



Liberia IDSR Epidemiology Bulletin

Epi-week 50 (Dec 11-17, 2023)

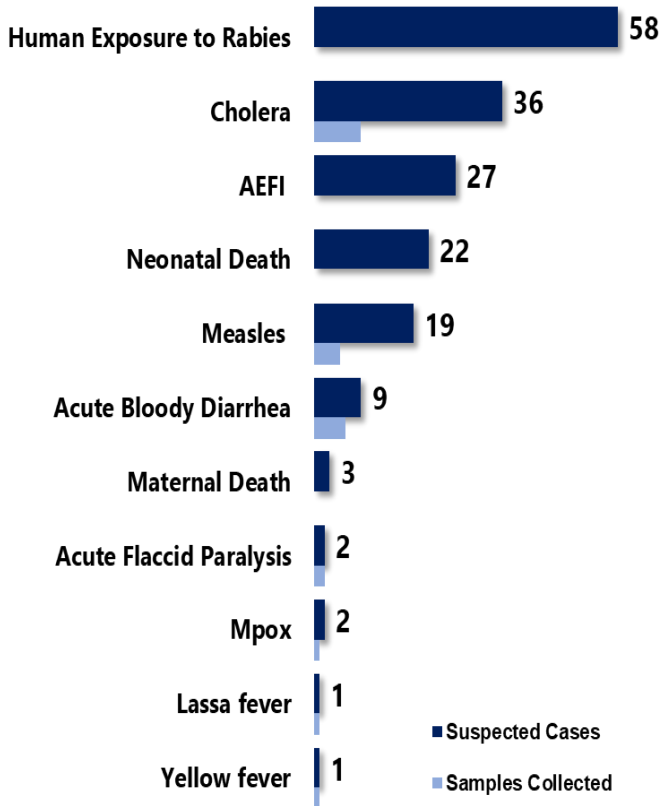
Country Population: 5,104,413

Volume 19 Issue 50 | Dec 11-17, 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 180 events of public health importance including 25 deaths reported
- ◆ Completeness and timeliness of health facility reports were both 99%
- ◆ Ongoing Lassa fever outbreak in 3 Counties
- ◆ Ongoing Measles outbreak in 1 Counties
- ◆ Ongoing Mpox outbreak in 2 Counties

Adverse Events Following Immunization/Adverse Drug Reaction (AEFI)

Reporting Coverage

Table 1: Health Facility Weekly IDSR Reporting Coverage, Liberia, Epi-week 50, 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	63	63	95	95
Maryland	28	25	25	89	89
Montserrado	418	418	418	100	93
Nimba	92	92	92	100	100
Rivercess	21	21	21	100	100
River Gee	20	20	20	100	100
Sinoe	41	41	41	100	100
Liberia	978	972	972	99	99

972(99%)
Health facilities reported IDSR data

98(100%)
Health districts reported IDSR data

972 (99%)
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
- ◆ All counties reported on time to the national level

Legend:



Vaccine-Preventable Diseases

Measles

- ☛ Nineteen (19) suspected cases were reported from 7 counties
- ☛ Five (5) specimens were collected and pending testing
- ☛ Five (5) persons were vaccinated

Table 2: Distribution of Measles cases per county and epi-classification, Liberia, Epi week 1-50, 2023

COUNTY	CUMULATIVE # SUSPECTED CASES	CUMULATIVE # CONFIRMED CASES	CLASSIFICATION OF CONFIRMED CASES			DEATHS	CFR (%)	# CONFIRMED CASES WEEK 50	# CONFIRMED CASES WEEK 50	% CHANGE
			Lab confirmed	Epi Linked	Clinically Compatible					
Bomi	80	68	2	13	53	0	0.0	0	0	0
Bong	210	210	3	6	201	1	0.5	0	0	0
Gbarpolu	43	42	0	0	42	0	0.0	1	0	-100
Grand Bassa	183	180	0	0	180	0	0.0	4	0	-100
Grand Cape Mount	78	69	1	2	66	0	0.0	0	1	0
Grand Gedeh	447	402	6	27	369	0	0.0	3	3	0
Grand Kru	748	741	10	72	659	2	0.3	0	1	0
Lofa	142	134	0	0	134	0	0.0	0	0	0
Margibi	201	199	1	8	190	0	0.0	0	0	0
Maryland	791	779	0	0	779	0	0.0	6	10	67
Montserrado	1110	1102	4	53	1045	2	0.2	2	2	0
Nimba	378	368	2	33	333	3	0.8	1	0	-100
River Gee	148	121	1	0	120	0	0.0	1	1	0
Rivercess	37	32	1	0	31	0	0.0	0	0	0
Sinoe	164	143	6	11	126	0	0.0	3	1	-67

