



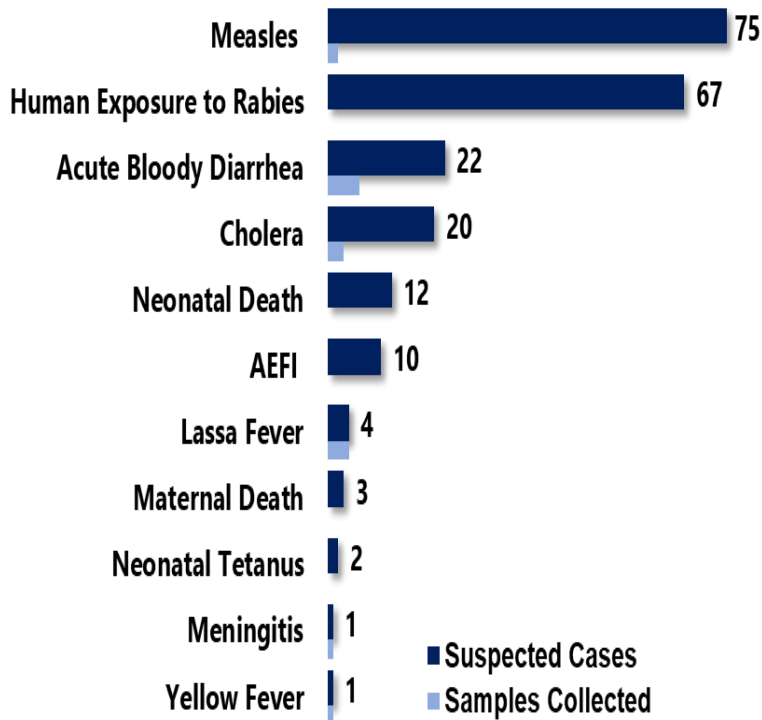
# Liberia IDSR Epidemiology Bulletin

Epi-week 25 (June 19- 25, 2023)

Country Population: 5,104,413 | Volume 25 Issue 18 || June 19 -25, 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 **217 events** of public health importance including **17 deaths** reported
- ◆ **Completeness and timeliness** of health facility reports were **98% & 97%**
- ◆ **Ongoing Lassa fever** outbreak in 3 Counties
- ◆ **Ongoing Measles outbreak** in 12 Counties

Adverse Events Following Immunization/Adverse Drug Reaction (AEFI)

## Reporting Coverage

Table 1: Health Facility Weekly IDSR Reporting Coverage, Liberia, Epi-week 25, 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	396	391	95	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
<b>Liberia</b>	<b>978</b>	<b>956</b>	<b>951</b>	<b>98</b>	<b>97</b>

**956(98%)**  
Health facilities reported IDSR data

**98(100%)**  
Health districts reported IDSR data

**951 (97%)**  
Health facilities reported timely IDSR

- ◆ The national target for weekly IDSR reporting is 80%. Health facility timeliness is monitored at the health district level
- ◆ Maryland County reported late to the national level

Legend: ≥80 <80

## Vaccine-Preventable Diseases

### Measles

- Seventy-five (75) suspected cases were reported from 11 Counties (see distribution in Table 2)
- Two (2) specimens collected and pending testing
- Thirty-nine (39) were vaccinated (see distribution in Table 3)

