



Liberia IDSR Epidemiology Bulletin

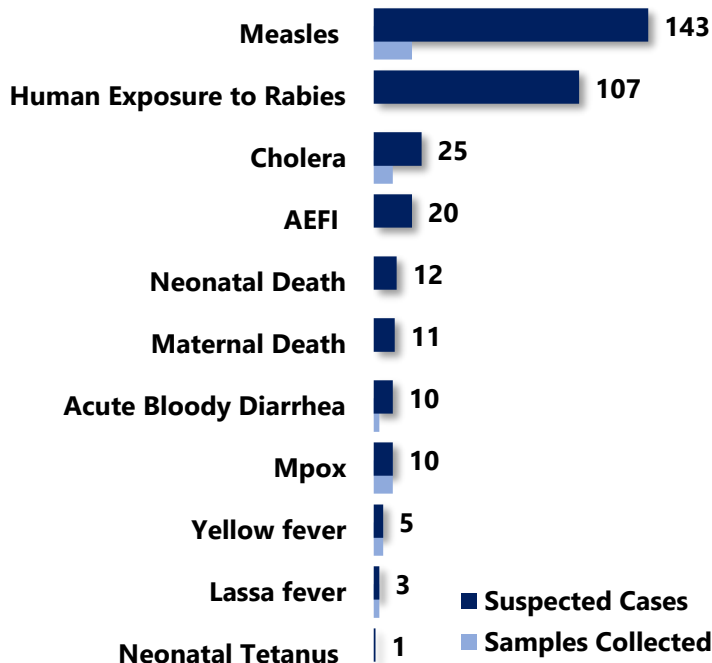
Epi-week 17 (April 24-30, 2023)

Country Population: 5,104,413 | Volume 18 Issue 17 | April 24-30, 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 **347 events** of public health importance including **24 deaths** reported
- ◆ **Completeness and timeliness** of health facility reports were **98%** and **98%**
- ◆ **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 (AEFI)

Reporting Coverage

Table 1: Health Facility Weekly IDSR Reporting Coverage, Liberia, Epi-week 17, 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	96	96
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	978	963	963	98	98

963(98%)
Health facilities reported IDSR data

98(100%)
Health districts reported IDSR data

963 (98%)
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: ≥80 <80

Vaccine-Preventable Diseases

Measles

- One hundred forty-three (143) suspected cases were reported from 13 Counties (see distribution in table 2)
- Twenty (20) specimens collected and pending testing
- Ninety-one (91) were vaccinated (see distribution in table 3)

Table2: Distribution of Measles cases per county and epi-classification, Liberia, Epi week 17, 2023

COUNTY	CASES WEEK 17	Lab confirmed EPI WEEK 17	CLASSIFICATION OF CONFIRMED CASES, EPI WEEK 1-17			DEATHS	CFR (%)	CUMULATIVE # SUSPECTED CASES, EPI WEEK 1-17	CUMULATIVE # CONFIRMED CASES, EPI WEEK 1-17
			Lab confirmed	Epi Linked	Clinically Compatible				
Bomi	2	0	2	13	44	0	0.0	68	59
Bong	5	0	2	6	150	1	0.6	158	158
Gbarpolu	0	0	0	0	28	0	0.0	29	28
Grand Bassa	5	0	0	0	130	0	0.0	132	130
Grand Cape Mount	1	0	1	2	47	0	0.0	58	50
Grand Gedeh	15	0	4	26	113	0	0.0	186	143
Grand Kru	20	0	6	72	544	2	0.3	624	622
Lofa	5	0	0	0	55	0	0.0	63	55
Margibi	11	0	1	8	155	0	0.0	166	164
Maryland	15	0	0	0	430	0	0.0	432	430
Montserrado	46	0	4	53	694	0	0.0	759	751
Nimba	7	0	2	33	187	3	1.4	224	222
River Gee	6	0	0	0	63	0	0.0	83	63
Rivercess	2	0	1	0	25	0	0.0	31	26
Sinoe	3	0	4	11	47	0	0.0	76	62
Grand Total	143	0	27	224	2,712	6	3	3,089	2,963

