



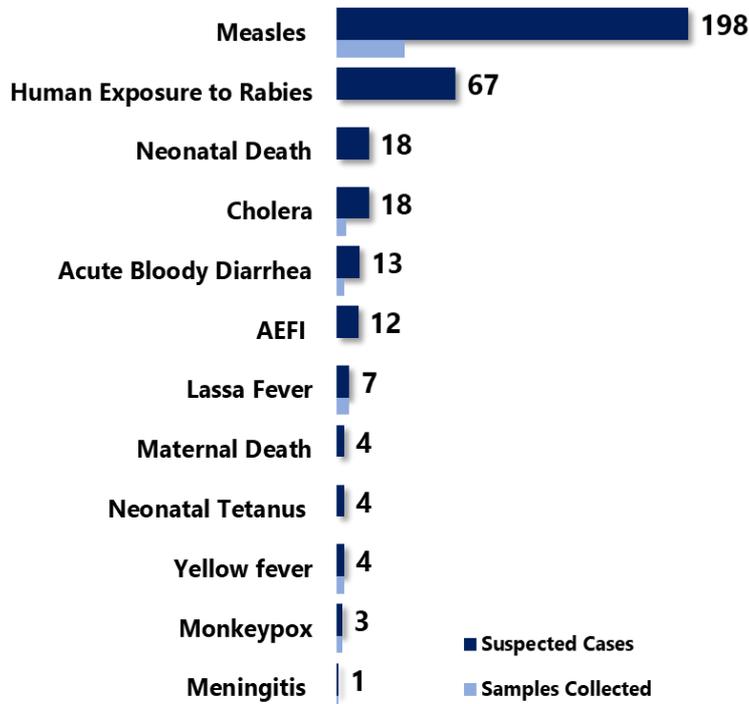
Liberia IDSR Epidemiology Bulletin

Epi-week 8 (Feb 20 -26, 2023)

Country Population: 5,104,413 | Volume 18 Issue 8 | Feb 20 - 26, 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 **27 deaths** reported
- ◆ **Completeness and timeliness** of health facility reports were both **100%**
- ◆ **Ongoing Lassa fever** outbreak in 4 Counties
- ◆ **Ongoing Measles** outbreak in 11 Counties
- ◆ **Ongoing Monkeypox** outbreak in Rivercess and Lofa Counties

Adverse Events Following Immunization/Adverse Drug Reaction

Reporting Coverage

Table 1: Health Facility Weekly IDSR Reporting Coverage, Liberia, Epi-week 8, 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	418	100	100
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	977	100	100

977(100%)
Health facilities reported IDSR data

93 (100%)
Health districts reported IDSR data

977(100%)
Health facilities reported timely IDSR data

◆ The national target for weekly IDSR reporting is 80%. Health facility timeliness is monitored at the health district level

Legend: ≥80 <80



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Vaccine-Preventable Diseases

Measles

- One hundred ninety-eight (198) suspected cases were reported from 14 Counties (see distribution in table 2)
- Thirty-eight (38) specimens collected and pending testing
- Ninety-seven (97) were vaccinated (see distribution in table 3)

Table 2: Distribution of Measles cases per county and epi-classification, Liberia, Epi week 8, 2023

COUNTY	CURRENT WEEK		CUMULATIVE DEATHS	CLASSIFICATION OF CONFIRMED CASES wk 1-8			CUMULATIVE CONFIRMED CASES WEEK 1-8	CFR (%)
	SUSPECTED	LAB CONFIRMED		Lab confirmed	Epi-Linked	Clinically Compatible		
Bomi	0	0	0	2	16	4	22	0.0
Bong	16	0	1	2	58	14	74	1.4
Gbarpolu	7	0	0	0	10	12	22	0.0
Grand Bassa	22	0	0	0	60	0	60	0.0
Grand Cape Mount	3	0	0	1	14	1	16	0.0
Grand Gedeh	6	0	0	0	6	30	36	0.0
Grand Kru	52	0	2	0	317	1	318	0.6
Lofa	1	0	0	0	17	9	26	0.0
Margibi	13	0	0	0	48	1	49	0.0
Maryland	21	0	0	0	214	1	215	0.0
Montserrado	27	0	0	1	210	2	213	0.0
Nimba	19	0	2	1	91	0	92	2.2
River Gee	3	0	0	0	6	13	19	0.0
Rivercess	1	0	0	0	9	2	11	0.0
Sinoe	7	0	0	2	10	12	24	0.0
Total	198	0	5	9	1086	102	1197	4.2

