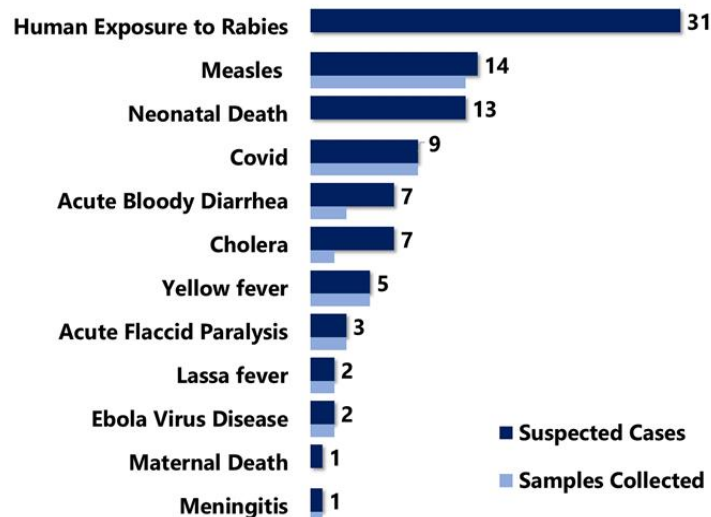


Highlights

Figure 1: Public Health Events Reported during this week



Keynotes and Events of Public Health Significance

- ♦ A total of **95** events of public health importance including **14** deaths were reported
- ♦ Completeness and timeliness of health facility reports were both **99%**
- ♦ **Ongoing Lassa fever** outbreak in Grand Bassa County
- ♦ **Ongoing EVD preparedness engagement** initiated at all level
- ♦ **Nine** new confirmed COVID-19 cases recorded from three counties

Reporting Coverage

Table 1: Health Facility Weekly DSR Reporting Coverage, Liberia, Epi week 12, 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	21	21	78	78
Montserrado	365	365	365	100	100
Nimba	91	91	91	100	100
Rivercess	20	20	20	100	100
River Gee	20	20	20	100	100
Sinoe	37	37	37	100	100
Liberia	888	881	881	99	99

881(99%)
Health
facilities
reported
IDSR data

93 (100%)
Health
districts
reported
IDSR data

881(99%)
Health
facilities
reported
timely IDSR
data

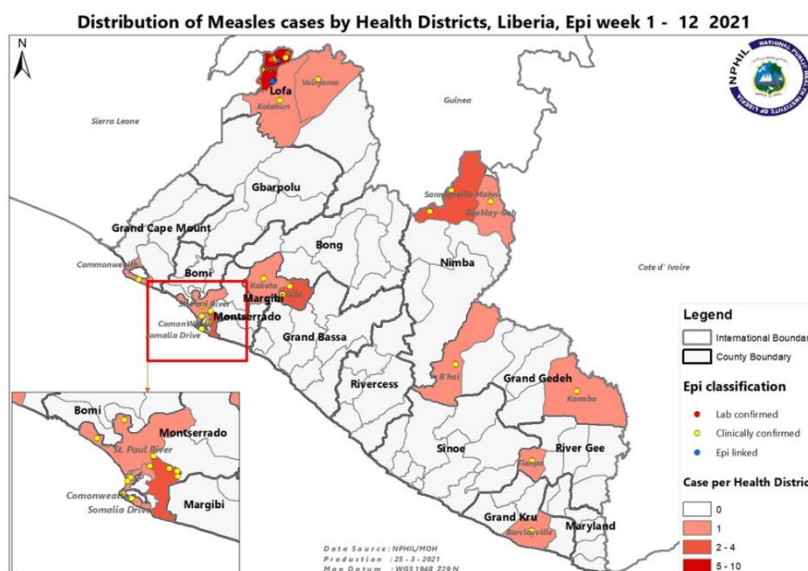
- ♦ The national target for weekly IDSR reporting is 80%. Health facility timeliness is monitored at health district level
- ♦ This week Maryland did not meet the reporting target 80%
- ♦ All Counties submitted weekly IDSR report on time to the national level

