



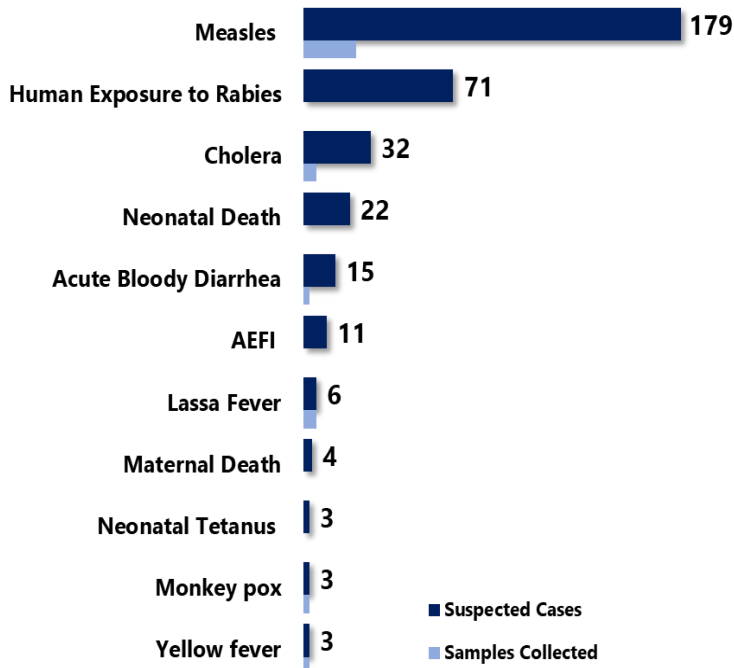
Liberia IDSR Epidemiology Bulletin

Epi-week 11 (March 13-19, 2023)

Country Population: 5,104,413 | Volume 18 Issue 11 | March 13-19, 2023 | Data Source: CSOs from 15 Counties and Laboratory

Highlights

Figure 1: Public Health Events Reported



Keynotes and Events of Public Health Significance

- ◆ A total of 349 events of public health importance including 26 deaths reported
- ◆ Completeness and timeliness of health facility reports were 100% and 99%
- ◆ Ongoing Lassa fever outbreak in 4 Counties
- ◆ Ongoing Measles outbreak in 14 Counties
- ◆ Ongoing Mpox outbreak in 3 Counties

Adverse Events Following Immunization/Adverse Drug Reaction

Reporting Coverage

Table 1: Health Facility Weekly IDSR Reporting Coverage, Liberia, Epi-week 11, 2023

County	Expected Reports From HF*	Reports Received	Received on Time	Completeness (%)	Timeliness (%)
Bomi	28	28	28	100	100
Bong	67	67	67	100	100
Gbarpolu	18	18	18	100	100
Grand Bassa	37	37	37	100	100
Grand Cape Mount	34	34	34	100	100
Grand Gedeh	24	24	24	100	100
Grand Kru	24	24	24	100	100
Lofa	60	60	60	100	100
Margibi	66	66	66	100	100
Maryland	28	28	28	100	100
Montserrado	418	418	410	100	98
Nimba	91	91	91	100	100
Rivercess	21	21	21	100	100
River Gee	20	20	20	100	100
Sinoe	41	41	41	100	100
Liberia	977	977	969	100	99

977(100%)
Health facilities reported IDSR data

969(99%)
Health facilities reported timely IDSR

93 (100%)
Health districts reported IDSR data

- ◆ The national target for weekly IDSR reporting is 80%. Health facility timeliness is monitored at the health district level
- ◆ All counties reported on time to national except Bomi county

Legend: ≥80 <80



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Vaccine-Preventable Diseases

Measles

- One hundred seventy-nine (179) suspected cases were reported from 14 Counties (see distribution in table 2)
- Twenty-five (25) specimens were collected and pending testing
- One hundred six (106) were vaccinated (see distribution in table 3)