Table 3: Vaccination Status of Measles Cases, Liberia, Epi week 17, 2023

County	Vaccinated	Number of Doses Received		
		One Dose	Two Doses	Doses Not indicated
Bomi	2	2	0	0
Bong	3	2	0	1
Gbarpolu	0	0	0	0
Grand Bassa	4	0	1	3
Grand Cape Mount	1	1	0	0
Grand Gedeh	8	8	0	0
Grand Kru	4	3	1	1
Lofa	5	3	2	0
Margibi	7	7	0	0
Maryland	2	2	0	0
Montserrado	38	32	3	3
Nimba	7	3	0	4
River Gee	6	0	0	6
Rivercess	1	1	0	0
Sinoe	3	2	0	1
Grand Total	91	66	7	19

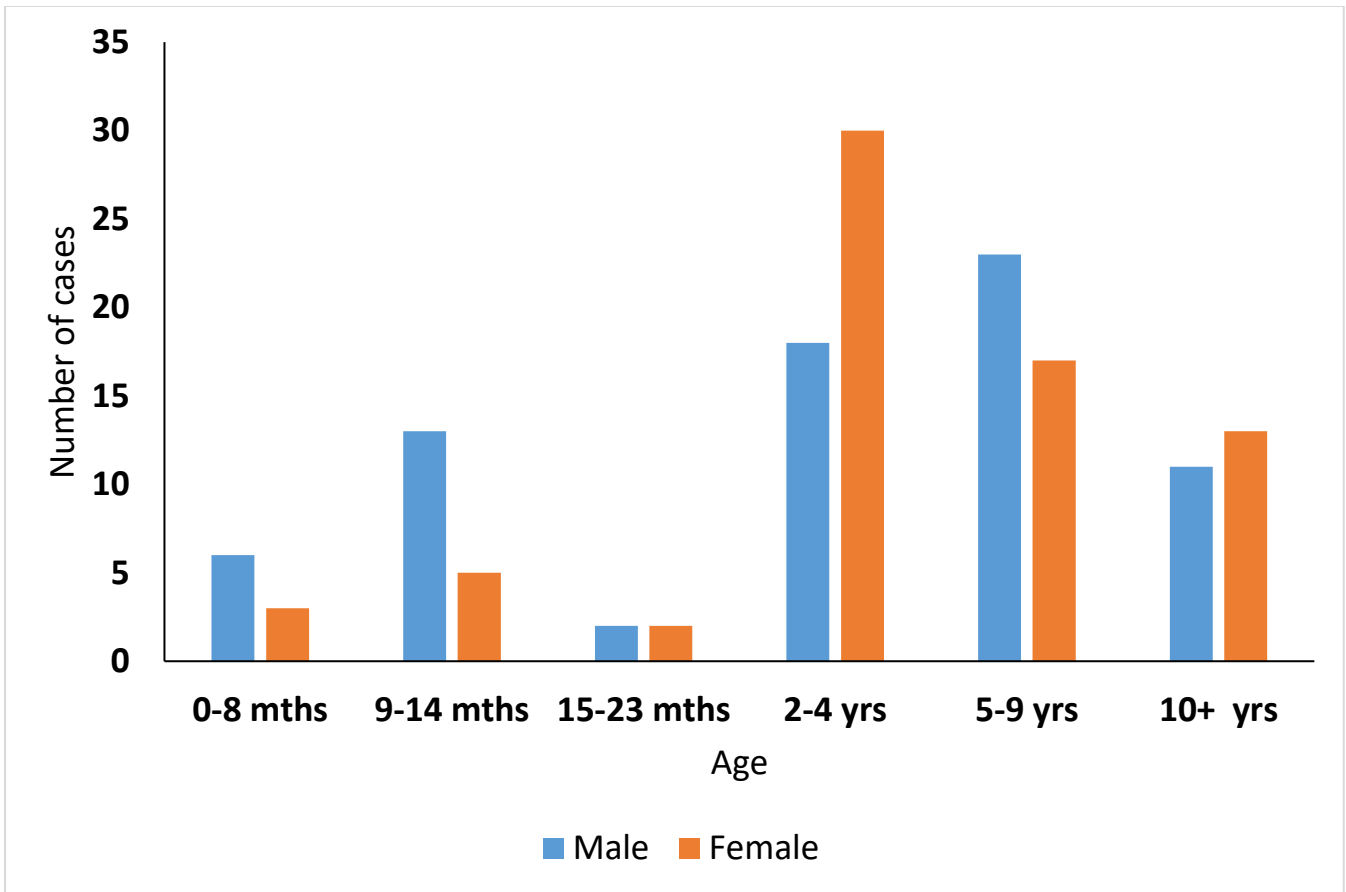


Figure 2: Distribution of Measles Cases by Sex, Liberia Epi Week 17, 2023

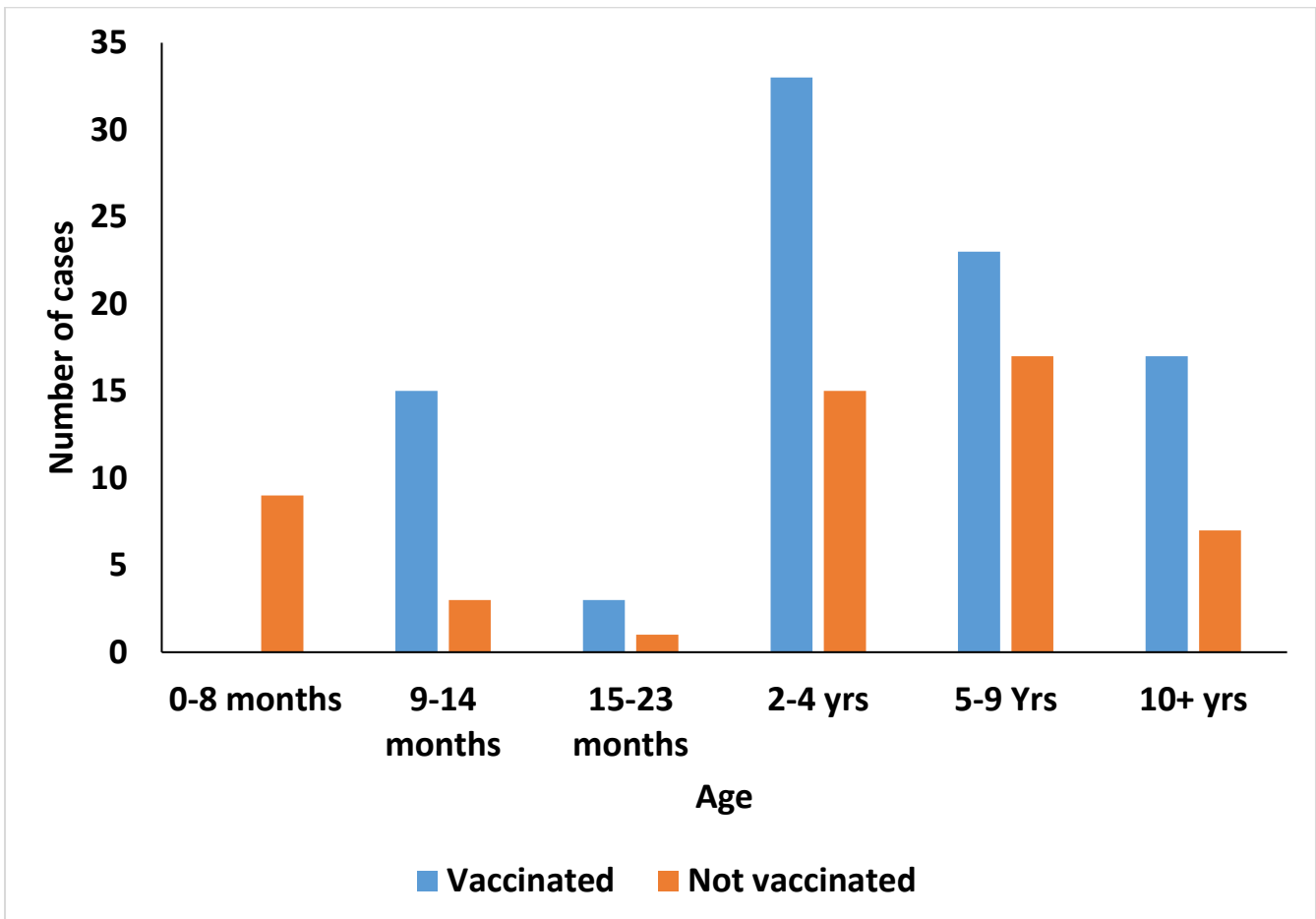


Figure 3: Vaccination Status of Suspected Measles Cases by Age group, Liberia, Epi-Week 17, 2023