**Table 2: Distribution of Measles cases per county and epi-classification, Liberia, Epi week 25, 2023**

COUNTY	Cases Week 25	Lab confirmed Epi Week 25	CLASSIFICATION OF CONFIRMED CASES, EPI WEEK 1-25			Deaths	CFR (%)	CUMULATIVE # SUSPECTED CASES, EPI WEEK 1-25	CUMULATIVE # CONFIRMED CASES, EPI WEEK 1-25
			Lab confirmed	Epi Linked	Clinically Compatible				
Bomi	0	0	0	13	49	0	0.0	73	64
Bong	1	0	2	6	185	1	0.5	193	193
Gbarpolu	0	0	0	0	31	0	0.0	32	31
Grand Bassa	3	0	0	0	151	0	0.0	153	151
Grand Cape Mount	1	0	0	2	59	0	0.0	70	62
Grand Gedeh	14	0	4	26	220	0	0.0	293	250
Grand Kru	10	0	6	72	621	2	0.3	701	699
Lofa	3	0	0	0	88	0	0.0	96	88
Margibi	1	0	1	8	184	0	0.0	195	193
Maryland	12	0	0	0	568	0	0.0	570	568
Montserrado	18	0	4	53	910	2	0.2	975	967
Nimba	11	0	2	33	251	3	1.1	288	286
River Gee	0	0	0	0	101	0	0.0	121	101
Rivercess	1	0	1	0	26	0	0.0	32	27
Sinoe	0	0	4	11	76	0	0.0	105	91
<b>Grand Total</b>	<b>75</b>	<b>0</b>	<b>27</b>	<b>224</b>	<b>3,520</b>	<b>8</b>	<b>2</b>	<b>3,822</b>	<b>3,771</b>

**Table 3: Vaccination Status of Measles Cases, Liberia, Epi-week 25, 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	3	0	0	3
Grand Cape Mount	1	1	0	0
Grand Gedeh	5	5	0	0
Grand Kru	0	0	0	0
Lofa	3	2	0	1
Margibi	0	0	0	0
Maryland	2	0	2	0
Montserrado	16	15	1	0
Nimba	8	8	0	0
River Gee	0	0	0	0
Rivercess	1	1	0	0
Sinoe	0	0	0	0
<b>Grand Total</b>	<b>39</b>	<b>32</b>	<b>3</b>	<b>4</b>