Table 2: Distribution of Measles cases per county and epi-classification, Liberia, Epi week 11, 2023

COUNTY	CURRENT WEEK		CUMULATIVE DEATHS	CLASSIFICATION OF CONFIRMED CASES wk 1-11			CUMULATIVE CONFIRMED CASES WEEK 1-11	CFR (%)
	SUSPECTED	LAB CONFIRMED		Lab confirmed	Epi-Linked	Clinically Compatible		
Bomi	1	0	0	2	29	4	35	0.0
Bong	3	0	1	2	87	14	103	1.0
Gbarpolu	0	0	0	0	14	12	26	0.0
Grand Bassa	4	0	0	0	84	0	84	0.0
Grand Cape Mount	4	0	0	1	28	1	30	0.0
Grand Gedeh	14	0	0	1	21	49	71	0.0
Grand Kru	34	0	2	2	412	1	415	0.5
Lofa	3	0	0	0	25	9	34	0.0
Margibi	15	0	0	1	96	1	98	0.0
Maryland	19	0	0	0	279	1	280	0.0
Montserrado	47	0	0	4	360	2	366	0.0
Nimba	21	0	2	1	139	0	140	1.4
River Gee	3	0	0	0	15	13	28	0.0
Rivercess	8	0	0	0	10	10	20	0.0
Sinoe	3	0	0	2	13	24	39	0.0
Total	179	0	5	16	1612	141	1769	3

Table 3: Vaccination Status of Measles Cases, Liberia, Epi week 11, 2023

County	Vaccinated	Number of Doses Received		
		One Dose	Two Doses	Doses Not indicated
Bomi	1	1	0	0
Bong	3	0	0	3
Grand Bassa	3	1	1	1
Grand Cape Mount	4	4	0	0
Grand Gedeh	6	4	1	1
Grand Kru	12	10	2	0
Lofa	3	1	2	0
Margibi	13	13	0	0
Montserrado	43	32	10	1
Nimba	12	12	0	0
River Gee	2	0	0	2
Rivercess	3	3	0	0
Sinoe	1	0	0	1
Grand Total	106	81	16	9



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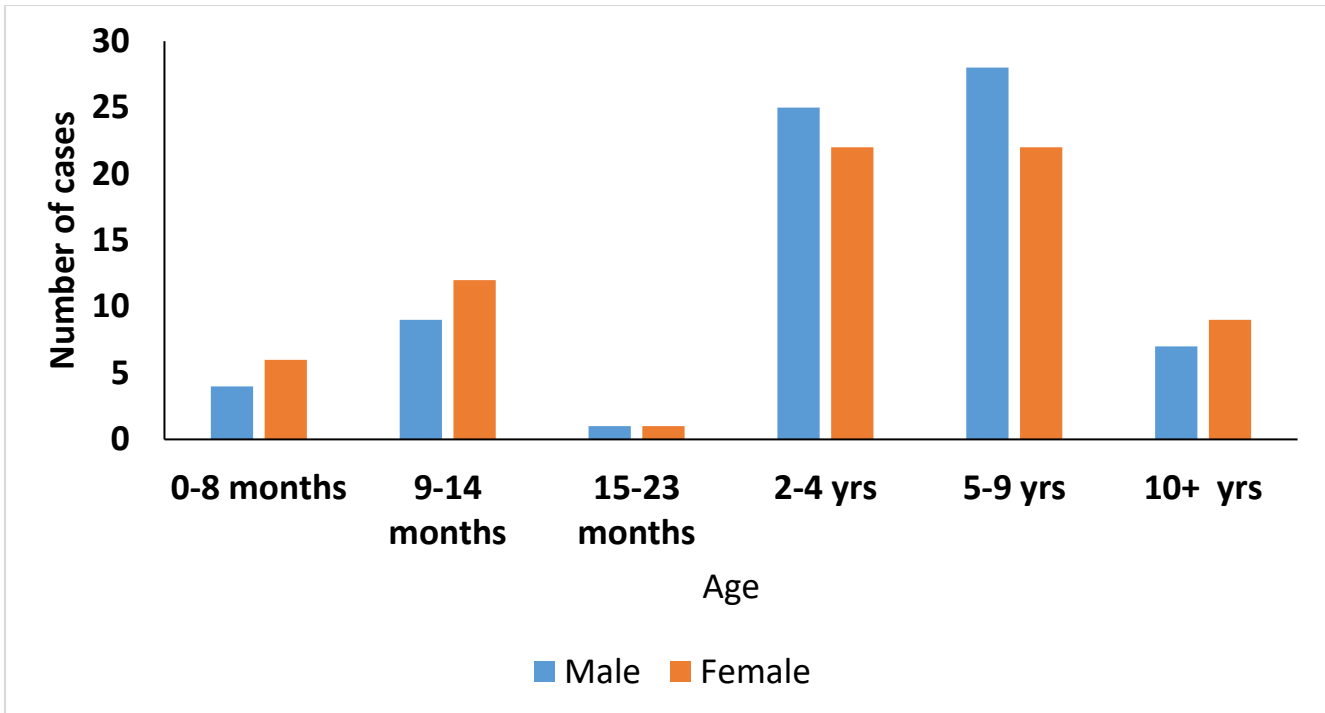