Table 4: Cumulative Distribution of Measles Cases and Deaths, December 13, 2021- April 30, 2023

COUNTY	CUMULATIVE SUSPECTED CASES	CUMULATIVE CONFIRMED CASES	CLASSIFICATION OF CONFIRMED CASES			CLASSIFICATION OF CONFIRMED DEATHS			CUMULATIVE DEATHS	CFR (%)	# CONFIRMED CASES WEEK 16	# CONFIRMED CASES WEEK 17	% CHANGE	Outbreak Status
			Lab confirmed	Epi Linked	Clinically Compatible	Lab confirmed	Epi Linked	Clinically Compatible						
Montserrat	5,117	5,051	145	4,449	460	3	61	3	67	1.6	53	46	-13	Ongoing
Nimba	983	953	39	837	77	0	0	4	4	0.1	14	7	-50	Ongoing
Margibi	766	743	34	663	46	0	1	0	1	0	3	11	-267	Ongoing
Grand Bassa	891	854	40	677	137	1	6	0	7	1	6	5	-17	Ongoing
Lofa	297	236	32	141	63	0	0	0	0	0	5	4	-121	Ongoing
Bong	525	503	21	413	69	0	1	2	3	0.6	7	5	-40	Ongoing
Maryland	795	787	22	661	104	0	0	0	0	0	17	15	-12	Ongoing
Grand Gedeh	415	298	34	113	151	0	0	0	0	0	12	15	25	Ongoing
Sinoe	240	185	36	58	91	0	0	0	0	0	2	2	-	Ongoing
Bomi	177	151	35	72	44	1	2	2	5	7.4	12	2	-83	Ongoing
Grd Cape Mt	184	161	17	116	28	0	2	1	3	2.7	1	1	-	Ongoing
Grand Kru	904	832	22	635	175	0	2	0	2	0	45	20	-56	Ongoing
Gbarpolu	86	72	5	60	7	0	0	0	0	0	0	0	-	Ongoing
Rivercess	102	84	23	54	7	0	1	0	1	1.3	0	0	-	Ended
River Gee	51	41	3	0	38	0	0	0	0	0	7	6	-14	Ongoing
Total	11,533	10,951	508	8,946	1,497	5	76	12	93	1.5	184	139		

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 affected counties (Grand Kru, Montserrado, Grand Gedeh, River Gee, Margibi, and Bong).
- Active case search
- Line listing of cases

III. Case management

- Patients were managed at health facilities and sent for home-based isolation (Grand Gedeh, Maryland, Grand Kru, and Nimba).

IV. Immunization

- Mini campaign in Grand Gedeh County still pending
- Target age group 7-59 months
- Targeted number of children to be vaccinated: 5,927

V. Laboratory

- Specimens were collected from 10 districts in 8 counties for testing (Grand Kru- Barclayville and Trehn, Grand Gedeh- Putu, Konobo, Cavalla, B’hai, and Tchien, River Gee- Gbeapo, Potupo, Sarbo, and Webbo, Sinoe- Jedepo, Greenville, Kpanyan, and Tarjuwon, Lofa- Foya, Grand Cape Mount- Commonwealth C, Margibi- Kakata, Mamba-Kaba, and Gibi).
- Five hundred twenty-one cases have been confirmed by the laboratory from December 13, 2021 –April 30, 2023.

