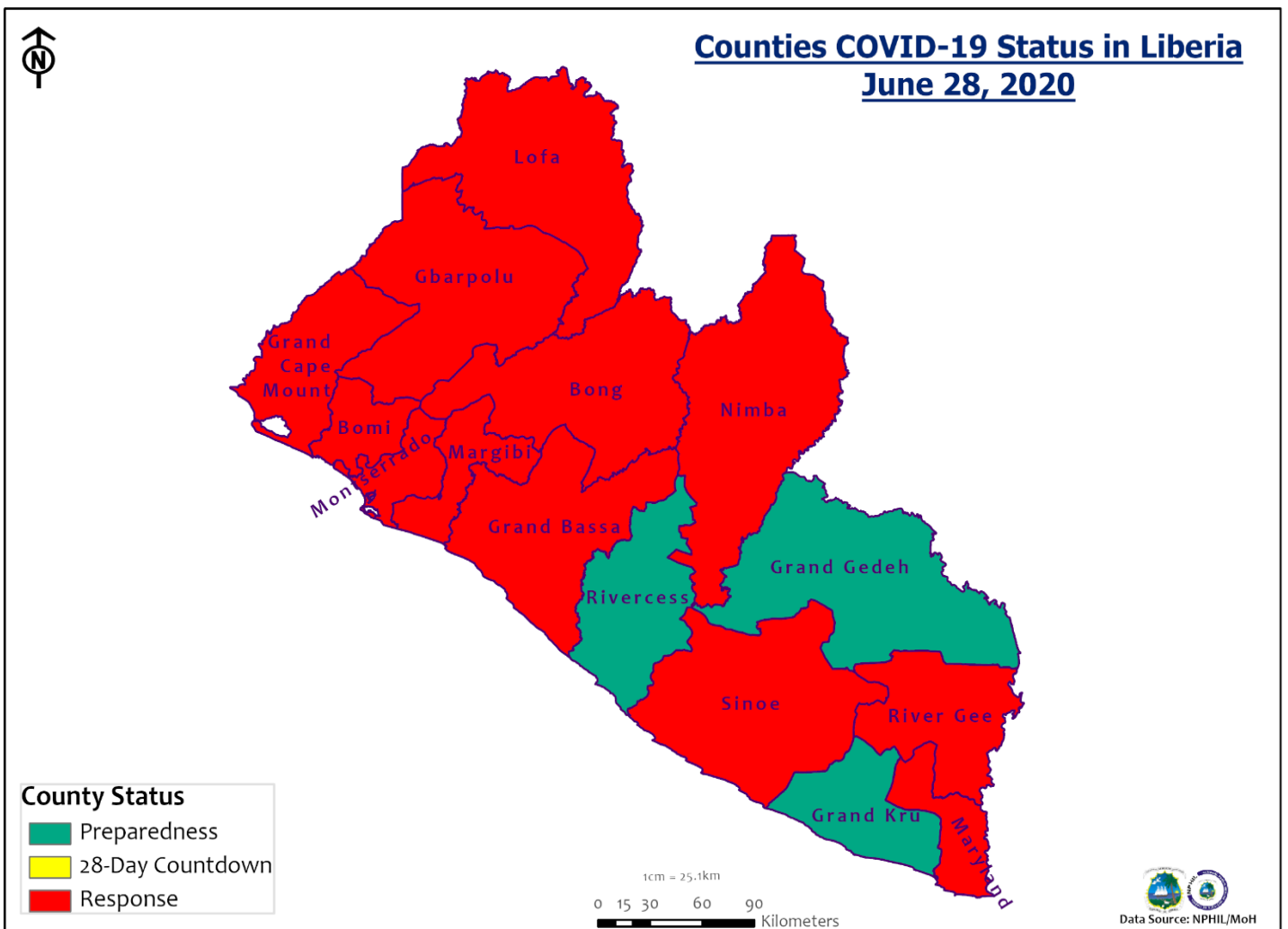


Figure 3: Geographical Distribution of COVID-19 Response Status by County, Liberia, 16 March – 28 June 2020

	Pre LKD	1st LKD	2nd LKD	3rd LKD	4th LKD	5th LKD	6 <sup>th</sup> LKD
Date	3/16 - 4/10	4/11 - 4/24	4/25 - 5/08	5/9 - 5/22	5/23 - 6/06	06/06 – 06/21	06/21-date*
Confirmed Cases	37	80	82	50	85	292	167