Figure 2: Distribution of Measles Cases by Age and Sex, Liberia Epi week 11, 2023

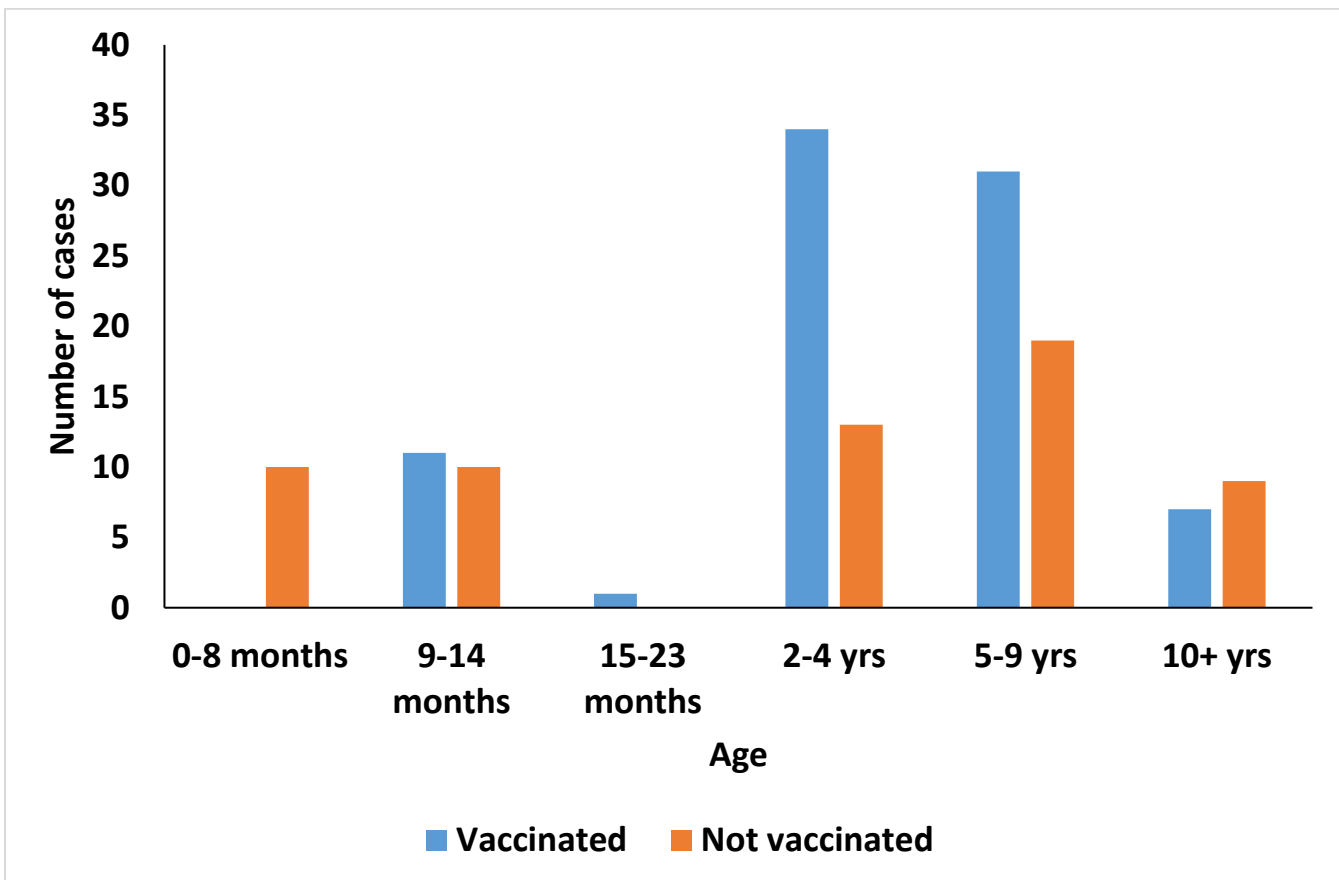


Figure 3: Vaccination Status of Measles Cases by Age group, Liberia, Epi-week 11, 2023



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Outbreak Section

Table 4: Summary Distribution of Measles Cases and Deaths, December 13, 2021- March 19, 2023

COUNTY	CUMULATIVE SUSPECTED CASES	CUMULATIVE CONFIRMED CASES	CLASSIFICATION OF CONFIRMED CASES			CLASSIFICATION OF CONFIRMED DEATHS			CUMULATIVE DEATHS	CFR (%)	# CONFIRMED MED CASES WEEK 10	# CONFIRMED CASES WEEK 11	% CHANGE	Outbreak Status
			Lab confirmed	Epi Linked	Clinically Compatible	Lab confirmed	Epi Linked	Clinically Compatible						
Montserrado	4,737	4,675	141	4,380	154	3	61	3	67	1.6	51	47	-9	Ongoing
Nimba	914	886	37	811	38	0	0	2	3	0.1	14	21	50	Ongoing
Margibi	711	690	33	649	8	0	1	1	1	0	17	15	-11	Ongoing
Grand Bassa	856	819	40	677	102	1	6	0	7	1	7	3	-57	Ongoing
Lofa	271	211	32	140	39	0	0	0	0	0	2	1	-50	Ongoing
Bong	477	457	19	393	45	0	1	2	3	0.6	10	3	-70	Ongoing
