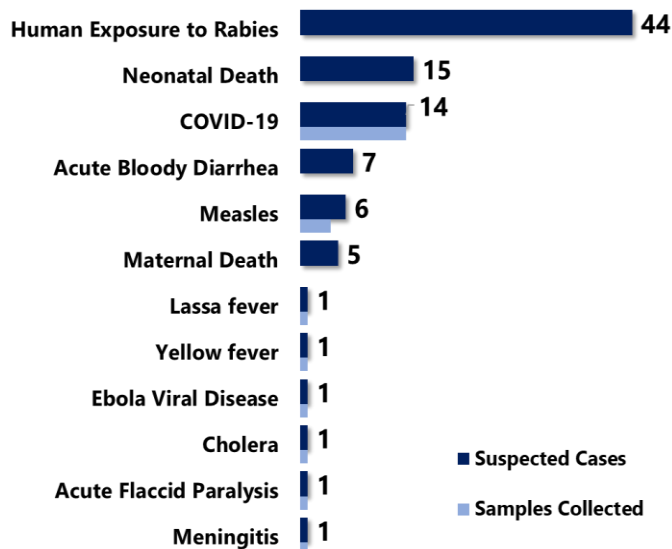


Highlights

Figure 1: Public Health Events Reported during this week



Keynotes and Events of Public Health Significance

- ♦ A total of **97** events of public health importance including **20** deaths were reported
- ♦ Completeness and timeliness of health facility reports were both **99%**
- ♦ **Ongoing Lassa fever** outbreak in Grand Bassa County
- ♦ **Ongoing Measles** outbreak in Lofa County
- ♦ **Ongoing EVD preparedness engagement** initiated at all level
- ♦ **Fourteen** new confirmed COVID-19 cases recorded from five Counties

Reporting Coverage

Table 1: Health Facility Weekly DSR Reporting Coverage, Liberia, Epi week 11, 2021

County	Expected Report from Health Facility	Reports Received	Received on Time	Completeness (%)	Timeliness (%)
Bomi	26	26	26	100	100
Bong	57	57	57	100	100
Gbarpolu	16	15	15	94	94
Grand Bassa	36	36	36	100	100
Grand Cape Mount	34	34	34	100	100
Grand Gedeh	24	24	24	100	100
Grand Kru	19	19	19	100	100
Lofa	61	61	61	100	100
Margibi	55	55	55	100	100
Maryland	27	27	27	100	100
Montserrado	365	365	365	100	100
Nimba	91	88	88	97	97
Rivercess	20	20	20	100	100
River Gee	20	20	20	100	100
Sinoe	37	37	37	100	100
Liberia	888	884	884	99	99

844(99%)
Health
facilities
reported
IDSR data

93 (100%)
Health
districts
reported
IDSR data

884(99%)
Health
facilities
reported
timely IDSR
data

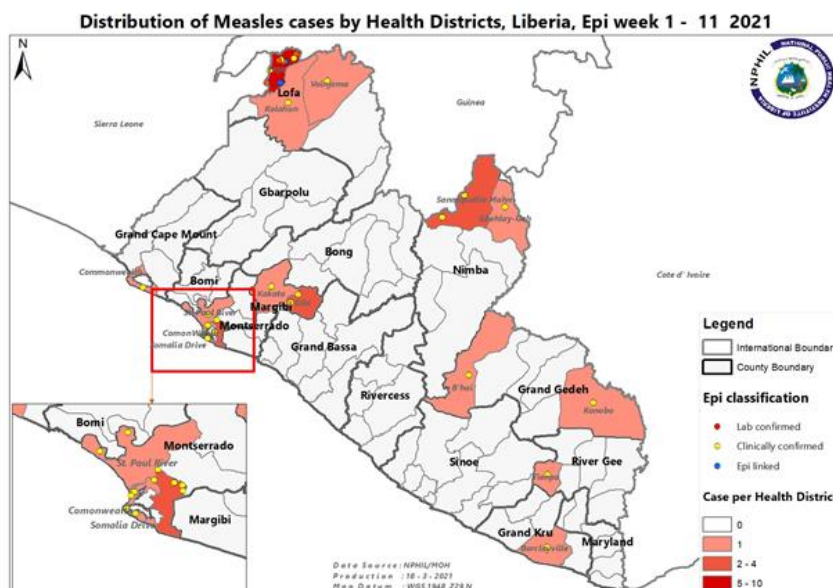
- ♦ The national target for weekly IDSR reporting is 80%. Health facility timeliness is monitored at health district level
- ♦ All Counties submitted weekly IDSR report on time to the national level