Table 3: Vaccination Status of Measles Cases, Liberia, Epi week 8, 2023

County	Vaccinated	Number of Doses Received		
		One-Dose	Two Doses	Doses Not indicated
Gbarpolu	7	6	1	0
Grand Bassa	10	2	1	7
Grand Cape Mount	3	0	3	0
Grand Gedeh	1	0	1	0
Grand Kru	13	9	4	0
Lofa	1	1	0	0
Margibi	9	9	0	0
Maryland	2	0	0	2
Montserrado	26	20	6	0
Nimba	16	15	1	0
River Gee	2	0	1	1
Sinoe	7	0	0	7
Total	97	62	18	17



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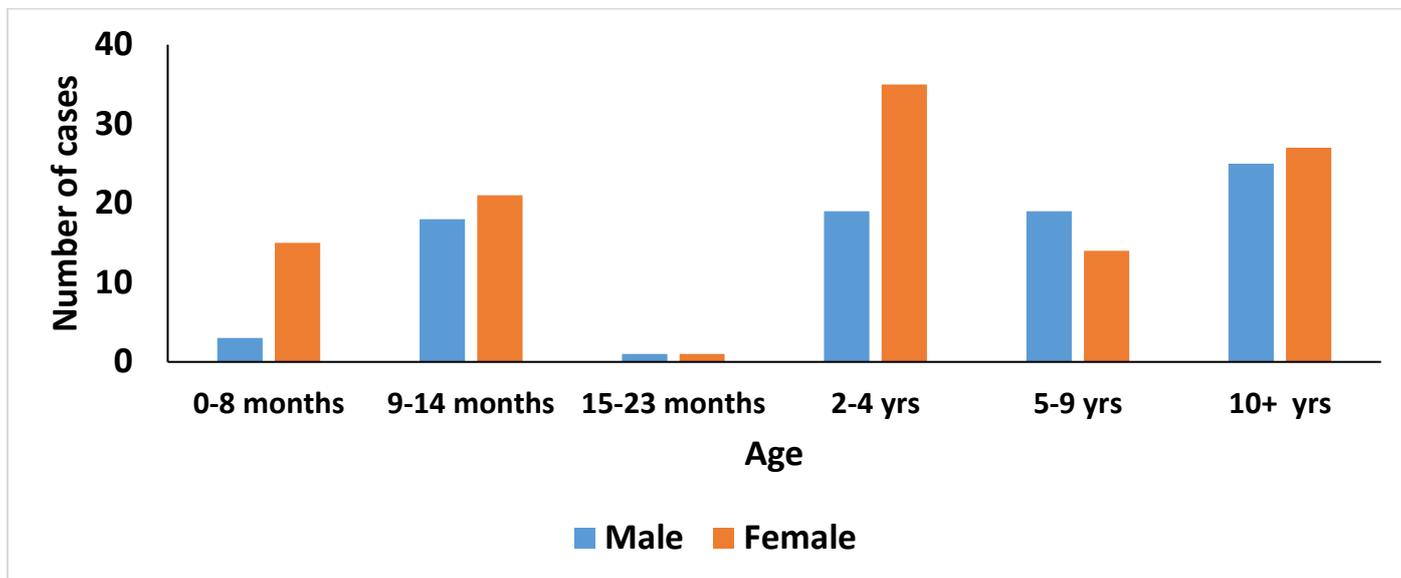