Maryland	657	649	22	608	19	0	0	0	0	0	33	18	-45	Ongoing
Grand Gedeh	289	176	30	113	33	0	0	0	0	0	15	10	-33	Ongoing
Sinoe	199	161	33	58	70	0	0	0	0	0	0	0	-	Ongoing
Bomi	145	120	33	71	16	1	2	2	5	7.4	4	1	-99	Ongoing
Grd Cape Mt	175	155	16	112	27	0	2	1	3	2.7	5	2	-60	Ongoing
Grand Kru	659	633	16	611	6	0	2	0	2	0	21	34	62	Ongoing
Gbarpolu	84	70	5	60	5	0	0	0	0	0	0	0	-	Ongoing
Rivercess	102	83	22	54	7	0	1	0	1	1.3	0	0	-	Ongoing
River Gee	20	10	3	0	7	0	0	0	0	0	6	0	-	Ongoing
Total	10,295	9,795	482	8,737	576	5	76	11	92	1.5	185	155		

Public Health Response

I. Coordination

- Response efforts have been coordinated by CHTs with support from partners

II. Epidemiological Surveillance

- Surveillance activities have been intensified at all levels in the affected counties (Margibi, Gbarpolu, Grand Kru, Maryland, Nimba, and Grand Bassa).
- Active case search
- Line listing of cases

III. Case Management

- Patients were managed at the health facility and sent for home-based isolation (Bong, Grand Cape Mount, Grand Bassa, Bomi, Maryland, Lofa, Montserrado, and Nimba).