Table 3: Vaccination Status of Measles Cases, Liberia, Epi-week 50, 2023

County	Vaccinated	Number of Doses Received		
		One Dose	Two Doses	Doses Not Indicated
Bomi	0	0	0	0
Bong	0	0	0	0
Gbarpolu	0	0	0	0
Grand Bassa	0	0	0	0
Grand Cape Mount	0	0	0	0
Grand Gedeh	0	0	0	0
Grand Kru	1	0	1	0
Lofa	0	0	0	0
Margibi	0	0	0	0
Maryland	1	1	0	0
Montserrado	2	2	0	0
Nimba	0	0	0	0
River Gee	0	0	0	0
Rivercess	0	0	0	0
Sinoe	1	0	1	0
National	5	3	2	0

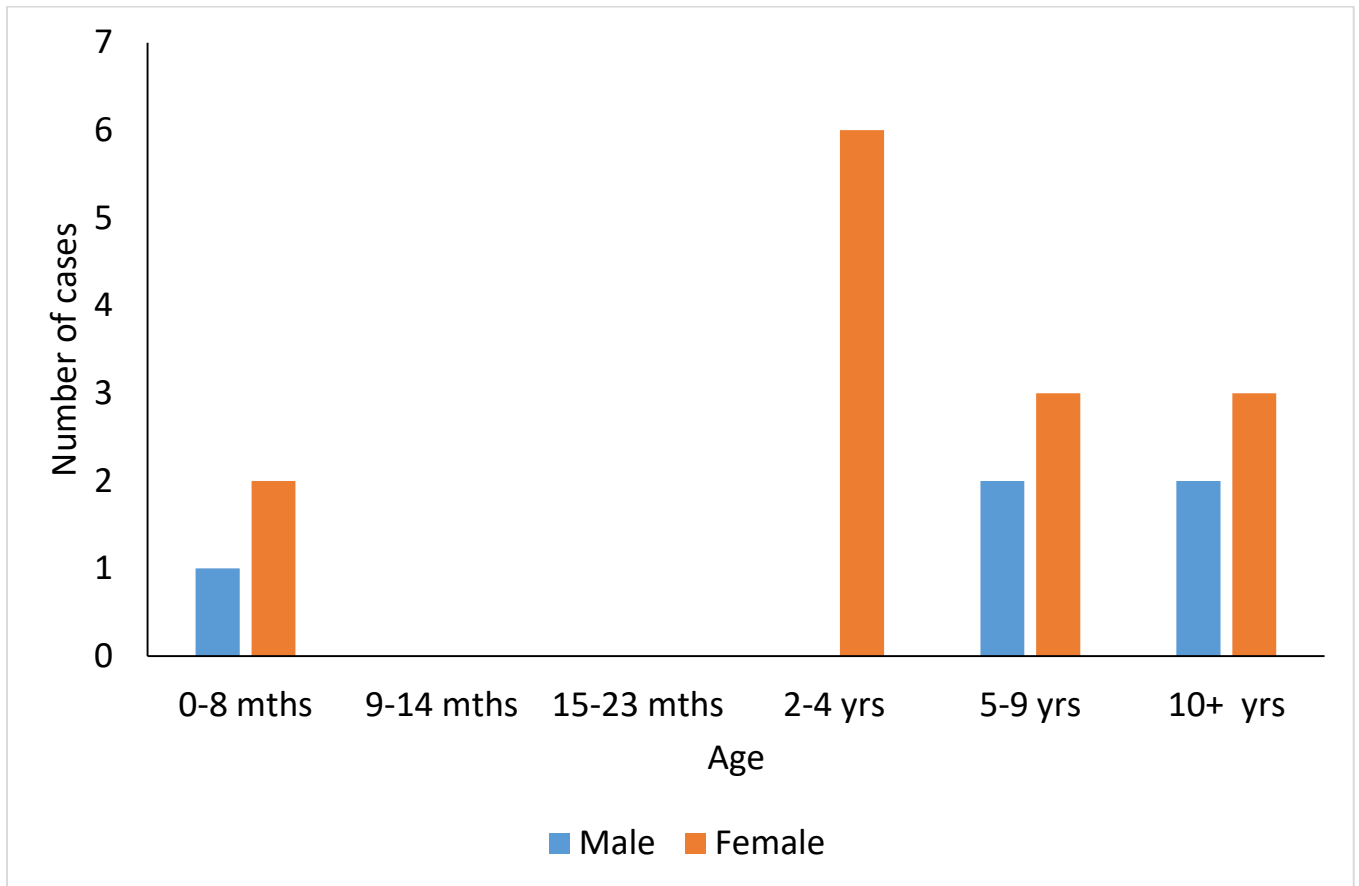


Figure 2: Distribution of Measles Cases by Age Group and Sex, Liberia Epi Week 50, 2023

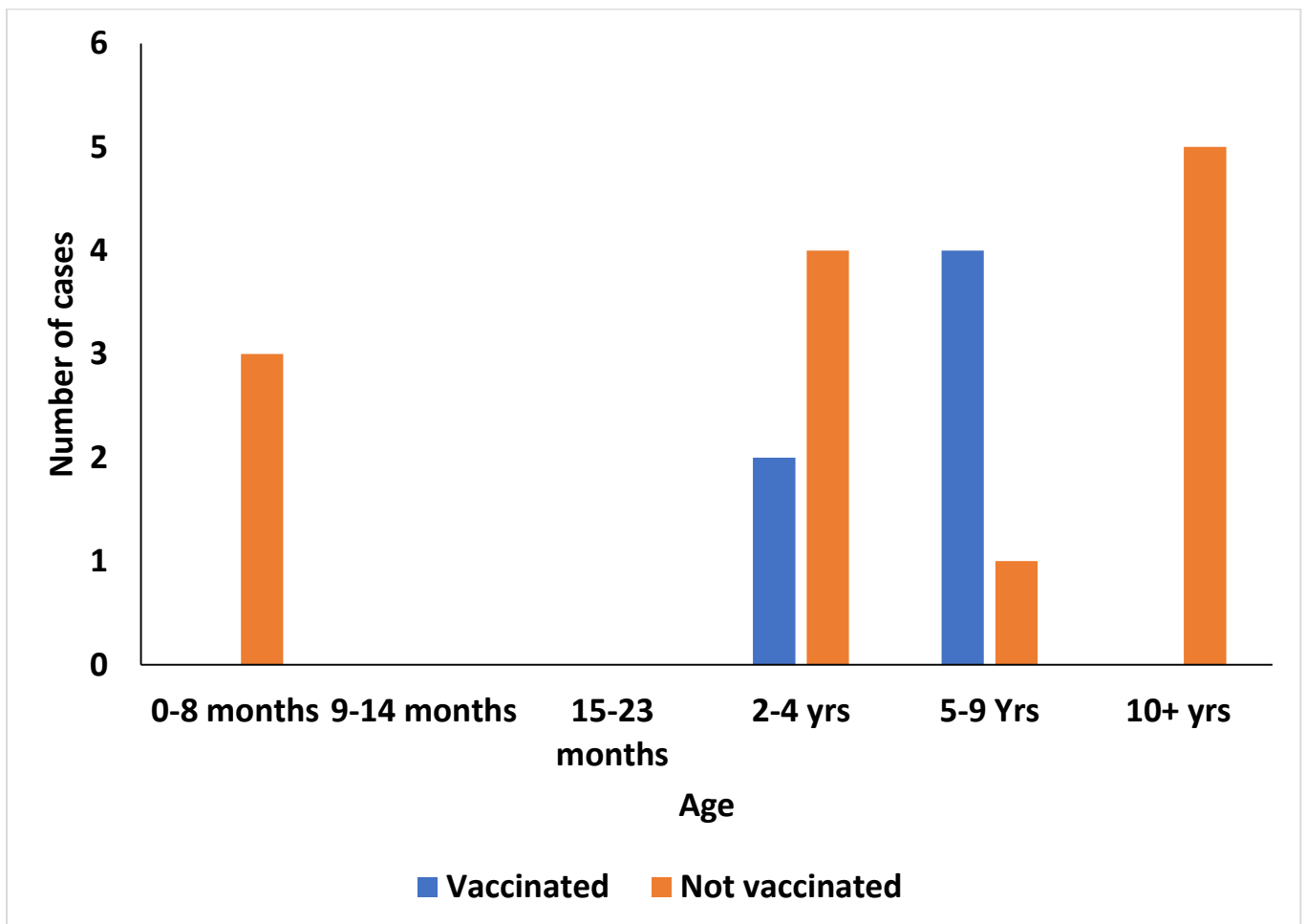


Figure 3: Vaccination Status of Suspected Measles Cases by Age Group, Liberia, Epi-Week 50, 2023