Figure 2: Distribution of Measles Cases by Age and Sex, Liberia Epi week 8, 2023

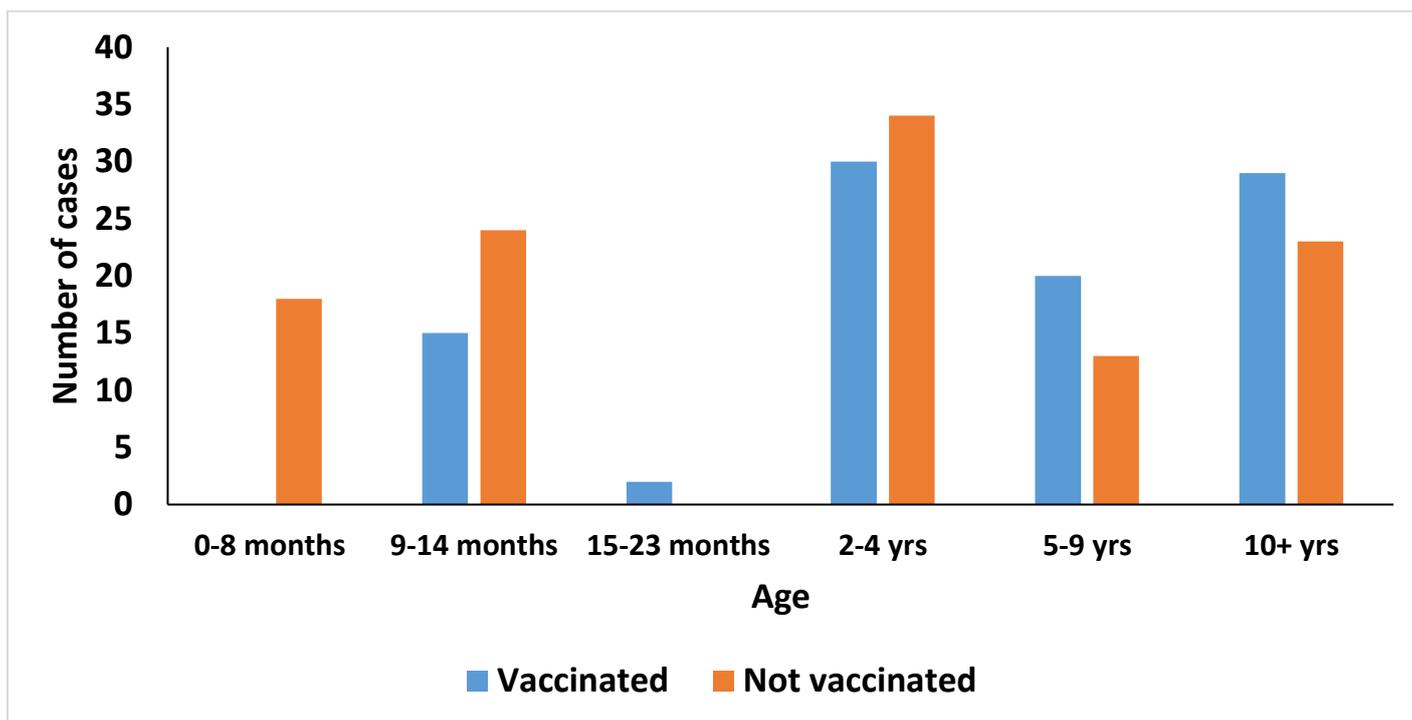


Figure 3: Vaccination Status of Measles Cases by Age group, Liberia, Epi-week 8, 2023



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Outbreak Section

Table 4: Summary Distribution of Measles Cases and Deaths, December 13, 2021- February 26, 2023

COUNTY	CUMULATIVE SUSPECTED CASES	CUMULATIVE CONFIRMED CASES	CLASSIFICATION OF CONFIRMED CASES			CLASSIFICATION OF CONFIRMED DEATHS			CUMULATIVE DEATHS	CFR (%)	# CONFIRMED CASES WEEK 7	# CONFIRMED CASES WEEK 8	% CHANGE	Outbreak Status
			Lab confirmed	Epi Linked	Clinically Compatible	Lab confirmed	Epi Linked	Clinically Compatible						
Montserrado	4,582	4,520	141	4,225	154	3	61	3	67	1.6	42	27	-36	Ongoing
Nimba	864	836	37	761	38	0	0	2	3	0.1	4	19	375	Ongoing
Margibi	679	658	33	617	8	0	1	1	1	0	7	14	-86	Ongoing
Grand Bassa	836	799	40	657	102	1	6	0	7	1	2	22	1000	Ongoing
Lofa	266	206	32	135	39	0	0	0	0	0	7	3	-57	Ongoing
Bong	454	434	19	372	45	0	1	2	3	0.6	6	16	166	Ongoing
Maryland	594	586	22	546	19	0	0	0	0	0	23	19	-17	Ongoing
Grand Gedeh	256	143	30	80	33	0	0	0	0	0	0	0	-	Ended
Sinoe	193	155	33	58	64	0	0	0	0	0	0	0	-	Ended
Bomi	132	107	33	58	16	1	2	2	5	7.4	6	0	-100	Ongoing
Grd Cape Mt	165	145	16	102	27	0	2	1	3	2.7	3	3	-	Ongoing
Grand Kru	564	538	16	516	6	0	2	0	2	0	64	52	-19	Ongoing
Gbarpolu	80	66	5	56	5	0	0	0	0	0	0	6	-	Ongoing
Rivercess	102	83	22	54	7	0	1	0	1	1.3	0	0	-	Ongoing
River Gee	14	4	3	0	1	0	0	0	0	0	0	0	-	Ended
Total	9,781	9,280	482	8,234	564	5	76	11	92	1.5	147	181		