Legend: ≥80 <80

Vaccine Preventable Diseases

Measles

- ✍ Fourteen (14) suspected cases were reported from Grand Gedeh (5), Montserrado (3), Gbarpolu (2), one each from Grand Kru, Sinoe, Bong, and Lofa Counties
 - Thirteen (13) specimens were collected; one tested negative
- ✍ Vaccination status among suspected cases
 - Unknown: 6 (43%)
 - Vaccinated: 5 (36%)
 - Not vaccinated: 3 (21%)
- ✍ Age distribution among suspected cases
 - <5 years: 9 (64%)
 - ≥5 years: 5 (36%)
- ✍ Cumulatively, since Epi week one, ninety-one (91) suspected cases have been reported
- ✍ Epi-classification is as follows: 91 confirmed (7 lab-confirmed, 48 clinically confirmed, 12 epi-linked) and 24 negatives



Acute Flaccid Paralysis

- ✍ Three (3) cases were reported from Montserrado County
- ✍ Specimens were collected, shipped and pending testing
- ✍ Cumulatively, since Epi week one, eighteen (18) cases have been reported

Neonatal Tetanus

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

Influenza-Like Illnesses

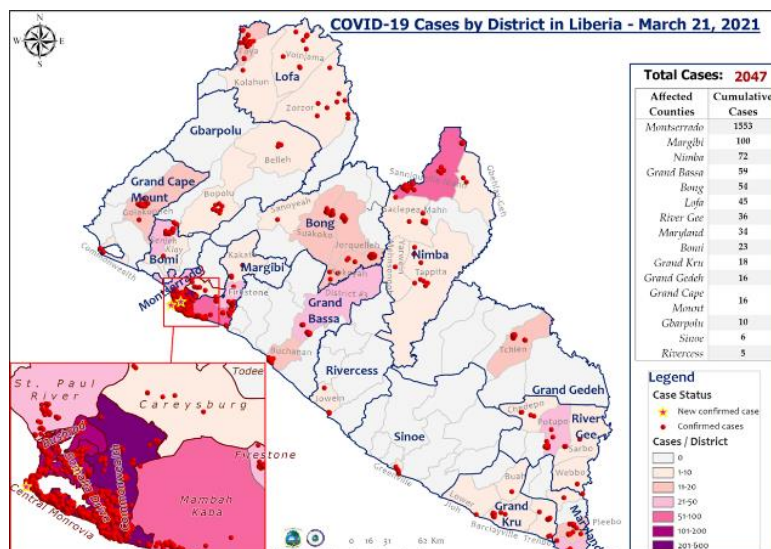
Coronavirus Disease (COVID-19)

Outbreak

- ✍ Nine (9) new confirmed cases were reported from Montserrado (7), Margibi (1), and Maryland (1) Counties with male accounting for 88.8%
- ✍ Since Epi week one, a total of two hundred twenty-nine (229) confirmed cases have been reported
- ✍ Cumulatively, two thousand forty-seven (2,047) 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

- 👉 Two (2) suspected cases were reported from Bong County
- 👉 Specimens were collected; one tested negative and one pending
 - 2 positive, 17 negative and 6 pending
 - Proportion of suspected cases with sample collected 100% (25/25)
 - Proportion of suspected cases with sample tested 76% (19/25)
- 👉 Cumulatively, since Epi week one, twenty-five (25) 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

- 👉 Five suspected cases were reported from RiverGee (2), Grand Kru (1), Grand Gedeh (1), and Nimba (1) Counties
- 👉 Specimens were collected; two tested negative and three pending
- 👉 Cumulatively since Epi week one, twenty-three (23) suspected cases have been reported with 17 negative and 4 pending testing
 - Proportion of suspected case with sample collected 91.3% (21/23)
 - Proportion of suspected case with sample tested 73.9% (17/23)

Ebola Virus Disease

- 👉 Two (2) alerts were reported from Grand Gedeh and Lofa Counties
- 👉 Specimens were collected and tested negative
- 👉 Cumulatively since Epi week one, eleven (11) alerts have been reported and all tested negative
 - Proportion of suspected case with sample collected 100% (11/11)
 - Proportion of suspected case with sample tested 100% (11/11)

Diarrheal Diseases

Acute Bloody Diarrhea (Suspected Shigellosis)

- 👉 Seven (7) cases were reported from Grand Kru (1), Sinoe (1), Gbarpolu (1), Grand Cape Mount (1), Margibi (1), Montserrado (1), and RiverGee (1) Counties
 - Three specimens were collected and pending testing:
- 👉 Cumulatively, since Epi week one, ninety-one (91) suspected shigellosis cases have been reported with 42 specimens collected, 12 tested negative and thirty (30) pending laboratory testing

Severe Acute Watery Diarrhea (Suspected Cholera)