Table 4: Status of Confirmed Measles Cases by County, Liberia, December 13, 2021- December 20, 2023

County	Total Cases	Active	Recovery	Deaths	# of Districts
Montserrado	5,373	0	5,304	69	3/7
Nimba	1,110	0	1,106	4	3/6
Grand Bassa	924	0	917	7	0/8
Margibi	803	0	802	1	0/4
Bong	578	0	575	3	0/9
Maryland	1116	8	1108	0	2/6
Lofa	284	0	284	0	0/6
Grand Kru	965	0	963	2	0/5
Grand Cape Mount	187	0	184	3	0/5
Bomi	147	0	142	5	0/4
Rivercess	84	0	83	1	0/6
Gbarpolu	46	0	46	0	0/5
Grand Gedeh	508	0	508	0	0/6
River Gee	79	0	79	0	0/6
Sinoe	231	0	231	0	0/10
Total	12,435	8	12, 332	95	8/98

Outbreak

Table 5: Cumulative Distribution of Measles Cases and Deaths, December 13, 2021- December 20, 2023

COUNTY	CUMULATIVE SUSPECTED CASES	CUMULATIVE CONFIRMED CASES	CLASSIFICATION OF CONFIRMED CASES			CLASSIFICATION OF CONFIRMED DEATHS			CUMULATIVE DEATHS	CFR (%)	# CONFIRMED CASES WEEK 49	# CONFIRMED CASES WEEK 50	% Change	Outbreak Status
			Lab confirmed	Epi Linked	Clinically Compatible	Lab confirmed	Epi Linked	Clinically Compatible						
Montserrado	5, 456	5,373	145	1658	3, 570	3	61	5	69	1.3	2	0	-100	Ended
Nimba	1, 137	1110	37	187	886	0	1	3	4	0.4	0	0	-	Ended
Margibi	827	803	34	136	633	0	0	1	1	0.1	0	0	-	Ended
Grand Bassa	962	924	40	212	672	1	0	6	7	0.9	0	0	-	Ended
Lofa	353	284	32	66	186	0	0	0	0	0	0	0	-	Ended
Bong	603	578	22	21	535	0	1	2	3	0.5	0	0	-	Ended
Maryland	1136	1116	24	308	784	0	0	0	0	0	3	8	167	Ongoing
Grand Gedeh	652	508	34	48	426	0	0	0	0	0	0	0	-	Ended
Sinoe	284	231	36	84	111	0	0	0	0	0	0	0	-	Ended
Bomi	183	147	34	27	86	1	2	2	5	3	0	0	-	Ended
Grand Cape Mt	215	187	17	18	152	0	2	1	3	1.6	0	0	-	Ended
Grand Kru	994	965	22	106	837	0	0	2	2	0.2	0	0	-	Ended
Gbarpolu	67	46	4	2	40	0	0	0	0	0	0	0	-	Ended
Rivercess	112	84	23	54	7	0	1	0	1	1.1	0	0	-	Ended
River Gee	103	79	0	0	79	0	0	0	0	0	0	0	-	Ended
Total	13,085	12,435	504	2,927	9,005	5	68	22	95	7.8	5	8		

Public Health Response

I. Coordination

- ☞ IMS meetings are being held for coordination and mobilization of resources in response counties

II. Epidemiological Surveillance

- ☞ Active case search and contact tracing ongoing in Grand Kru County

III. Case management

- ☞ Case management ongoing in affected counties

IV. Immunization

- ☞ Routine immunization ongoing in all 15 counties

V. Laboratory

- ☞ Five hundred seven (507) cases have been confirmed by the National Public Health Reference Laboratory from December 13, 2021 – November 15, 2023