Public Health Response

I Coordination

- Conducting daily coordination meetings to solicit support from stakeholders
- Ongoing collaboration meeting between NPHIL and MOH to develop a joint action plan for the conduct of a nationwide reactive Measles campaign
- Response efforts have been coordinated by CHTs with support from partners

II. Epidemiological Surveillance

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

III. Case Management

- Initiated treatment at the health facility and sent for home-based isolation and management (Margibi, Maryland, Nimba, Gbarpolu, and Grand Bassa)
- Severe cases are being managed at the nearest health facilities (6), while mild to moderate (32) cases are being managed at the community in Grand Kru County (Judoku Clinic-2, Gbalakpo Clinic-2, Barclayville Health Center-1, and Gblebo Clinic-1).

IV. Laboratory

- Specimens were collected from 13 districts in 7 counties for testing (Grand Gedeh-Putu, Cavalla, Tchien, Margibi-Mamba Kaba, Firestone, Lofa-Zorzor, River Gee-Tienpo, Gbeapo, Potupo, Grand Kru-Jroah, Rivercess-Yarnee, and Sinoe-Dugbe River and Jaedae).

V. Immunization

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



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VI. Risk Communication and Community Engagement

- Community advocacy meetings with local leaders and family members in the communities ongoing in Grand Kru County
- Awareness and health education are ongoing on the prevention and control of Measles at the health facility and community levels in Grand Kru County
- Regular radio talk shows to create awareness and health education on the spread and prevention of Measles ongoing in Grand Kru County
- CHPs are encouraged to intensify home visitation in affected communities in Maryland County

Acute Flaccid Paralysis (AFP)

- ☞ Zero cases reported
- ☞ Cumulatively, nine (9) cases were reported

Neonatal Tetanus

- ☞ Four (4 including 1 death) cases were reported from Montserrado (2), Grand Gedeh (1), Grand Kru (1)
- ☞ Cumulatively, nine (9) cases reported

Influenza-Like Illnesses

Coronavirus Disease (COVID-19)

Outbreak

- ☞ No new confirmed case reported
- ☞ Cumulatively, eight thousand ninety (8,090) 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

Influenza Like Illnesses

- ☞ Zero cases reported

Viral Hemorrhagic Diseases

Lassa fever

- ☞ Seven (7) suspected cases were reported from Bong (4), River Gee (1), Montserrado (1), and Grand Bassa (1) Counties
- ☞ Seven (7) specimens were collected: 2 tested positive, 3 negative, and 2 pending testing
- ☞ Cumulatively, fifty-seven (57) suspected cases reported
 - Proportion of suspected cases with a sample collected (53/57) 93%
 - Proportion of suspected cases with sample tested (47/53) 89%



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Current Outbreak

Lassa fever disease

- Two (2) new confirmed cases were reported
- Sixty-five (65) contacts under 21 days' follow-up
- Cumulatively, sixty-four (64) laboratory-confirmed cases including 15 deaths reported (CFR=23%)

Table 5: Summary of Lassa fever Confirmed Cases Reported in Epi week 8, 2023

Age (Yrs)	Sex	Occupation	Community of resident	District of outbreak	Reporting County	Date of Onset	Date of Adm.	Hospital	Date specimen collected	Date specimen sent to Lab.	Date ribavirin initiated	Date case confirmed	Total contacts	Total HCWs contacts
66 yrs	F	Business woman	Tuwah town	Bushrod	Mont	16-Feb-23	23-Feb-23	Redemption	24-Feb-23	24-Feb-23	Not administered	27-Feb-23	2	0
22 yrs	F	Unknown	Food crops, LAC	District #3AB	G. Bassa	16-Feb-23	23-Feb-23	LAC hospital	24-Feb-23	25-Feb-24	24-Feb-23	27-Feb-23	7	0