IV. Laboratory

- Specimens were collected from 8 districts in 5 counties for testing (Bomi-Senjah, GCM-Garwula, Tewor, Grand Gedeh-B'hai, Tchien, and Cavalla, Sinoe-Kpanyan).

V. Immunization

- Measles vaccine outreach is ongoing in affected and surrounding communities in Bong County

VI. Risk Communication and Community Engagement

- Community advocacy meetings with local leaders and family members in the affected communities ongoing in Grand Kru County
- Engagement with community stakeholders on measles prevention ongoing and control of Measles at the health facility and community levels in Montserrado, and Grand Kru Counties



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Acute Flaccid Paralysis (AFP)

- Zero (0) cases were reported
- Cumulatively, eleven (11) cases were reported

Neonatal Tetanus

- Three (3) cases were reported from Grand Bassa (1), Montserrado (1), and Nimba (1) Counties
- Cumulatively, sixteen (16) cases reported

Influenza-Like Illnesses

Coronavirus Disease (COVID-19)

Outbreak

- No new confirmed cases reported
- Cumulatively, eight thousand twenty-two (8,022) confirmed cases including 294 deaths
 - 601 healthcare workers
- A total of 17,827 contacts have been generated
 - 1,772 healthcare workers

Public Health Actions

- IMS coordination meeting ongoing.
- Surveillance activities including active case search and case investigation ongoing in the affected counties using WHO interim guidelines
- Case management ongoing for confirmed cases
- Compulsory testing among outgoing travelers as required by the country of destination ongoing

Viral Hemorrhagic Diseases

Lassa fever

- Six (6) suspected cases were reported from Nimba (3), Montserrado (2), and Grand Bassa (1) Counties
- All specimens were collected: 1 tested positive (Grand Bassa) and 5 negative
- Cumulatively, seventy (70) suspected cases reported
 - Proportion of suspected cases with a sample collected (60/70) 86%
 - Proportion of suspected cases with sample tested (60/60) 100%
 - Case fatality rate: CFR (8/25) 32%

Current Outbreak

Lassa fever disease

- One new confirmed case was reported
- Eighty-eight (88) contacts under 21 days' follow-up
- Cumulatively, sixty-eight (68) laboratory-confirmed cases including 17 deaths reported (CFR=25%)



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Table 5: Description of Confirmed Lassa fever case reported in Epi-week 11, 2023

Age (Yrs)	Sex	Outcome	Occupation	Community of resident	District of outbreak	Reporting County	Date of Onset	Date of Admission	Hospital	Date specimen collected	Date specimen sent to Lab	Date ribavirin initiated	Date case confirmed	Total contacts	Total HCWs contacts
21 yrs	F	Alive	Business woman	Seeko camp, LAC Plantation	District 3A&B	G. Bassa	7-Mar-23	14-Mar-23	LAC hospital	14-Mar-23	14-Mar-23	14-Mar-23	17-Mar-23	7	0

Table 6: Summary of Lassa fever Outbreak, Liberia, January 6, 2022-to date

County	Outbreak Dates	District of Outbreak	Total suspected cases	Total confirmed cases	Total confirmed cases in HCWs	Total Deaths	CFR %	Total contacts	Total HCWs contacts	Total contact completed	Total contacts under follow-up
Bong	Jan. 6, 2022, to date	Suakoko	108	38	8	8	21	366	200	358	8
Nimba	Feb. 6, 2023 to date	Sanniquellie-Mah & Tappita	6	3	0	1	33	79	52	42	37
Grand Bassa	Sept. 9, 2022 to date	District #3 A&B	47	24	0	6	26	128	22	121	7
Mont	Feb 13, 2023 to date	Central Monrovia	5	3	0	2	67	46	15	10	36
Total		4	166	68	8	17	25	619	289	531	88