VI. Risk Communication and Community Engagement

- ☞ Community engagement health education ongoing

VII. Challenges

- ☞ Limited support for response in affected counties

Acute Flaccid Paralysis (AFP)

- ☞ Two (2) cases were reported from Montserrado
- ☞ Specimens were collected and shipped for testing
- ☞ Cumulatively, sixty-eight (68) cases were reported
 - Thirty-six (36) tested negative
 - Thirty-two (32) pending

Neonatal Tetanus

- ☞ Zero cases were reported
- ☞ Cumulatively, fifty-two (52) cases including 7 deaths reported

Influenza-Like Illnesses

Coronavirus Disease (COVID-19)

- ☞ Zero suspected cases were reported
- ☞ Cumulatively, Ninety-five (95) cases have been reported

Influenza

- ☞ Zero suspected cases were reported
- ☞ Cumulatively, one hundred sixty (160) suspected cases reported
 - Proportion cases with sample collected (155/160) 97%
 - Proportion of cases with sample tested (64/149) 43% and all negative

Viral Hemorrhagic Diseases

Lassa fever

- ☞ One (1) suspected case was reported from Bong County
- ☞ Specimen was collected and pending testing
- ☞ Cumulatively, two hundred twenty-nine (229) suspected cases reported

- Proportion of suspected cases with a sample collected (213/229) 93%
- Proportion of suspected cases with sample tested (209/213) 98% (confirmed 63, negative 146)
- Death in Confirmed cases 20 (CFR=31.7%)

Current Outbreak

- ☞ No new confirmed case reported
- ☞ A total of 175 contacts under follow up
- ☞ Cumulative Case Fatality Rate (CFR): (32/107) 30%
- ☞ Three counties currently in outbreak (Bong, Nimba, Montserrado)

Table 6: Summary of Lassa fever Outbreak, Liberia, January 6, 2022- December 20, 2023

County	Outbreak Districts	Outbreak Start Date	Total suspected cases	Total confirmed cases	Deaths in HCWs	Total Deaths	CFR %	Total Contacts	# HCW contacts	Contacts became cases	HCW became confirmed case	Contacts under follow up	Contacts completed	Days in countdown	Outbreak Status
Montserrado	Bushrod	13-Feb-23	15	2	0	1	50%	29	21	0	0	0	29	Completed	Over
	Central Monrovia	3-Mar-23	29	1	0	1	100%	28	27	0	0	0	28	Completed	Over
Bong	Suakoko	21-Apr-23	155	45	2	9	20%	473	191	6	18	44	366	Active	Ongoing
	Sanoyea	19-Sep-23	2	2	0	1	50%	36	18	0	0	0	37	Active	Ongoing
	Kokoya	3-Oct-23	1	1	0	0	0%	5	0	0	0	5	0	Active	Ongoing
	Jorquellah	15-Oct-23	12	13	1	3	23%	121	86	3	3	41	128	Active	Ongoing
Grand Bassa	District 3A&B	21-Aug-23	86	32	0	9	28%	177	40	40	0	0	159	Completed	Over
	Buchanan	11-Aug-23	2	1	0	1	100%	4	2	0	0	0	0	Completed	Over
Nimba	Sannique-lie-Mah	6-Feb-23	42	2	0	0	0%	43	35	8	0	0	43	Completed	Over
	Tappita	20-Nov-23	14	3	0	3	100%	58	29	4	0	22	36	Active	Ongoing
	Yarwin Mehnssoh	5-Dec-23	1	1	0	1	100%	14		0	0	14	0	Active	Ongoing
	Bain-Garr	1-Jun-23	10	3	0	3	100%	61	25	0	0	0	31	Completed	Over
Montserrado	Central Monrovia	27-Nov-23	1	1	0	0	0%	49	0	0	0	49	0	Active	Ongoing
Total			370	107	3	32	30%	1098	474	61	21	175	857		

Public Health Measures

- The National Public Health Institute of Liberia (NPHIL) and the Ministry of Health (MOH) are Providing technical support to the surveillance (i. e. guidance on case investigation, contact tracing, sitrep development, etc.)