Legend: ≥80 <80

Vaccine Preventable Diseases

Measles

- ☞ Six (6) suspected cases were reported from Lofa (3), Montserrado (1), Grand Gedeh (1) and Gbarpolu (1) Counties
 - Four (4) specimens were collected
- ☞ Vaccination status among suspected cases
 - Vaccinated: 4 (67%)
 - Not vaccinated: 2 (33%)
- ☞ Age distribution among suspected cases
 - <5 years: 4 (67%)
 - ≥5 years: 2 (33%)
- ☞ Cumulatively, since Epi week one, seventy-seven (77) suspected cases have been reported
- ☞ Epi-classification is as follows: 61 confirmed (7 lab-confirmed, 42 clinically confirmed, 12 epi-linked) and 16 negatives



Outbreak

Foya District, Lofa County

- ☞ No new case reported this week
- ☞ A total of 17 cases including 4 laboratory confirmed cases have been recorded
- ☞ All cases were treated and discharged
- ☞ 2020 routine vaccination coverage for Foya District is 82%, and Porluma Clinic is 75%
- ☞ The confirmed cases were vaccinated

Public Health Actions

- ☞ Outreach was conducted in affected and surrounding communities
 - 12 children were vaccinated (<5 years: 8, and > 5 years: 5)
- ☞ Active case search and community engagement ongoing

Acute Flaccid Paralysis

- ☞ One (1) case was reported from Lofa County
- ☞ Specimen was collected, shipped and pending testing
- ☞ Cumulatively, since Epi week one, fifteen (15) cases have been reported

Neonatal Tetanus

- ☞ Zero case was reported
- ☞ Cumulatively, since Epi week one, four (4) cases have been reported

Influenza-Like Illnesses

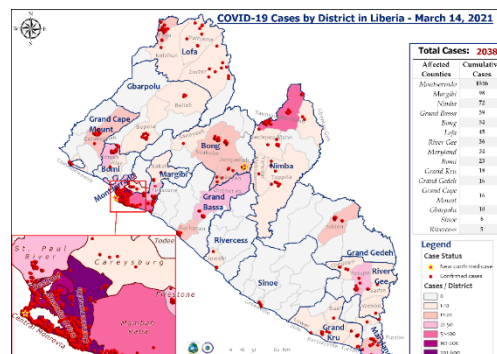
Coronavirus Disease (COVID-19)

Outbreak

- ☞ Fourteen (14) new confirmed cases were reported from Montserrado (7), Bong (4), Margibi (1), Maryland (1), and Nimba (1) Counties with male accounting for 85.7%
- ☞ Since Epi week one, a total of two hundred twenty (220) confirmed cases have been reported
- ☞ Cumulatively, two thousand thirty-eight (2,038) confirmed cases recorded including 85 deaths

Public Health Actions

- 👉 Daily IMS coordination meeting on-going
- 👉 Surveillance activities including active case search, contact tracing and case investigation on-going in affected counties using WHO interim guidelines
- 👉 Reinforcing hand washing in all public areas (markets, health facilities, public offices, checkpoints etc.)
- 👉 Case management ongoing for confirmed cases
- 👉 Compulsory testing among outgoing and incoming travelers ongoing



Viral Hemorrhagic Diseases

Lassa fever

- 👉 One (1) suspected case was reported from Nimba County
- 👉 Specimen was collected and pending testing:
 - 2 positive and 15 negative
- 👉 Cumulatively, since Epi week one, twenty-one (21) suspected cases have been reported including four (4) deaths

Outbreak

District 3A&B, Grand Bassa County

- 👉 No new confirmed case reported this week
- 👉 A 38-year-old female and a resident of MIE Field, Compound # 3, presented with symptoms of red eyes, weakness, poor appetite, sore throat, vomiting, coughing on 1st March 2021 and was unresponsive to treatment. Based on the suspicion for Lassa, the case patient was admitted and isolated at LAC hospital on 4th March. Specimen was collected on 6th March 2021 and tested positive on 8th March 2021. The case patient expired on 7th March while awaiting the lab results
- 👉 Ten (10) contacts were line listed including 4 community members (high risk) and 6 healthcare workers (low risk)
- 👉 Contacts are being monitored and follow-up

Public Health Actions

- 👉 IPC assessment conducted to reinforce IPC practices
- 👉 Active case search and community engagement ongoing