- 👉 Seven (7) suspected case was reported from Grand Kru (3), Lofa (2), and Grand Gedeh (2) Counties
- 👉 Two specimens were collected and pending testing
- 👉 Cumulatively, since Epi week one, twenty-eight (28) suspected cholera cases have been reported

Other Reportable Diseases

Animal Bites (Human Exposure to Rabies)

- ✎ Thirty-one (31) animal bite cases were reported from: Montserrado (7), Nimba (6), Grand Gedeh (3), Grand Kru (3), Bong (3), Gbarpolu (2), One each from Maryland, Margibi, Lofa, Rivercess and RiverGee Counties
 - No prophylaxes were administered at health facility
- ✎ Cumulatively, since Epi week one, four hundred-five (405) animal bite cases have been reported

Meningitis

- ✎ One suspected case was reported from Grand Kru County
- ✎ Specimen was collected and pending testing
- ✎ Cumulatively, since Epi week one, eleven (11) suspected cases have been reported

Events of Public Health Importance

Maternal Mortality

- ✎ One death was reported from Bong County
- ✎ Causes of death: Eclampsia
- ✎ Reporting sites: Community 1 (100%)
- ✎ Cumulatively, since Epi week one, forty-six (46) deaths have been reported

Neonatal Mortality

- ✎ Thirteen (13) deaths were reported from Montserrado (5), Margibi (3), Lofa (2), Grand Kru (1), Maryland and Nimba (1) Counties
- ✎ Causes of deaths: neonatal birth asphyxia (7), sepsis (4), respiratory failure (1) and pending investigation (1)
- ✎ Reporting sites: Health facility 13 (100%)
- ✎ Cumulatively, since Epi week one, one hundred-seventy (170) 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 3,743 travelers recorded for the week with incoming travelers accounting for 56% and outgoing travelers 44%
- ✎ 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 12, 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	80	49	31	0	0	0	0	0	0
	Robert International Airport	2269	1197	1072	54	54	0	0	0	0
Seaport	Freeport of Monrovia	200	100	100	0	0	0	0	0	0
	Harper	0	0	0	0	0	0	0	0	0
	Buchanan Port	166	83	83	0	0	0	0	0	0
Land Crossing	Bo Water Side	638	395	243	5	5	0	0	0	0
	Ganta	211	113	98	6	6	0	0	0	0
	Yekepa	167	143	24	0	0	0	0	0	0
	Longuatu	12	12	0	0	0	0	0	0	0
Total travelers		3,743	2,092	1,651	65	65	0	0	0	0



Liberia IDSR Epidemiology Bulletin

2021 Epi-week 12 (March 15 – 21, 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	4	7	6	6	6	10	91		
No. of Health District Reported			4	9	5	8	5	6	5	6	4	4	6	6	6	6	10	90		
Vaccine Preventable Diseases	Acute Flaccid Paralysis (Suspected Polio)	A	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3	18	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Measles	A	0	1	2	0	0	5	1	1	0	0	3	0	0	0	1	14	91	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	4	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	0	0	0	1	1	0	0	0	0	1	0	2	0	5	23	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	1	0	1	0	0	0	0	0	0	0	2	11	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Lassa fever	A	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	25	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2
Influenza-Like Illnesses	COVID-19	A	0	0	0	0	0	0	0	0	1	1	7	0	0	0	0	9	229	2047
		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	0	0	1	0	1	0	1	0	1	1	0	0	0	1	1	7	91	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	0	0	0	2	3	2	0	0	0	0	0	0	0	7	28	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	0	0	0	0	0	0	0	1	46	
	Neonatal Mortality	D	0	0	0	0	0	0	1	2	3	1	5	1	0	0	0	13	170	
	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	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	3	2	0	0	3	3	1	2	2	7	6	1	1	0	31	405	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	1	0	0	0	0	0	0	0	0	1	11	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			0	7	5	0	1	12	11	7	7	5	25	8	1	4	2	95	1157	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

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For comments or questions, please contact

Thomas K. Nagbe, MPH

Director,

Infectious Disease and Epidemiology Division

National IHR Focal Person

National Public Health Institute of Liberia

Republic of Liberia

Email: tnknue31112@gmail.com

Phone: +231 886 937386/777442444

Website: www.nphil.gov.lr

Ralph W. Jetoh, MD, MPH

Deputy Director

Infectious Disease and Epidemiology Division

National Public Health Institute of Liberia

Republic of Liberia

Email: ralphica2000@gmail.com

Phone: +231 886526388/777372655

Website: www.nphil.gov.lr

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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.