I. Surveillance:

- Active case search and contact tracing ongoing in affected communities and districts
- Development and dissemination of weekly sit-reps by affected counties

II. Laboratory

- The National Public Health Reference Laboratory continues testing of Lassa fever samples
- A total of 96 Lassa fever cases have been confirmed since this outbreak

III. Case management and IPC

- Cases isolated and managed at designated facilities
- Ribavirin supply in country are being distributed for treatment of Lf cases to affected counties

IV. Environmental and Vector Control

- Clean-up campaigns and rodent control measures is ongoing Bong County

V. Risk Communication and Community Engagement

- Risk communication and community engagement ongoing in affected and surrounding communities

Yellow fever

- ☞ One (1) suspected case was reported from Grand Bassa County
- ☞ Specimen was collected and pending testing
- ☞ Cumulatively, one hundred ten (110) suspected cases were reported
 - Three (3) samples (3/91) 3% not transported (Epi week 5 from Grand Gedeh, River Gee, and Grand Kru Counties)
 - Proportion of suspected cases with samples collected (92/110) 84%
 - The proportion of samples tested is (71/92) 77%
 - The proportion of samples pending testing is (18/92) 20%

Dengue Fever

- ☞ Zero suspected case was reported
- ☞ Cumulatively, three (3) suspected cases were reported

Ebola Virus Disease

- ☞ Zero cases were reported

Diarrheal Diseases

Acute Bloody Diarrhea (Suspected Shigellosis)

- ☞ Nine (9) cases were reported from Grand Gedeh (3), Rivercess (2), Grand Kru (1), Sinoe (1), Bong (1), and Nimba (1) Counties
- ☞ Six (6) specimens were collected and pending testing
- ☞ Cumulatively, seven hundred thirteen (713) cases reported
 - Two hundred eighty-one (281) specimens were collected
 - 158 tested negative
 - 3 Confirmed
 - 26 specimens rejected by NPHRL
 - 94 not tested

Severe Acute Watery Diarrhea (Suspected Cholera)

- ☞ Thirty-six (36) suspected cases were reported from Grand Bassa (29), Grand Kru (3), Maryland (1), Margibi (1), Bong (1), and River Gee (1) Counties
- ☞ Nine (9) specimen were collected and pending testing
- ☞ Cumulatively, nine hundred thirteen (913) cases reported
 - Two hundred ninety-nine (299) specimens were collected
 - 117 tested negative
 - 12 specimens rejected by NPHRL
 - 170 not tested

Other Reportable Diseases

Animal bite (Human Exposure to Rabies)

- ☞ Fifty-eight (58) animal bites were reported

Table 7: Distribution of Animal Bite Cases and PEP Administration per County, Liberia, Epi week 50, 2023

Counties	Cases	Person receiving PEP	PEP doses administered	Cumulative cases (Wk 1-50)	Cumulative PEP administered (Wk 1-50)
Bomi	1	0	0	66	33
Bong	5	2	2	219	92
Gbarpolu	0	0	0	35	1
Grand Bassa	3	0	0	281	30
Grand Cape Mount	0	0	0	73	42
Grand Gedeh	0	0	0	117	16
Grand Kru	9	0	0	276	15
Lofa	3	1	1	234	91
Margibi	1	1	1	199	84
Maryland	2	1	1	206	77
Montserrado	18	2	2	1007	256
Nimba	8	1	0	619	165
Rivercess	4	3	3	50	67
River Gee	1	0	0	136	0
Sinoe	3	0	0	151	6
Total	58	11	10	3669	975

Public Health Actions

- ☞ Ongoing monitoring and follow-up of cases

Meningitis

- ☞ Zero suspected cases were reported
- ☞ Cumulatively, thirty-nine (39) suspected cases reported
 - Proportion of suspected cases with samples collected (32/39) 82%
 - Proportion of sample tested (28/32) 88%
 - 24 negative and 4 positive (Streptococcal-3 & Hemophilus Influenza)

Mpox

- ☞ Two (2) suspected cases reported from Grand Kru (1), and Grand Cape Mount Counties
- ☞ One specimen was collected and pending testing
- ☞ Cumulatively, one hundred sixty (160) suspected cases reported
 - Twenty-one (21) confirmed

Unexplained cluster of deaths

- ☞ Zero cases reported

Events of Public Health Importance

Maternal Mortality

- ☞ Three (3) deaths were reported from Montserrado (2), and Nimba (1) Counties
- ☞ Reported causes: PPH (1), Obstructed labor (1) and Rupture Uterus (1)
- ☞ Reporting Site:
 - Health Facility (3) 100%
- ☞ Cumulatively, two hundred ninety-six (296) deaths reported
 - Proportion of death reviewed (74/296) 25%
 - Proportion of community death (32/296)11%