Yellow fever

- 👉 One suspected case was reported from Gbarpolu County
- 👉 Specimen was collected and pending testing
- 👉 Cumulatively since Epi week one, eighteen (18) suspected cases have been reported with 13 negative and 3 pending testing
 - Proportion of suspected case with sample collected 88.8% (16/18)
 - Proportion of suspected case with sample tested 72.2% (13/18)

Ebola Virus Disease

- 👉 One (1) alert was reported from Lofa County
- 👉 Specimen was collected and tested negative
- 👉 Cumulatively since Epi week one, nine (9) alerts have been reported and all tested negative
 - Proportion of suspected case with sample collected 100% (9/9)
 - Proportion of suspected case with sample tested 100% (9/9)

Diarrheal Diseases

Acute Bloody Diarrhea (Suspected Shigellosis)

- 👉 Seven (7) cases were reported from Margibi (3), Lofa (1), Montserrado (1), Sinoe (1) and Bong (1) Counties
 - Zero specimens were collected
- 👉 Cumulatively, since Epi week one, eighty-four (84) suspected shigellosis cases have been reported with 39 specimens collected, 12 tested negative and twenty-seven (27) pending laboratory testing

Severe Acute Watery Diarrhea (Suspected Cholera)

- One (1) suspected case was reported from Gbarpolu County
- Specimen was collected and pending testing
- Cumulatively, since Epi week one, twenty-one (21) suspected cholera cases have been reported

Other Reportable Diseases

Animal Bites (Human Exposure to Rabies)

- Forty-four (44) animal bite cases were reported from: Montserrado (10), Nimba (6), Margibi (5), Grand Bassa (4), Rivercess (3), Lofa (3), Gbarpolu (3), Sinoe (3), Maryland (2), River Gee (2), Grand Cape Mount (1), Grand Kru (1) and Grand Gedeh (1) Counties
 - No prophylaxes were administered at health facility
- Cumulatively, since Epi week one, three hundred seventy-three (373) animal bite cases have been reported

Meningitis

- One (1) suspected case was reported from Nimba County
- Specimen was collected and tested negative
- Cumulatively, since Epi week one, ten (10) suspected cases have been reported

Events of Public Health Importance

Maternal Mortality

- Five (5) deaths were reported from Montserrado (3), Margibi (1) and Bong (1) Counties
- Causes of deaths: postpartum hemorrhage (2), obstructed labour (1), postpartum psychosis (1) and respiratory failure (1)
- Reporting sites: Health facility 3 (60%), Community 2 (40%)
- Cumulatively, since Epi week one, forty-five (45) deaths have been reported

Neonatal Mortality

- Fifteen (15) deaths were reported from Montserrado (4), Grand Kru (3), Gbarpolu (2), Lofa (1), Grand Bassa (1), Rivercess (1), Sinoe (1), Nimba (1) and Margibi (1) Counties
- Causes of deaths: neonatal birth asphyxia (8), sepsis (5) and preterm (2)
- Cumulatively, since Epi week one, one hundred-fifty-six (156) deaths have been reported

Unexplained Death

- Zero (0) deaths were reported
- Cumulatively, since Epi week one, one (1) death has been reported

Cross Border Surveillance Update

- A total of 4,792 travelers recorded for the week with incoming travelers accounting for 49% and outgoing travelers 51%
- None of the travelers were reactive for COVID-19
- The airport accounted for the highest number of travelers for the week

Table 2: Cross border activity at the PoE for Incoming and Outgoing Travelers, Liberia, Epi week 11, 2021

Type of PoE	Point of Entry	Weekly Total	Arrival	Departure	Yellow Book Issued	Yellow Book Damaged	Card Replaced	Travelers Vaccinated	Alerts Verified	COVID-19 Reactive
Airport	James S. Paynes	104	49	55	0	0	0	0	0	0
	Robert International Airport	2759	1297	1462	49	0	49	0	0	0
Seaport	Freeport of Monrovia	244	122	122	0	0	0	0	0	0
	Buchanan Port	220	110	110	0	0	0	0	0	0
Land Crossing	Bo Water Side	1201	646	555	0	0	0	0	0	0
	Ganta	220	774	143	10	0	0	0	0	0
	Yekepa	27	20	7	0	0	0	0	0	0
Total travelers		4,775	2,321	2,454	59	0	49	0	0	0