VI. Risk Communication and Community Engagement

- A five-day community engagement activity completed in affected and surrounding communities from April 20-24, 2023 in Grand Gedeh County. The activity was supported by Last Mile Health

Challenges

- Lack of essential medications and medical supplies for case management (Grand Gedeh County)
- No movement and communication support for surveillance team for field work (Grand Gedeh County)
- Delay lab result from NPHRL
- Lack of budget support for response (Grand Gedeh)
- Resident DSO (Tchien District, Grand Gedeh County) motor bike is in deplorable condition, needs repair or to be replaced

Acute Flaccid Paralysis (AFP)

- 📊 Zero cases reported
- 📊 Cumulatively, twenty-two (22) cases were reported
 - Ten (10) tested negative
 - Twelve (12) pending

Neonatal Tetanus

- 📊 One (1) new case reported from Montserrado County
- 📊 Cumulatively, twenty-five (25) cases including 3 deaths 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

Influenza

- 📊 Zero suspected case was reported
- 📊 Cumulatively, 39 suspected cases reported

Viral Hemorrhagic Diseases

Lassa fever

- 📊 Three (3) suspected cases were reported from Bong (2 including 1 death) and Nimba (1) Counties
- 📊 Specimens were collected: 2 tested negative and 1 positive (Bong)
- 📊 Cumulatively, one hundred three (103) suspected cases reported
 - Proportion of suspected cases with a sample collected (91/103) 88%
 - Proportion of suspected cases with sample tested (91/91) 100%

Current Outbreak

Lassa fever disease

- 📊 One (1) new confirmed case was reported from Bong County
- 📊 Thirty-nine (39) contacts under 21 days' follow-up
- 📊 Cumulatively, seventy-three (73) laboratory-confirmed cases including 19 deaths reported (CFR=26%)

Table 5: Summary of Confirmed case, Epi-week 17, 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 specimen received Lab.	Date ribavirin initiated	Date case confirmed	Total contacts generated	Total HCWs contacts	Epi Link
12 yrs	M	Dead	Student	Phebe Airstrip	Suakoko	Bong	17-Apr-23	19-Apr-23	Phebe hosp	23-Apr-23	24-Apr-23	24-Apr-23	19-Apr-23	27-Apr-23	16	3	No

Table 6: Summary of Lassa fever Outbreak, Liberia, Jan. 6, 2022 – April 30, 2023

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
Bushrod	13-Feb-23	2	2	0	1	50%	29	21	0	0	0	29	Completed	Over
Central Monrovia	3-Mar-23	1	1	0	1	100%	28	27	0	0	0	28	42	Ongoing
Suakoko	21-Apr-23	35	30	1	5	50%	284	136	6	4	31	253	Active	Ongoing
Sanoyea	5-Apr-22	6	2	0	2	100%	19	13	0	0	0	19	Completed	Over
Jorquelleh	6-Jan-22	22	8	1	2	25%	94	61	3	3	0	94	Completed	Over
District 3A&B	9-Sep-22	52	27	0	7	26%	147	28	2	0	8	139	Active	Ongoing
Saclepea-Mah	13-Mar-23	1	1	0	1	100%	36	32	4	0	0	36	39	Ongoing
Sanniquelle-Mah	2-Feb-23	10	2	0	0	0%	43	35	8	0	0	43	Completed	Over
8		129	73	2	19	26%	680	353	23	7	39	641		

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

- ☞ Five (5) cases were reported from Bomi (2), Grand Gedeh (1), Rivercess (1), and Maryland (1) Counties
- ☞ Five specimens were collected but one (1) was not transported from Maryland County
- ☞ Cumulatively forty-one (41) suspected cases reported
 - Proportion of suspected cases with samples collected (35/41) 85%
 - 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 (18/35) 51%
 - Negative- 18

- Pending testing -17

Ebola Virus Disease

☞ Zero suspected case was reported

Diarrheal Diseases

Acute Bloody Diarrhea (Suspected Shigellosis)

- ☞ Ten (10) cases were reported from Montserrado (2), Lofa (2), Sinoe (1), River Gee (1), Maryland (1), Margibi (1), Grand Kru (1), and Grand Gedeh (1) Counties
- ☞ Three (3) specimens were collected and pending testing
- ☞ Cumulatively, two hundred nineteen (219) cases were reported
 - Ninety-five (95) specimens were collected
 - 44 negative
 - 7 specimens rejected
 - Twelve (12) specimens were not transported in epi weeks 8, 12 & 16

Severe Acute Watery Diarrhea (Suspected Cholera)