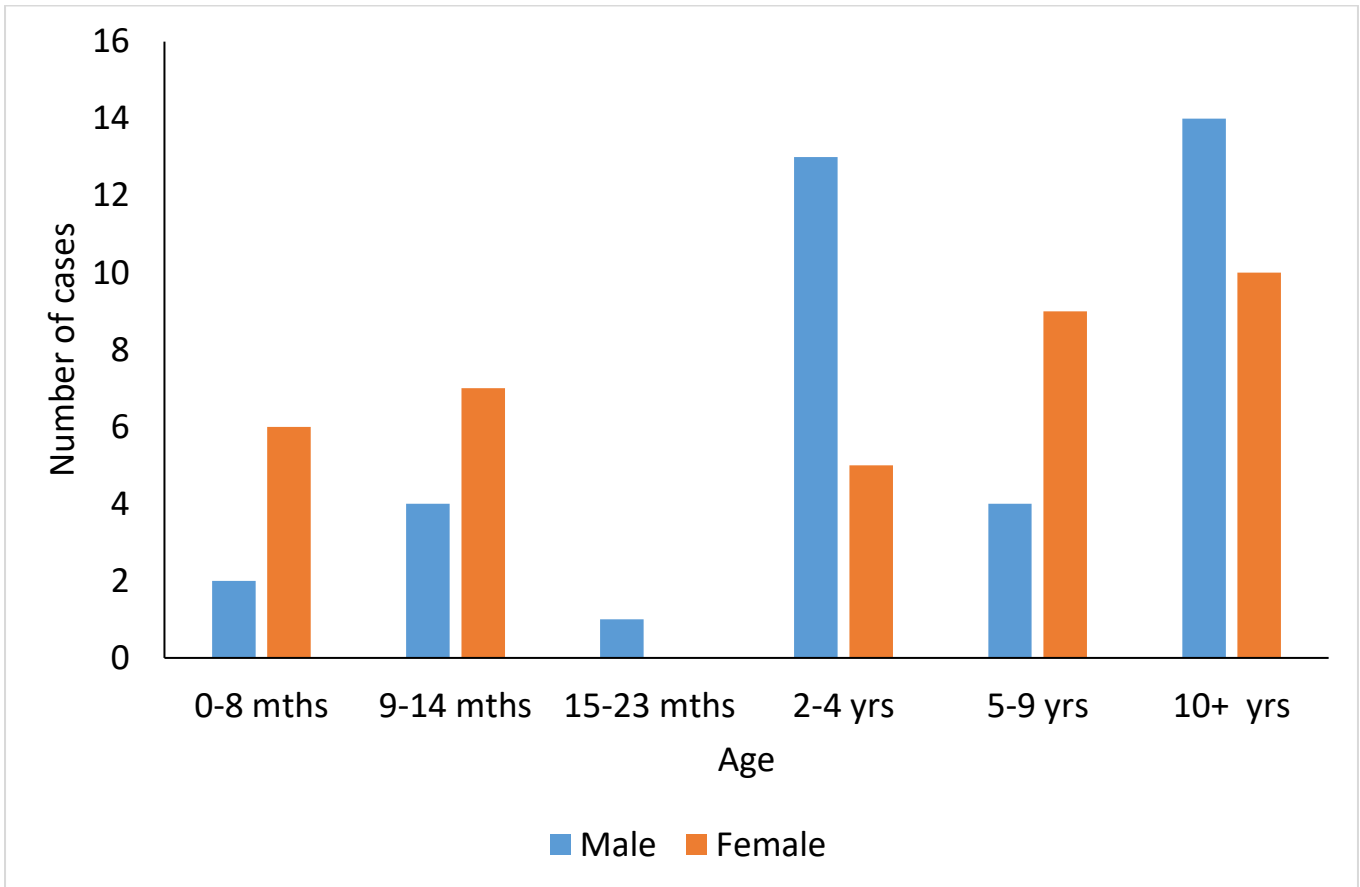


Figure 2: Distribution of Measles Cases by Age Group and Sex, Liberia Epi Week 25, 2023