**61% Reduction after 2 Lockdown Period but rebound significantly with 243% upward trend as compared to 4th LKD**

**\* 6<sup>th</sup> LKD period is not complete until 22 July 2020**

Figure 4: Significant impacts observed during the lockdown periods in Liberia, 16 March – 28 June 2020

### Quarantine Measures

- All travellers from high exposure countries
- All high risks contacts
- Self isolation for low low risk contacts
- Test all high risk contacts at entry
- Test all quarantined persons on day 12

### Testing Strategy

- All suspected cases, high and low risk contacts
- Inpatients
- Voluntary testing
- High exposure staff
- Suspicious or unexplained deaths

*Note: The country is using RT-PCR to test for COVID-19, but*

### Response Strategy

- Identify and isolate all cases through house to house search
- Case investigation
- Contact tracing and follow up
- Dead Body Swabbing and Safe Dignified Burial
- Testing of high and low risk contacts
- Focused Hotspot Strategy for Enhanced COVID-19 Surveillance
- Effective Community entry and engagement for community buy-in

### Desired results/impacts of implemented strategies

- Improved case detection in hotspot communities
  - Over 42% upward trend observed in cases were detected after the initiation of the focused hotspot strategy for enhanced COVID-19 startegy in hospot communities in Montserrado county
- Interrupting community transmission (by isolating confirmed cases)

Figure 5: Significant Public Health Measures implemented in Liberia, June 6 - 28 June 2020

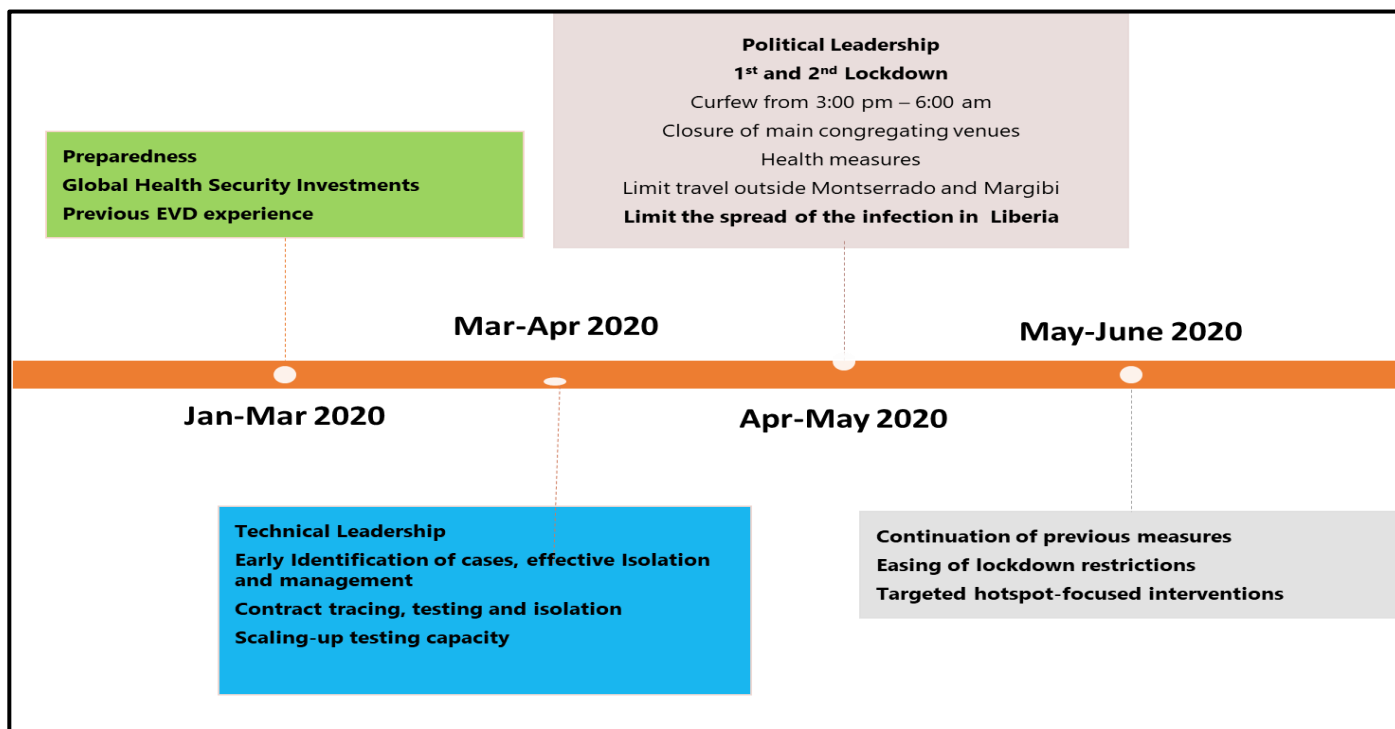


Figure 6: Major mitigation strategies to COVID-19 Response in Liberia, 16 March – 28 June 2020