- ☞ Twenty-five (25) cases were reported: Lofa (6), Maryland (5), Grand Kru (3), Rivercess (3), Montserrado (2), Bong (2), Nimba (2), River Gee (1), and Sinoe (1) Counties
- ☞ Ten (10) specimens were collected but 4 not transported
- ☞ Cumulatively, two hundred ninety-nine (299) cases reported
 - Ninety-two specimens collected
 - 41 tested negative
 - 30 not tested
 - 7 rejected
 - Fourteen (14) specimens were not transported in epi weeks 8, 12, 16, & 17

Other Reportable Diseases

Animal bite (Human Exposure to Rabies)

☞ One hundred seven (107) animal bites were reported:

Table 7: Distribution of Animal bite cases and PEP administration per county, Liberia, Epi week 17, 2023

Counties	Cases	Person receiving PEP	PEP doses administered	Cumulative cases (Wk 1-17)	Cumulative PEP administered (Wk 1-17)
Bomi	1	1	1	23	12
Bong	11	7	7	92	41
Gbarpolu	0	0	0	10	0
Grand Bassa	9	1	1	85	5
Grand Cape Mount	2	2	2	31	16
Grand Gedeh	3	2	2	40	4
Grand Kru	9	0	0	95	15
Lofa	2	2	2	84	26
Margibi	6	3	3	67	35
Maryland	3	1	1	46	17
Montserrado	33	8	8	264	90
Nimba	12	3	3	125	40
Rivercess	2	2	2	22	13
River Gee	7	0	0	40	0
Sinoe	7	0	0	44	2
Total	107	32 (30%)	32	1068	316

Legend

1-2 doses

3-4 doses

5 doses

Public Health Actions

☞ Ongoing monitoring and follow-up of cases

Meningitis

- ☞ Zero case was reported
- ☞ Cumulatively, sixteen (16) suspected cases reported
 - Proportion of suspected cases with samples collected (14/16) 88%
 - Proportion of sample tested (10/14) 71%

Mpox

- ☞ Ten (10) cases were reported from Nimba (3), Sinoe (2), Grand Bassa (2), Montserrado (1), Grand Cape Mount (1), and Rivercess (1) counties
- ☞ Specimens were collected: 4 tested negative
- ☞ Cumulatively, sixty-two (62) suspected cases reported
 - Twelve (12) confirmed

Outbreak

Mpox:

- ☞ Three (3) new confirmed cases were reported Nimba and Sinoe Counties
- ☞ Total confirmed cases reported: 12
- ☞ Total contacts under follow-up: 76
- ☞ Counties currently in outbreak: 2

Table 8: Summary of Mpox Outbreak, Liberia, Dec 5, 2022 – April 30, 2023

County	Outbreak Districts	Outbreak Start Date	Total suspected cases	Total confirmed cases	Total confirmed in HCWs	Deaths in HCWs	Total Deaths	CFR %	Total Contacts	# HCW contacts	Contacts_became cases	Contacts under follow up	Contacts completed	Days in countdown	Outbreak Status
Bomi	Senjeh District	25-Jul-22	5	1	0	0	1	100%	15	0	0	15	15	Completed	Over
	Central "C"	5-Dec-22	3	2	0	0	0	0%	16	2	0	0	0	Completed	Over
Rivercess	Jo-River	22-Feb-23	1	1	0	0	0	0%	6	2	0	0	6	Completed	Over
	Salayea	22-Dec-22	8	2	0	0	0	0%	13	0	0	13	13	Completed	Over
Cape Mount	Senjeh	25-Jul-22	5	1	0	0	1	100%	15	0	0	15	15	Completed	Over
	Garwula	22-Feb-23	2	2	0	0	0	0%	6	0	1	0	6	Completed	Over
Nimba	Boe Quilla	5-Apr-23	4	1	0	0	0	0%	25	4	0	25	0	Active	Ongoing
Sinoe	Kpanyan	18-Apr-23	11	1	0	0	0	0%	37	0	0	8	37	Active	Ongoing
Gbarpolu	Belle	17-Mar-23	2	1	0	0	0	0%	7	0	0	0	7	24	Ongoing
Total	9		41	12	0	0	2	17%	140	8	1	76	99	24	