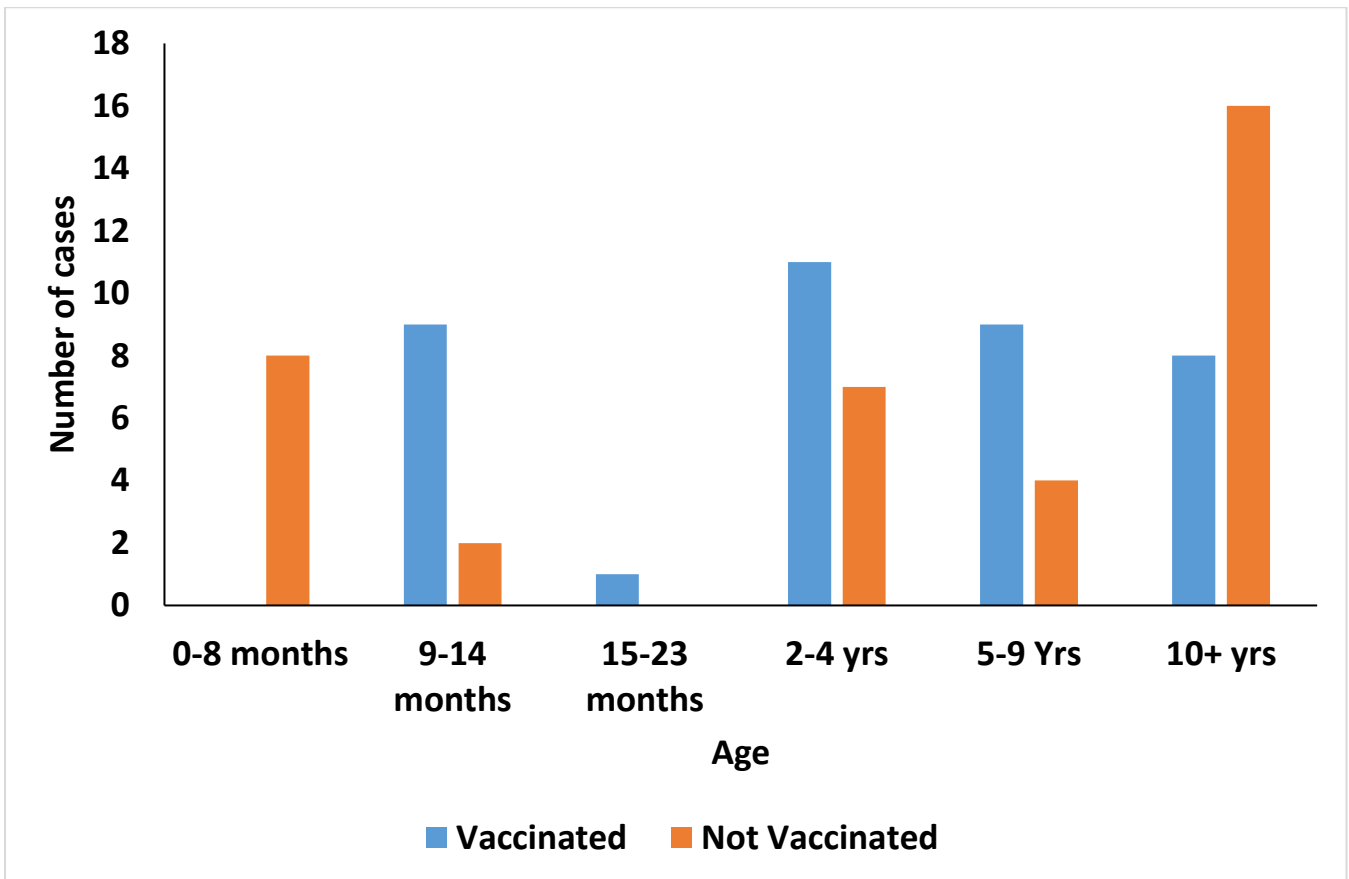


Figure 3: Vaccination Status of Suspected Measles Cases by Age Group, Liberia, Epi-Week 25, 2023

Table 4: Cumulative Distribution of Measles Cases and Deaths, December 13, 2021- June 25, 2023

COUNTY	CUMULATIVE SUSPECTED CASES	CUMULATIVE CONFIRMED CASES	CLASSIFICATION OF CONFIRMED CASES			CLASSIFICATION OF CONFIRMED DEATHS			CUMULATIVE DEATHS	CFR (%)	# CONFIRMED CASES WEEK 24	# CONFIRMED CASES WEEK 25	% CHANGE	Outbreak Status
			Lab confirmed	Epi Linked	Clinically Compatible	Lab confirmed	Epi Linked	Clinically Compatible						
Montserrat	5,341	5,264	145	1657	3462	3	61	5	69	1.3	22	18	-18	Ongoing
Nimba	1057	1,026	37	187	802	0	1	3	4	0.4	2	11	-89	Ongoing
Margibi	826	802	34	136	632	0	0	1	1	0.1	5	0	-100	Ongoing
Grand Bassa	936	898	40	212	646	1	0	6	7	0.9	3	0	-100	Ongoing
Lofa	344	274	32	66	176	0	0	0	0	0	1	0	-100	Ongoing
Bong	594	569	22	21	526	0	1	2	3	0.5	4	1	-99	Ongoing
Maryland	974	959	24	308	627	0	0	0	0	0	7	12	-88	Ongoing
Grand Gedeh	553	393	34	48	311	0	0	0	0	0	14	13	-7	Ongoing
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
Grd Cape Mt	215	187	17	18	152	0	2	1	3	1.6	0	0	-	Ended
Grand Kru	960	932	22	106	804	0	0	2	2	0.2	9	10	11	Ongoing
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	3	0	-100	Ongoing
<b>Total</b>	<b>12,549</b>	<b>11,891</b>	<b>504</b>	<b>2,926</b>	<b>8,461</b>	<b>5</b>	<b>68</b>	<b>22</b>	<b>95</b>	<b>7.8</b>	<b>70</b>	<b>65</b>		

Public Health Response

**I. Coordination**

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

**II. Epidemiological Surveillance**

- Surveillance activities intensified in affected counties (Grand Kru, Grand Gedeh, and Maryland).
- Active case search ongoing
- Conducted awareness in affected communities

**III. Case management**

- Cases were symptomatically treated and discharged home for home-based isolation in Lofa, Grand Gedeh, and Grand Kru Counties

**IV. Immunization**

- Twenty-seven (37) children were vaccinated from six counties

**V. Laboratory**

- Specimen was collected from 1 district in 1 county for testing (Barclayville District, Grand Kru).
- Five hundred nine (509) cases have been confirmed by the laboratory from December 13, 2021 –June 4, 2023.
- Delayed in releasing laboratory results for priority diseases