Public Health Measures

- NPHIL continues to provide technical support to the affected counties

I. Surveillance:

- Heightened case detection and reporting in affected communities and districts
- Situational reports are produced and shared regularly at the National Level
- Daily follow-up/monitoring of contacts

II. RCCE

- Health Education in affected and surrounding communities
- Health workers and visitors are encouraged to enhance IPC practices by regular washing of hands

III. Case Management

- Cases isolated and ribavirin treatment administered

IV. IPC

- Affected communities were empowered with the WASH package to enable them to undertake short-term interventions that will improve the sanitation situation in each community thereby helping in Lassa fever prevention and control

Yellow fever

- ☞ Three (3) cases were reported from Grand Gedeh (1), Grand Cape Mount (1), and River Gee (1) Counties
- ☞ Specimens were collected and pending testing
- ☞ Cumulatively, twenty-one (21) suspected cases reported
 - Proportion of suspected cases with samples collected (21/21) 100%



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- Three samples were collected but not transported (Epi week 5 from Grand Gedeh, River Gee, and Grand Kru Counties)
- Proportion of samples collected and tested (11/21) 52%
- Negative- 11

Ebola Virus Disease

- ☞ Zero suspected case reported

Diarrheal Diseases

Acute Bloody Diarrhea (Suspected Shigellosis)

- ☞ Fifteen (15) cases were reported from Lofa (5), Margibi (3), Grand Gedeh (1), Nimba (1), Grand Cape Mount (1), River Gee (1), Grand Kru (1), Gbarpolu (1), and Bong (1) Counties
- ☞ Three (3) specimens were collected and pending testing
- ☞ Cumulatively, one hundred fifteen (115) cases reported
 - Negative-21

Severe Acute Watery Diarrhea (Suspected Cholera)

- ☞ Thirty-two (32) cases were reported from River Gee (7), Bong (5), Maryland (5), Lofa (4), Margibi (4), Nimba (3), Grand Kru (2), Grand Bassa (1), and Sinoe (1) Counties
- ☞ Ten (10) specimens were collected and pending testing
- ☞ Cumulatively, one hundred sixty-one (161) suspected cases reported
 - Negative-8

Other Reportable Diseases

Animal bite (Human Exposure to Rabies)

- ☞ Seventy-one (71) animal bite cases were reported:

Table 7: Distribution of Animal bite cases and PEP administration per county, Liberia, Epi week 11, 2023

Counties	Cases	Person receiving PEP	PEP doses administered	Cumulative cases (Wk 1-11)	Cumulative PEP administered (Wk 1-11)
Bomi	1	1	1	14	4
Bong	5	2	2	37	12
Gbarpolu	1	0	0	9	0
Grand Bassa	6	0	0	54	3
Grand Cape Mount	4	4	4	22	7
Grand Gedeh	1	0	0	26	1
Grand Kru	3	0	0	67	15
Lofa	9	3	2	50	10
Margibi	12	9	9	44	23
Maryland	4	0	0	20	9
Montserrado	9	4	3	114	56
Nimba	13	6	6	74	20
Rivercess	1	1	1	11	3
River Gee	0	0	0	23	0
Sinoe	2	0	0	21	1
Total	71	30 (42%)	28	586	164(28%)
Legend	1-2 doses		3-4 doses		5 doses



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Public Health Actions

- ☞ Ongoing monitoring and follow-up of cases

Meningitis

- ☞ Zero cases were reported
- ☞ Cumulatively, eight (8) suspected cases reported
 - Proportion of suspected cases with samples collected (6/8) 75%
 - Proportion of samples tested (5/8) 63%