Public Health Measures

I. Coordination

- National Public Health Institute of Liberia (NPHIL) and Ministry of Health (MOH) and partners are providing technical support to the County Health Teams

II. Epidemiological Surveillance

- Active case search, case investigation, and contact tracing are ongoing in affected and neighboring communities and districts
- Daily monitoring of contacts ongoing by the surveillance team

III. Laboratory

- Ongoing testing of Mpox samples
- **Twelve (12) Mpox** cases have been confirmed

IV. Risk Communication and Community Engagement

- Community engagement and awareness 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

Eleven (11) deaths were reported from Montserrado (5), Grand Bassa (2) Nimba (2), G. Cape Mount (1), and Grand Kru (1), Counties

Reported causes: PPH (6), Sepsis (2), prolong labor (1), hypertension (1), and amniotic fluid embolism (1)

Reporting Site:

Health facility (10) 91%

Community (1) 9%

Cumulatively, one hundred-nine (109) deaths reported

- Proportion of death reviewed (26/109) 24%
- Proportion of community death (15/109)14%

Neonatal Mortality

Twelve (12) deaths were reported: Montserrado (10), Margibi (1), and Rivercess (1) Counties

Reported causes: Birth Asphyxia (7), Neonatal sepsis (4), Prematurity (1)

Reporting sites:

- All deaths occurred at the health facility

Cumulatively, two hundred fifty (250) deaths reported

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

Twenty (20) cases were reported from Sinoe (12), Lofa (2), Grand Bassa (2), Grand Gedeh (2), Rivercess (1), and Maryland (1) Counties

All reported cases were non-serious

Related vaccine:

- COVID-19/J&J (5/20) 25%
- Measles (5/20) 25%
- Others (10/20) 50%

Cumulatively, two hundred forty-nine (249) events were reported and COVID-19 accounted for (123/249) 49%

Border Surveillance Update

A total of 5,324 travelers were recorded for the week with incoming travelers accounting for 49% (2,590/5,324)

Table 9: Border activity at the PoE for Incoming and Outgoing Travelers, Liberia, Epi week 17, 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	180	108	72	20	0	0	0	0	0	20
	Robert Int'l Airport	3724	1726	1998	3643	73	0	13	0	0	3658
Seaport	Freeport of Monrovia	168	84	84	168	0	0	0	0	0	168
	Buchanan Port	122	61	61	122	0	0	0	0	0	122
Land Crossing	Bo Water Side	601	336	265	591	0	10	0	0	0	566
	Ganta	380	190	190	85	0	4	0	0	0	105
	Yekepa	64	44	20	29	0	0	0	0	0	41
	Loguatu	85	41	44	74	0	0	0	0	0	68
Total		5,324	2,590	2,734	4,732	73	14	13	0	0	4,748

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

Public Health Measures

National level

- 📌 Community engagement on Lassa fever ongoing in Grand Bassa County
- 📌 IDSR data harmonization ongoing in Bong and Montserrado Counties

County-level

📌 Coordination

- 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 and Lassa fever 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	15	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Measles	A	2	5	0	5	1	15	20	5	11	15	46	7	2	6	3	143	2,963	27
		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	1	0	0	0	0	1	22	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
	Yellow fever	A	2	0	0	0	0	1	0	0	0	1	0	0	1	0	0	5	41	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Viral Hemorrhagic	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	1	0	0	0	0	0	0	0	0	0	1	0	0	0	2	77	20
		D	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	14	8
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	0	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	0	0	1	1	2	1	1	2	0	0	1	1	10	219	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	2	0	0	0	0	3	6	0	5	2	2	3	1	1	25	299	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	0	0	2	1	0	1	0	0	5	2	0	0	0	11	109		
	Neonatal Mortality	D	0	0	0	0	0	0	0	1	0	10	0	1	0	0	12	249		
	AEFI	A	0	0	0	2	0	2	0	2	0	1	0	0	1	0	12	20	249	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	2	1	0	0	0	0	1	3	1	0	2	10	62	12	
		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	11	0	9	2	3	9	2	6	3	33	12	2	7	7	107	1,068	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	Meningitis	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	1	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	
		D	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	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL		5	20	0	20	0	22	0	17	0	26	0	27	0	15	26	347	5403	40	

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

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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.