## VI. Risk Communication and Community Engagement

- Awareness and health education on prevention and control of measles ongoing on Smile FM Radio in Grand Gedeh County
- Ongoing engagement with community stakeholders, parents, and health care workers on measles prevention ongoing in Montserrado and Grand Kru, Grand Gedeh, Maryland, Grand Bassa, and Nimba Counties

### Challenges

- Limited support to response to the Measles outbreak in Grand Bassa County
- Irregular samples transportation by Riders for Health in Grand Kru County
- DSOs lack functional laptop computers in all the outbreak counties and districts
- Limited specimen collection kits for priority diseases in Montserrado
- Stock out of alert and lab submission forms in Maryland Grand, Cape Mount, and Lofa Counties

### Acute Flaccid Paralysis (AFP)

- ☞ Zero case reported
- ☞ Cumulatively, twenty-seven (27) cases were reported
  - Ten (10) tested negative
  - Seventeen (17) pending

### Neonatal Tetanus

- ☞ Two cases were reported from River Gee (including (1) death), and Montserrado (1) Counties
- ☞ Cumulatively, thirty-one (33) cases including 5 deaths reported

### Influenza-Like Illnesses

#### Influenza

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

### Viral Hemorrhagic Diseases

#### Lassa fever

- ☞ Four (4) suspected cases were reported from Montserrado (2 including 1 death), Nimba (1), and Bong (1) Counties
- ☞ Four (4) Specimens were collected: 1 tested positive, 2 negative and 1 pending testing
- ☞ Cumulatively, one hundred and thirty-four (134) suspected cases reported
  - Proportion of suspected cases with a sample collected (121/134) 90%
  - Proportion of suspected cases with sample tested (120/121) 99%

### Current Outbreak

#### Lassa fever disease

- ☞ One new confirmed case was reported from Bong County
- ☞ Cumulatively, eighty (80) laboratory-confirmed cases including 23 deaths reported (CFR=29%)

**Table 5: Summary of Confirmed Case Reported in Epi week 25, 2023**

Age (Yrs)	Sex	Outcome	Occupation	Community of resident	District of outbreak	Reporting County	Date of Onset	Date of Admission	Hospital	Signs & symptoms	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
15 yrs	F	Alive	Unknown	Rubber factory	Suakoko	Bong	15-Jun-23	22-Jun-23	Phebe hosp	fever, weakness	24-Jun-23	24-Jun-23	24-Jun-23	22-Jun-23	26-Jun-23	7	0	No

**Table 6: Summary of Lassa fever Outbreak, Liberia, Sept 9, 2022 to present**

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	5	2	0	1	50%	29	21	0	0	0	29	Completed	Over	
	Central Monrovia	3-Mar-23	13	1	0	1	100%	28	27	0	0	0	28	Completed	Over	
Bong	Suakoko	21-Apr-23	120	34	2	7	21%	310	147	6	4	7	303	Ongoing	Active	
	Sanoyea	5-Apr-22	1	1	0	1	100%	31	10	0	0	0	31	Completed	Over	
	Jorquelleh	6-Jan-22	11	8	1	2	25%	100	61	3	3	0	100	Completed	Over	
Grand Bassa	District 3A&B	9-Sep-22	60	30	0	9	26%	159	30	2	0	3	156	Active	Ongoing	
Nimba	Sanniquelle-Mah	6-Feb-23	8	2	0	0	0%	43	35	8	0	0	43	Completed	Over	
	Tappita	13-Mar-23	3	1	0	1	100%	36	17	4	0	0	36	Completed	Over	
	Bain-Garr	1-Jun-23	6	1	0	1	100%	14	11	0	0	14	0	Active	Ongoing	
			<b>8</b>	<b>227</b>	<b>80</b>	<b>3</b>	<b>23</b>	<b>29%</b>	<b>750</b>	<b>359</b>	<b>23</b>	<b>7</b>	<b>24</b>	<b>726</b>		