Table 2: Number of Contacts line listed and monitored, Liberia, 16 March – 28 June 2020

County	New Contacts Line listed	Cumulative Contacts	No. of Health Care Workers as Contacts	Cumulative no. of Health Care Workers as contacts	Contacts became a case	Cumulative contacts that became a case	Contacts Completed 14 Days	Cumulative Contacts Completing 14 Days	Contacts Under Follow-up	Contacts lost to Follow-up
Montserrado	0	3367	0	326	0	151	10	2695	609	3
Margibi	0	304	0	91	0	22	0	178	104	0
Grand Bassa	3	133	0	64	0	9	8	110	13	0
Maryland	0	128	0	15	0	0	0	126	2	0
Sinoe	15	143	12	27	0	0	0	128	15	0
River Gee	0	128	0	15	0	0	0	104	24	0
Gbarpolu	0	87	0	13	0	6	0	47	34	0
Grand Kru	0	76	0	12	0	6	0	53	23	0
Lofa	0	336	0	53	0	3	0	261	75	0
Nimba	13	500	0	41	0	13	0	392	93	2
Bong	0	179	0	50	4	18	0	3	0	0
Grand Cape Mount	0	21	0	0	0	0	0	0	21	0
Bomi	0	39	0	5	0	0	0	0	34	0
<b>National</b>	<b>31</b>	<b>5441</b>	<b>12</b>	<b>712</b>	<b>4</b>	<b>228</b>	<b>18</b>	<b>4097</b>	<b>1047</b>	<b>5</b>

Table 3: Number of cases currently in Treatment Units, Liberia, 16 March – 28 June 2020

COVID-19 Treatment Units							
Treatment Unit	New admissions	Cumulative admissions	Recoveries	Cumulative Recoveries	Currently in Treatment Unit	Total Males	Total Females
14 Military Hospital & Union TU Montserrado	9	404	13	281	128	420	207
Bong County Treatment Unit	0	14	0	0	14	16	10
Chief Jallahone Hospital, Gbarpolu	0	1	0	0	2	5	5
Tellewoyan Hospital, Lofa	0	5	0	2	3	4	0
Rally Time Hospital, Grand Kru	0	1	0	2	0	1	0
Jackson F. Doe Hospital, Nimba	0	2	0	1	0	11	4
Ganta Methodist Hospital, Nimba	0	1	0	1	0	13	5
Pleebo Health Center, Maryland	0	1	0	1	0	1	1
Fish Town Hospital, River Gee	1	2	0	1	0	1	1
Arcelor Mittal, Grand Bassa	0	5	0	5	1	2	4
Liberia Government Hospital, Grand Bassa	0	3	1	2	2	0	3
Duside Hospital, Margibi	0	27	0	16	11	25	20
F. J. Grant Hospital, Sinoe	1	3	0	1	2	4	0
Bomi	0	2	0	0	2	0	3
St. Timothy Hospital, Grand Cape Mount	0	2	0	0	0	1	0
<b>Total</b>	<b>11</b>	<b>483</b>	<b>14</b>	<b>312</b>	<b>173</b>	<b>507</b>	<b>263</b>

## II. Situation Context

Liberia reported its first confirmed case of the COVID-19 on 16 March 2020 in Monrovia, the country's capital. As of 28 June 2020, the country had recorded seven hundred seventy (770) confirmed cases of COVID-19, including six (6) death (CFR=0.7%) 5,441 contacts registered. Montserrado County remains the Epicenter 627 (81.4%) of the confirmed cases including 6 (100%) deaths while the rest of the confirmed cases reported from; Margibi (45); Nimba County (33), Bong (24); Gbarpolu (10); Grand Bassa (10), Lofa (6); Sinoe (4); Bomi (3); River Gee (2); Maryland (2). Grand Cape Mount (1); and Grand Kru (1). As Liberia continues to test all dead bodies regardless of the place of death, of the 34 dead bodies that tested positive for COVID-19, 14 (44.%) of were community deaths, at the same time, 16 occurred in other health facilities. Due to prompt treatment at the treatment centers, Liberia recovery rate continues to improve at 312 (64.5%) as of 28 June 2020.