Table 6: Summary of Lassa fever Outbreak, Liberia, Jan 6, 2022-Feb 26, 2023

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	102	37	8	8	18	317	194	294	23
Nimba	Feb. 6, 2023	Sanniquellie-Mah	3	2	0	0	0	43	35	16	27
Grand Bassa	Sept. 9, 2022 to date	District #3 A&B	45	23	0	6	27	121	19	114	7
Mont	13-Feb-23	Bushrod Island	3	2	0	1	0	13	6	5	8
Total		4	153	64	8	15	23	494	254	429	65

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



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Yellow fever

- ☞ Four (4) cases were reported from Grand Gedeh (2), Grand Cape Mount (1), and River Gee (1) Counties
- ☞ Four (4) specimens were collected and 3 pending testing and 1 pending arrival at the lab
- ☞ Cumulatively, eleven (11) suspected cases reported
 - Proportion of suspected cases with samples collected (11/11) 100%
 - One sample was collected but not transported (Epi week 5 from Grand Gedeh)
 - Proportion of samples collected and tested (4/11) 36%

Ebola Virus Disease

- ☞ Zero suspected cases reported

Diarrheal Diseases

Acute Bloody Diarrhea (Suspected Shigellosis)

- ☞ Thirteen (13) cases were reported from Nimba (2), Sinoe (2), River Gee (1), Gbarpolu (1), Grand Kru (1), Grand Bassa (1), Maryland (1), Margibi (1), Rivercess (1), Grand Gedeh (1), and Grand Cape Mount (1) Counties
- ☞ Four (4) specimens collected and pending testing
- ☞ Cumulatively, sixty-six (66) cases reported

Severe Acute Watery Diarrhea (Suspected Cholera)

- ☞ Eighteen (18) cases were reported from Grand Kru (4), Lofa (4), Maryland (2), Grand Bassa (2), Sinoe (2), Margibi (1), Bomi (1), Nimba (1), and River Gee (1) Counties
- ☞ Five (5) specimens were collected and pending testing
- ☞ Cumulatively, seventy-four (74) suspected cases reported

Other Reportable Diseases

Animal bite (Human Exposure to Rabies)

- ☞ Sixty-seven (67) animal bite cases were reported:

Table 7: Distribution of Animal bite cases and PEP administration per county, Liberia, Epi week 8, 2023

Counties	Cases	Person receiving PEP	PEP doses administered	Cumulative cases (Wk 1-8)	Cumulative PEP administered (Wk 1-8)
Bomi	2	1	1	8	1
Bong	0	0	0	23	7
Gbarpolu	2	0	0	5	0
Grand Bassa	11	0	0	33	1
Grand Cape Mount	5	0	0	15	1
Grand Gedeh	5	1	1	20	1
Grand Kru	2	0	0	45	15
Lofa	3	0	0	29	3
Margibi	2	1	1	27	13
Maryland	1	0	0	13	6
Montserrado	17	11	11	87	49
Nimba	9	3	3	47	11
Rivercess	2	1	1	9	1
River Gee	2	0	0	18	0
Sinoe	4	0	0	16	1
Total	67	18 (27%)	18	395	110 (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

- ☞ One case was reported from Nimba County
- ☞ Specimen was collected and tested negative
- ☞ Cumulatively, six (6) suspected cases reported
 - Proportion of suspected cases with samples collected (5/6) 83%
 - Proportion of sample tested (4/5) 80%

Monkeypox

- ☞ Three (3) cases were reported from Maryland, Grand Cape Mount, and Lofa Counties
- ☞ Specimens collected: 2 tested negative and 1 positive
- ☞ Cumulatively, twenty-five (25) suspected cases reported
- ☞ Five confirmed: Lofa (2), Rivercess (2), and Grand Cape Mount (1)
- ☞ Fourteen contacts under follow-up

Table 8: Summary of Monkey pox Outbreak, Liberia, Dec 5, 2022-Feb 26, 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
Rivercess	Dec 5 to date	Central "C"	3	2	0	0.0	16	2	10	6
Lofa	Dec 22 to date	Salayea	3	1	0	0.0	15	0	0	15
	Dec 22 to date	Voinjama	2	1	0	0.0				

Outbreak

Monkeypox:

- ☞ One (1) new confirmed case reported from Grand Cape Mount County
- ☞ Total confirmed cases reported: 5
- ☞ Counties currently in outbreak: 3

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
- IPC measures instituted in affected communities and schools