## 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 was 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

- ☞ One (1) suspected case was reported from Grand Cape Mount County
- ☞ One (1) specimen was collected and pending testing
- ☞ Cumulatively Sixty (60) suspected cases reported
  - Proportion of suspected cases with samples collected (49/60) 82%
    - Three (3) samples were collected but not transported (Epi week 5 from Grand Gedeh, River Gee, and Grand Kru Counties)
  - Proportion of samples collected and tested (27/49) 55%
    - Negative- 27
    - Pending testing -19

## Dengue Fever

- ☞ Zero case was reported
- ☞ Cumulatively, one case reported

## Ebola Virus Disease

- ☞ Zero suspected case was reported

## Diarrheal Diseases

### Acute Bloody Diarrhea (Suspected Shigellosis)

- ☞ Twenty-two (22) cases were reported: Sinoe (5), Grand Kru (4), Lofa (4), Rivercess (3), Grand Gedeh (3), Grand Bassa (1), and Bong (2) Counties
- ☞ Six (6) specimens were collected and pending testing
- ☞ Cumulatively, three hundred thirty-four (334) cases were reported
  - One hundred thirty-two (132) specimens were collected
    - 61 tested negative
    - 7 specimens rejected
    - 64 specimens were not transported

### Severe Acute Watery Diarrhea (Suspected Cholera)

- ☞ Twenty (20) suspected cases were reported: Bong (4) Grand Kru (3), Lofa (3), Nimba (2), Montserrado (2), Maryland (1), Rivercess (1), Gbarpolu (1), Bomi (1), Grand Gedeh (1), and Sinoe (1) counties
- ☞ Three (3) specimens were collected and pending testing
- ☞ Cumulatively, four hundred fifty-five (455) cases reported
  - One hundred forty (140) specimens collected
  - 53 tested negative
  - 7 specimens rejected
  - 80 specimens were not transported

## Other Reportable Diseases

### Animal bite (Human Exposure to Rabies)

- ☞ Sixty-seven (67) animal bites were reported

**Table 6: Distribution of Animal bite cases and PEP administration per county, Liberia, Epi week 25, 2023**

Counties	Cases	Person receiving PEP	PEP doses administered	Cumulative cases (Wk 1-25)	Cumulative PEP administered (Wk 1-25)
<b>Bomi</b>	4	1	1	38	22
<b>Bong</b>	5	2	2	131	59
<b>Gbarpolu</b>	0	0	0	14	0
<b>Grand Bassa</b>	3	0	0	143	11
<b>Grand Cape Mount</b>	1	1	1	45	28
<b>Grand Gedeh</b>	2	1	1	60	9
<b>Grand Kru</b>	8	0	0	139	15
<b>Lofa</b>	0	0	0	128	48
<b>Margibi</b>	5	2	2	102	50
<b>Maryland</b>	4	0	0	94	36
<b>Montserrado</b>	18	8	8	494	137
<b>Nimba</b>	10	5	5	216	92
<b>Rivercess</b>	2	2	2	34	40
<b>River Gee</b>	3	0	0	68	0
<b>Sinoe</b>	2	0	0	72	6
<b>Total</b>	<b>67</b>	<b>22(33%)</b>	<b>22</b>	<b>1,778</b>	<b>553</b>

## Public Health Actions

- ☞ Ongoing monitoring and follow-up of cases

### Meningitis

- ☞ One (1) case was reported from Nimba County
- ☞ One (1) specimen was collected and tested negative

- ☞ Cumulatively, twenty-three (23) suspected cases reported
  - Proportion of suspected cases with samples collected (21/23) 91%
  - Proportion of sample tested (17/21) 81%
  - 15 negative and 2 positive

### Mpox

- ☞ Zero case was reported
- ☞ Cumulatively, eighty-seven (87) suspected cases reported
  - Seven (7) confirmed

## Events of Public Health Importance

### Maternal Mortality

- ☞ Three (3) deaths were reported: Montserrado, (2), and Bomi (1) Counties
- ☞ Reported causes: Postpartum Hemorrhage (3)
- ☞ Reporting Site:
  - Health facility (2/3) 67%
  - Community (1/3) 33%
- ☞ Cumulatively, one hundred sixty-nine (169) deaths reported
  - Proportion of death reviewed (41/169) 24%
  - Proportion of community death (25/169)15%