Mpox

- ☞ Three (3) suspected cases were reported from Gbarpolu (2), and Lofa (1) Counties
- ☞ Specimens were collected: 1 tested positive (Gbarpolu), 1 negative, and 1 pending
- ☞ Cumulatively, thirty-three (33) suspected cases reported
- ☞ Five confirmed: Rivercess (2), Grand Cape Mount (2), and Gbarpolu (1)

Outbreak

Mpox: December 5, 2022-March 22, 2023

- ☞ One new confirmed case from Gbarpolu County
- ☞ Total of 7 confirmed cases reported
- ☞ Counties currently in outbreak: 3

Table 8: Summary of Mpox Outbreak, Liberia, Dec 5, 2022-March 22, 2023

County	Outbreak Start Date	Outbreak Districts	Total suspected cases	Total confirmed cases	Total Deaths	CFR %	Total Contacts	# HCW contacts	Contacts under follow up	Contacts completed
Grand Cape Mount	Feb.24 to date	Garwula	2	2	0	0.0	5		6	0
Rivercess	Dec. 5 to date	Central "C"	3	1	0	0.0	20	2	10	6
	Dec. 5 to date	Jo River	1	1	0	0.0	6	2	6	0
Gbarpolu	March 17, 2023 to date	Belle	2	1	0	0.0	7	0	7	0

Public Health Measures

I. Coordination

- National Public Health Institute of Liberia (NPHIL) and the Ministry of Health (MOH) along with partners are providing technical and financial support to affected counties

II. Epidemiological Surveillance

- Active case search, case investigation, and contact tracing ongoing in the affected and neighboring communities and districts
- Development and dissemination of Sitrep by affected county and national

III. Case management and IPC

- Symptomatic treatment of the suspected case initiated



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- IPC measures instituted in affected communities and schools

IV. Risk Communication and Community Engagement

- Community engagement and awareness with local leaders and community health development committees in the affected community and surrounding towns ongoing

Key Challenges

- No support from county-based partners for response activities
- Limited IPC materials for response activities
- Limited copies of Mpox standard case definitions

Events of Public Health Importance

Maternal Mortality

- ☞ Four (4) deaths were reported from Montserrado (1), Sinoe (1), Lofa, and Maryland (1) Counties
- ☞ Reported causes: PPH (4)
- ☞ Reported sites:
 - Health facility: 4/4 (100%)
- ☞ Cumulatively, fifty-eight (58) deaths reported
 - Proportion of death reviewed (23/58) 40%
 - Proportion of community death (11/58) 19%

Neonatal Mortality

- ☞ Twenty-two (22) deaths were reported: Montserrado (11), Nimba (3), Lofa (2), Sinoe (2), Gbarpolu (1), Grand Kru (1), Maryland (1), and River Gee (1) Counties
- ☞ Reported causes: Birth Asphyxia (9), Sepsis (8), Preterm (5), and pending review (1)
- ☞ Reporting sites:
 - Health facility: (20/21) 95%
 - Community: (1/21) 5%
- ☞ Cumulatively, one hundred forty-two (142) deaths reported

Adverse Events Following Immunization (AEFI)/Adverse Drug Reaction (ADR)

- ☞ Eleven (11) cases were reported from Bomi (6), Grand Bassa (1), Grand Kru (1), Grand Gedeh (1), Rivercess (1), and Lofa (1) Counties
- ☞ All reported cases were non-serious
- ☞ Related vaccine:
 - COVID-19 (7/11) 64%
 - OPV (2/11) 18%
 - Penta (1/11) 9%
 - Measles (1/11) 9%
- ☞ Cumulatively, hundred-one (101) events were reported and COVID-19 accounted for (61/101) 60%



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Border Surveillance Update

A total of 5,685 travelers were recorded for the week with incoming travelers accounting for 55% (3,129/5,685)