Neonatal Mortality

- ☞ Twenty-two (22) deaths were reported from Montserrado (17), Sinoe (2) Nimba (2) and Rivercess (1) Counties
- ☞ Reported causes: Birth Asphyxia (12), Sepsis (5) prematurity (4), and 1 pending review
- ☞ Reporting site:
 - Health facility: (21) 95%
 - Community: (1) 5%
- ☞ Cumulatively, seven hundred fifty-one (751) deaths reported

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

- ☞ Twenty-seven (27) cases were reported: Montserrado (8), Grand Kru (5), Sinoe (4), Grand Cape Mount (3), River Gee (3), Gbarpolu (2), Maryland (1), and Lofa (1) Counties
- ☞ All reported cases were classified as non-serious
- ☞ Related vaccine:
 - Penta (13/27) 48%
 - TCV (5/27) 19%
 - Others (9/27) 33%
- ☞ Cumulatively, one thousand thirty-five (1035) events were reported and COVID-19 accounted for (243/1035) 23%

Neglected Tropical Diseases

YAWS

- ☞ Zero cases were reported
- ☞ Cumulatively, two hundred fifty-six (256) cases have been reported

Buruli Ulcer

- ☞ Zero cases were reported
- ☞ Cumulatively, one hundred seventy-one (171) cases have been reported

Border Surveillance Update

A total of 5777 travelers were recorded for the week with incoming travelers accounting for (2731/5777) 47%

Table 8: Border activity at the PoE for incoming and outgoing travelers, Liberia, Epi week 50, 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	153	83	73	15	0	0	0	0	0	20
	Robert Int'l Airport	4359	2114	2245	4340	15	0	5	0	0	4317
Seaport	Freeport of Monrovia	38	19	19	0	0	0	0	0	0	38
	Buchanan Port	38	19	19	38	0	0	0	0	0	38
Land Crossing	Bo Water Side	675	231	444	663	2	2	10	0	0	631
	Ganta	340	170	170	13	2	2	0	0	0	34
	Yekepa	73	42	31	26	0	0	0	0	0	36
	Loguatu	101	53	48	74	0	0	0	0	0	25
Total		5,777	2,731	3,049	5,169	19	4	15	0	0	5,139

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

Public Health Measures

National level

- ☞ Continue to distribute surveillance weekly ledgers and triplicate Lab alert and submission forms to the counties
- ☞ Providing remote technical and operational support to counties
- ☞ Produced and disseminated situation reports (Lassa fever, Measles, and Mpox outbreaks)

County-level

☞ Surveillance

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

☞ Case Management

- Administration of PEP
- Management of measles and Lassa fever cases ongoing in affected counties

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	11	6	6	10	98			
No. of Health District Reported		4	9	5	8	5	6	5	6	4	6	7	11	6	6	10	98			
Vaccine Preventable Diseases	Acute Flaccid Paralysis (Suspected Polio)	A	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	32	0	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Measles	A	0	0	0	0	1	3	1	0	0	10	2	0	0	1	1	19	4,760	504
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	2
	Neonatal Tetanus	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0
Yellow fever	A	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	110	0	
	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Viral Hemorrhagic Fevers	Dengue fever	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	190	44
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	19
Influenza-Like Illnesses	COVID-19	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
	Influenza Like Illnesses	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	154	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	0	0	3	1	0	0	0	0	1	2	0	1	9	878	3	
		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	1	0	29	0	3	0	1	1	0	0	0	1	0	36	906	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	0	0	0	2	1	0	0	0	3	289		
	Neonatal Mortality	D	0	0	0	0	0	0	0	0	0	17	2	1	0	2	22	743		
	AEFI	A	0	0	2	0	3	0	5	1	0	1	8	0	0	3	4	27	1008	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	0	1	0	1	0	0	0	0	0	0	0	0	2	158	21	
		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	1	5	0	3	0	0	9	3	1	2	18	8	4	1	3	58	3,616	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	39	4
		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	1	0
Neglected Tropical Diseases	Buruli Ulcer	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	119	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	241	4
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL		1	8	2	33	0	6	0	4	0	14	0	12	0	6	11	180	13362	95	

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%). 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: ≥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

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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.