Liberia has embarked on more community testing to identify cases as majority of COVID-19 cases in Liberia remains asymptomatic, this has aided in confirming more cases in hotspot communities and is leading to the interruption of community transmission.

Grand Kru, Grand Gedeh and Rivercess counties are the only counties in preparedness phase of the outbreak, without active outbreak is ongoing.

The National Incident Management System (IMS) is coordinating the affected counties led COVID-19 response with support from partners and central government.

The risk of transmission remains very high largely due to high population movements in Montserrado as the county is home to approximately 1,500,000 (1/3) of the country's total population, while local transmission mainly from contacts of confirmed cases has accounted for about 94.8% of the cases.

## III. Public Health Actions initiated following confirmation

### 1. Coordination

- In an effort to reduce or mitigate institutional transmission, the Incident management system (IMS) has instructed all agencies of government including national and international partners that attend the IMS meetings to do voluntary tests for COVID-19
- The National IMS through the President Office has mandated all citizens to wear masks when leaving their homes to reduce or mitigate the spread of the COVID-19 outbreak
- The IMS led by the Minister of Health continues to visit hotspot communities in Monrovia to encourage voluntary testing and adherence to all health regulations
  - Facemask, Handwashing, Social Distancing of at least 3-6 feet, limit gatherings to no more than 20
  - Limit travel in and out of all responding counties with exception for good and essential services
    - Montserrado, Margibi, Grand Bassa, Bong, Nimba, Lofa, Gbarpolu, Nimba Counties
  - Churches, Mosques and other religious establishment limit attendance to 25% of the normal attendance and observe safe distancing and other health measures
  - The State of Emergency has been extended by the proclamation of H.E. President George Weah for additional 30 days, starting with immediate effect as of June 22, 2020; with schools and Airport being close until 28 June 2020.

### 2. Epidemiology and Surveillance

- Conduct a house to house search and community outreach for symptomatic suspected cases and volunteers.
- Surveillance activities including active case search, contact tracing, and case investigation using the WHO interim guidelines
- Active case activities have intensified at the county, district, health facility, and community levels
- A total of 67,526 households have been visited, of which 325 sick people were identified and referred for testing after meeting the COVID-19 case definition
- Reclassification of cases are ongoing at national and sub-national levels
- Partners to continue to provide technical, operational and financial support to national and subnational levels

### 3. Case Management

- A total of 173 case-patients are being managed at four treatment centers with 74% are being managed in Montserrado county
- Monitoring and testing high-risk contacts at POCs and isolation centers in affected counties

### 4. Laboratory

- The laboratory has tested seven thousand six hundred sixty-two (**7,662**) samples with 770 testing positive for COVID-19
- Specimens collection materials including swabs/VTM are pre-positioned in counties
- Encourage the public to go for voluntary testing or to report for testing if they develop symptoms
- Using mobile sample collection teams, conduct sample collection of all persons living within the marked dwellings
- Planned to operationalize two regional laboratories for COVID-19 testing

## 5. Infection Prevention and Control (IPC)

- Reinforcing handwashing in all public areas in the county (markets, health facilities, public offices, checkpoints, etc.)
- Health workers risk assessment are ongoing in affected counties

## 6. Psychosocial

- Continuous provision of cognitive-behavioral therapy, interpersonal therapy, motivational therapy
- Psychoeducation, linking patients with their families and home-based support to cases, contacts, and relatives at POCs, Isolation centers, and treatment centers
- Distribution of food and nonfood items to affected families and communities with high incidence is ongoing to encourage sample collection and testing

## 7. Risk Communication and community engagement

- Encourage continues community engagement and participation.
- Encourage community mobilization by Superintendents and other community leaders to increase voluntary testing.
- Public transport should enforce preventive measures including safe distancing and the use of facial covering.
- Elevate public messages that COVID-19 is still present in Liberia
- Airing of GoL-validated radio jingles on 18 stations across the country

## IV. Challenges

- Inadequate financial and logistical resources for response activities
- Enforcement of the public use of masks and the call for testing of high and low risk contacts including health care workers
- Unable to assess the impact of the messages disseminated by the response partners and GOL

## V. Next Steps/Recommendations

- Continued active participation in Community Engagement, Risk Communication, and Protection Pillars, additional engagement in EPI/Surveillance Pillar
- Continue epidemiological investigations to link all the reported confirmed cases
- Mobilize additional resources to support ongoing response activities

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**For comments or questions, please contact**

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