Table 9: Border activity at the PoE for Incoming and Outgoing Travelers, Liberia Epi week 11, 2023

Type of Ports	Point of Entry	Weekly total	Arrival	Departure	Total travelers with YB	Yellow Book Damage	Card Replaced	Travelers Vaccinated against YF & Issued book	Alerts detected/ Verified	COVID-19 Reactive	Evidence of COVID-19 vaccination card/certificate
Airport	James S. Paynes	34	21	13	4	0	0	0	0	0	9
	Robert Int'l Airport	4178	2366	1812	4112	66	42	8	0	0	4133
Seaport	Freeport of Monrovia	382	191	191	382	0	0	0	0	0	382
	Buchanan Port	102	51	51	102	0	0	0	0	0	102
Land Crossing	Bo Water Side	615	320	295	610	5	5	0	0	0	600
	Ganta	227	93	134	70	0	0	32	0	0	104
	Yekepa	57	30	27	44	0	0	0	0	0	42
	Loguatu	90	57	33	78	0	0	0	0	0	40
Totol		5,685	3,129	2,556	5,402	71	47	40	0	0	5,412

Note: Yellow book issue for both arrival and departure; Vaccination coverage for both arrival and departure

Public Health Measures

National level

- ☛ IDSR data harmonization ongoing in all 15 Counties
- ☛ Completed IDSR supportive supervision and mentorship in three counties (Maryland, River Gee, and Grand Kru) with support from GIZ

County-level

☛ Coordination

- Ongoing coordination meetings in outbreak counties
- Partner coordination and resource mapping

☛ Surveillance

- Publication of situational reports
- Active case search ongoing in affected and surrounding communities

☛ Case Management

- Administration of PEP and ribavirin
- Management of measles cases ongoing

Appendix

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

		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	9	5	8	5	6	5	6	4	6	7	6	6	6	10	93			
Vaccine Preventable Diseases	Acute Flaccid Paralysis (Suspected Polio)	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Measles	A	1	3	0	4	4	14	34	3	15	19	47	21	8	3	3	179	1,818	9
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0
	Neonatal Tetanus	A	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	3	13	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
	Yellow fever	A	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	3	21	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Viral Hemorrhagic Diseases	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	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
	Lassa fever	A	0	0	0	1	0	0	0	0	0	0	2	3	0	0	0	6	62	19
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	6
Influenza-Like Diseases	COVID-19	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
	Influenza Like Illnesses	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0
		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	1	1	0	1	1	1	5	3	0	0	1	0	1	0	15	115	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	5	0	1	0	0	2	4	4	5	0	3	0	7	1	32	161	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Events of Public Health Interest	Maternal Mortality	D	0	0	0	0	0	0	1	0	1	1	0	0	0	1	4	58		
	Neonatal Mortality	D	0	0	1	0	0	0	1	2	0	1	11	3	0	1	2	22	142	
	AEFI	A	6	0	0	1	0	1	1	1	0	0	0	0	1	0	0	11	101	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	Mpox	A	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	3	33	4
		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 Rabbits (Suspected Human Rabies)	A	1	5	1	6	4	1	3	9	12	4	9	13	1	0	2	71	586	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	0	0	0	0	0	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		8	14	5	14	0	18	0	26	0	30	0	45	0	13	9	349	3152	29	

D = Dead A = Alive

Notes

- ☞ **Completeness** refers to the proportion of expected weekly IDSR reports received (target: $\geq 80\%$)
- ☞ **Timeliness** refers to the proportion of expected weekly IDSR reports received by the next level on time (target: $\geq 80\%$). The time requirement for weekly IDSR reports:
 - Health facility - required on or before 5:00 pm every Saturday to the district level
 - Health district - required on or before 5:00 pm every Sunday to the county level
 - County - required on or before 5:00 pm 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: $\geq 2/100,000$)
- ☞ **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 of 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 of 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 been 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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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.