Liberia IDSR Epidemiology Bulletin

2021 Epi-week 10 (March 8 – 14, 2021)



Public Health Measures

National level

- ☞ Providing technical, logistical and financial support to counties
- ☞ Heighten surveillance in affected and surrounding communities
- ☞ Publishing situational reports to inform stakeholders

County level

- ☞ Publication of situational reports to inform stakeholders
- ☞ Active case search ongoing in affected and surrounding communities
- ☞ Contact tracing, health education, and community engagement ongoing in affected communities
- ☞ Case management ongoing for isolated cases

Appendix

Summary of Immediately Reportable Diseases, Conditions, and Events by County

Counties			Bomi	Bong	Gbarpolu	Grand Bassa	Grand Cape Mount	Grand Gedeh	Grand Kru	Lofa	Margibi	Maryland	Montserrado	Nimba	Rivercess	River Gee	Sinoe	Total Weekly	Cumulative Reported	Cumulative Lab-confirmed
No. of Expected Health District			4	9	5	8	5	6	5	6	4	6	7	6	6	6	10	93		
No. of Health District Reported			4	8	5	8	5	6	5	5	4	6	7	6	6	6	10	91		
Vaccine Preventable Diseases	Acute Flaccid Paralysis (Suspected Polio)	A	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	15	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Measles	A	0	0	1	0	0	1	0	3	0	1	0	0	0	0	0	6	77	7
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Neonatal Tetanus	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Yellow fever	A	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	18	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Viral Hemorrhagic Fever	Dengue fever	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Ebola Virus Disease	A	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	9	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Lassa fever	A	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	21	1
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Influenza-Like Illnesses	COVID-19	A	0	4	0	0	0	0	0	0	1	1	7	1	0	0	0	14	220	2038
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diarrheal Diseases	Acute Bloody Diarrhoea (Shigellosis)	A	1	0	0	0	0	0	0	1	3	0	1	0	0	0	1	7	84	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Severe Acute Watery Diarrhoea (Cholera)	A	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	21	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Events of Public Health Importance	Maternal Mortality	D	0	1	0	0	0	0	0	0	1	0	3	0	0	0	0	5	45	
	Neonatal Mortality	D	0	0	2	1	0	0	3	1	1	0	4	1	1	0	1	15	156	
	Adverse Events Following Immunization (AEFI)	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unexplained Cluster of Health Events/Disease	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other Reportable Diseases	Monkeypox	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Tuberculosis	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Human Exposure to Animal bites (Suspected Rabies)	A	0	0	3	4	1	1	1	3	5	2	10	6	3	2	3	44	373	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Meningitis	A	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	8	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unexplained Cluster of deaths	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Neglected Tropical Diseases	Buruli Ulcer	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Yaws	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL			1	5	8	5	1	2	4	10	11	4	25	10	4	2	5	97	1053	0

D = Dead A = Alive

Notes

- 👉 **Completeness** refers to the proportion of expected weekly IDSR reports received (target: ≥80%)
- 👉 **Timeliness** refers to the proportion of expected weekly IDSR reports received by the next level on time (target: ≥80%). Time requirement for weekly IDSR reports:
 - Health facility - required on or before 5:00pm every Saturday to the district level
 - Health district - required on or before 5:00pm every Sunday to the county level
 - County - required on or before 5:00pm every Monday to the national level
- 👉 **Non-polio AFP rate** is the proportion of non-polio AFP cases per 100,000 among the estimated population under 15 years of age in 2017 (annual target: ≥2/100,000)
- 👉 **Non-measles febrile rash illness rate** refers to the proportion of Negative measles cases per 100,000 population
- 👉 **Annualized maternal mortality rate** refers to the maternal mortality rate of a given period less than one year and it is the number of maternal deaths per 100,000 live births
- 👉 **Annualized neonatal mortality rate** refers to the neonatal mortality ratio of a given period less than one year and it is the number of neonatal deaths per 1,000 live births
- 👉 **Epi-linked** refers to any suspected case that has not had a specimen taken for serologic confirmation but is linked to a laboratory confirmed case
- 👉 **Confirmed case** refers to a case whose specimen has tested positive or reactive upon laboratory testing, or has been classified as confirmed by either epidemiologic linkage with a confirmed case, or clinical compatibility with the disease or condition

Epidemiological bulletin published with support of WHO and CDC

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Data sources

Data and information is provided by the fifteen County Surveillance Officers and National Public Health Reference Laboratory via regular weekly reports, telephone calls and email exchanges. Situations are evolving and dynamic therefore numbers stated are subject to change.