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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 specimen collection kits for Monkeypox in Rivercess County
- No support from county-based partners for response activities
- Limited IPC materials for response activities
- Limited copies of monkeypox standard case definitions

Events of Public Health Importance

Maternal Mortality

Four (4) deaths were reported from Nimba, Montserrado, Lofa, and Bong Counties

Reported causes: Sepsis (2), Hypovolemic shock, and Prolonged labor

Reported sites:

- Health facility: 4/4 (100%)

Cumulatively, thirty-seven (37) deaths reported

- Proportion of death reviewed (23/37) 62%
- Proportion of community death (7/37) 19%

Neonatal Mortality

Eighteen (18) deaths were reported: Montserrado (11), Maryland (2), Nimba (1), Bong (1), Grand Gedeh (1), Rivercess (1), and Sinoe (1) Counties

Reported causes: Prematurity (7), Sepsis (5), Birth Asphyxia (2), Neonatal tetanus (1), Omphalocele (1), Neonatal hypoxia (1), and pending review (Maryland-1)

Reporting sites:

- Health facility: (17/18) 94%
- Community: (1/18) 6%

Cumulatively, eighty-two (82) deaths reported

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

Twelve (12) cases were reported from Grand Kru (6), Grand Cape Mount (2), Grand Gedeh (2), Lofa (1), and Rivercess (1) Counties

Related vaccine:

- Penta (8/12) 67%
- COVID-19 (2/12) 17%
- BCG (1/12) 8%
- Yellow fever (1/12) 8%

Cumulatively, forty-one (41) events were reported and COVID-19 accounted for (20/41) 49%



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Border Surveillance Update

A total of 5,146 travelers were recorded for the week with incoming travelers accounting for 49% (2,537/5,146)

Table 9: Border activity at the PoE for Incoming and Outgoing Travelers, Liberia, Epi week 8, 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	35	15	20	34	0	0	0	0	0	1
	Robert Int'l Airport	3766	1846	1920	3764	82	0	0	0	0	3727
Seaport	Freeport of Monrovia	209	111	98	209	0	0	0	0	0	209
	Buchanan Port	86	43	43	86	0	0	0	0	0	86
Land Crossing	Bo Water Side	657	310	347	650	0	7	0	0	0	639
	Ganta	236	115	121	16	10	0	159	0	0	0
	Yekepa	54	32	22	37	0	0	0	0	0	39
	Loguatu	103	65	38	86	0	0	0	0	0	64
Total		5,146	2,537	2,609	4,882	92	7	159	0	0	4,765

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

Public Health Measures

National level

- ☞ Providing financial and remote technical supports to counties
- ☞ Producing and circulating situational reports (Measles, Lassa fever, and Monkeypox)

County-level

☞ Coordination

- Ongoing IMS 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	
0																				
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	7	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Measles	A	0	16	7	22	3	6	52	1	13	21	27	19	1	3	7	198	1,197	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	0	0	0	1	0	0	0	1	0	0	0	0	2	7	0
		D	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	2	2	0
Yellow fever	A	0	0	0	0	1	2	0	0	0	0	0	0	0	1	0	4	11	0	
	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Viral Hemorrhagic Fe	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	3	0	1	0	0	0	0	0	0	0	0	0	0	0	4	50	18
		D	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	3	7	4
Influenza-Like	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 Disease	Acute Bloody Diarrhoea (Shigellosis)	A	0	0	1	1	1	1	1	0	1	1	1	2	0	1	2	13	66	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	1	0	0	2	0	0	4	4	1	2	0	1	0	1	2	18	74	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Events of Public Health	Maternal Mortality	D	0	1	0	0	0	0	1	0	0	1	1	0	0	0	4	37		
	Neonatal Mortality	D	0	1	0	0	0	1	0	0	2	11	1	1	0	1	18	82		
	AEFI	A	0	0	0	0	2	2	6	1	0	0	0	1	0	0	12	41	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	1	0	1	0	1	0	0	0	0	0	3	25	3	
		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 Rabies (Suspected Human)	A	2	0	2	11	5	5	2	3	2	1	17	9	2	2	4	67	395	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	6	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 Tr	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		3	22	10	37	0	18	0	11	0	28	0	34	0	9	16	349	2019	25	

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

Epidemiological bulletin published with support from WHO and CDC

For comments or questions, please contact

Ralph W. Jetoh, MD, MPH
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.