### Neonatal Mortality

- ☞ Twelve (12) deaths were reported: Montserrado (9), River Gee (2), and Bomi (1) Counties
- ☞ Reported causes: Birth Asphyxia (7), Neonatal Tetanus (2), Preterm (2), and Sepsis (1)
- ☞ Reporting sites:
  - Health facility (12/12) 100%
- ☞ Cumulatively, three hundred ninety-four (394) deaths reported

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

- ☞ Ten (10) cases were reported from Grand Gedeh (4), Lofa (2), Gbarpolu (2), Sinoe (1), and Maryland (1) Counties
- ☞ All reported cases were non-serious
- ☞ Related vaccine:
  - Penta (3/10) 30%
  - Measles (2/10) 20%
  - Others (5/10) 50%
- ☞ Cumulatively, three hundred twenty-nine (329) events were reported and COVID-19 accounted for (154/329) 47%

## Border Surveillance Update

- ☞ A total of 5,576 travelers were recorded for the week with incoming travelers accounting for 44% (2,475/5,576)

**Table 7: Border activity at the PoE for Incoming and Outgoing Travelers, Liberia, Epi week 25, 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	100	30	70	20	0	0	0	0	0	20
	Robert Int'l Airport	4179	1712	2467	4014	105	0	0	0	0	4075
Seaport	Freeport of Monrovia	256	128	128	256	0	0	0	0	0	256
	Buchanan Port	68	34	34	68	0	0	0	0	0	68
Land Crossing	Bo Water Side	606	317	289	591	6	6	9	0	0	209
	Ganta	201	141	60	85	3	3	24	0	0	72
	Yekepa	65	47	18	17	0	0	0	0	0	31
	Loguatu	101	66	35	86	0	0	0	0	0	66
<b>Total</b>		<b>5,576</b>	<b>2,475</b>	<b>3,101</b>	<b>5,137</b>	<b>114</b>	<b>9</b>	<b>33</b>	<b>0</b>	<b>0</b>	<b>4,797</b>

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



## Public Health Measures

### National level

- 📌 Community engagement and border meeting airing messages on Lassa fever, Monkey pox, COVID-19, and Measles in Nimba, Grand Cape Mount, and Grand Bassa Counties
- 📌 Review and validation of AEFI guideline and SOP
- 📌 Providing remote technical and operational support to counties
- 📌 Produced and disseminated situation reports (Lassa fever, Measles, and Mpox outbreaks)

### 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
- 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	1	0	0	0	0	0	0	0	1	0	0	0	2	27	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Measles	A	0	7	0	4	0	14	11	1	5	8	22	2	0	3	6	83	3,814	25
		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	1	0	0	0	0	1	26	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
	Yellow fever	A	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	3	59	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	0	0	1	0	0	0	0	0	0	0	1	0	0	0	2	130	23
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
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	39	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	2	2	0	1	0	2	0	1	0	1	0	0	1	10	312	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	1	0	0	0	2	0	4	2	2	1	2	1	17	435	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	0	0	0	1	1	0	1	1	1	0	0	5	166		
		D	2	0	0	2	0	0	0	1	0	15	1	2	0	1	24	381		
	Neonatal Mortality	A	2	0	0	1	0	0	0	2	0	0	0	1	0	3	9	319	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	1	0	0	0	0	0	0	0	2	3	87	7	
		D	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	3	0	10	0	4	3	11	2	6	18	9	3	0	3	73	1,711	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	2	0	1	0	3	22	2
		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
<b>TOTAL</b>		<b>5</b>	<b>12</b>	<b>3</b>	<b>22</b>	<b>0</b>	<b>20</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>20</b>	<b>0</b>	<b>7</b>	<b>17</b>	<b>235</b>	<b>7540</b>	<b>45</b>	

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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### For comments or questions, please contact

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## National Public Health Institute of Liberia (NPHIL)

### MISSION

To prevent and control public health threats by promoting healthy outcomes and serving as a source of knowledge

### VISION

A center of excellence to create health outcomes for Liberians through a strong preventive health system and expertise

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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.