



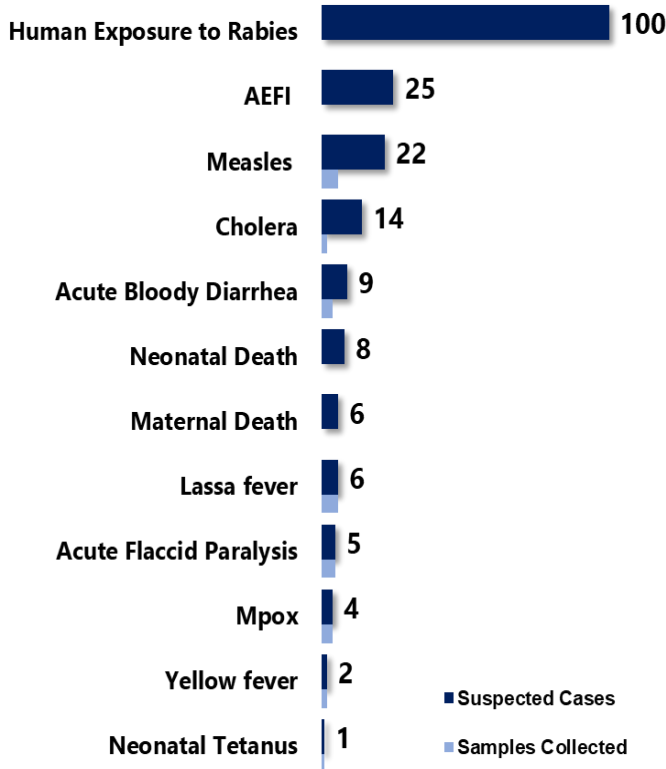
# Liberia IDSR Epidemiology Bulletin

Epi-week 47 (November 20-26, 2023)

Country Population: 5,104,413 | Volume 19 Issue 47 | November 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 202 events** of public health importance including **15 deaths** reported
- ◆ **Completeness and timeliness** of health facility reports were both **97%**
- ◆ **Ongoing Lassa fever outbreak** in 3 Counties
- ◆ **Ongoing Measles outbreak** in 3 Counties
- ◆ **Ongoing Mpox outbreak** in 4 Counties

Adverse Events Following Immunization/Adverse Drug Reaction (AEFI)

## Reporting Coverage

Table 1: Health Facility Weekly IDSR Reporting Coverage, Liberia, Epi-week 45, 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	28	28	100	100
Montserrado	418	393	389	94	94
Nimba	92	91	91	99	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>949</b>	<b>945</b>	<b>97</b>	<b>97</b>

949(97%)  
Health facilities reported IDSR data

98(100%)  
Health districts reported IDSR data

945 (97%)  
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

- ☞ Twenty-two (22) suspected cases were reported from 9 counties
- ☞ Six (6) specimens were collected and pending testing
- ☞ Ten (10) persons were vaccinated

**Table 2: Distribution of Measles cases per county and epi-classification, Liberia, Epi week 1-47, 2023**

COUNTY	CUMULATIVE # SUSPECTED CASES	CUMULATIVE # CONFIRMED CASES	CLASSIFICATION OF CONFIRMED CASES			DEATHS	CFR (%)	# CONFIRMED CASES WEEK 46	# CONFIRMED CASES WEEK 47	% 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	1	0
Gbarpolu	42	41	0	0	41	0	0.0	0	0	0
Grand Bassa	178	175	0	0	175	0	0.0	1	0	-100
Grand Cape Mount	77	69	1	2	66	0	0.0	0	0	0
Grand Gedeh	438	394	6	27	361	0	0.0	2	3	50
Grand Kru	746	740	10	72	658	2	0.3	1	4	100
Lofa	141	133	0	0	133	0	0.0	0	2	0
Margibi	201	199	1	8	190	0	0.0	0	0	0
Maryland	766	764	0	0	764	0	0.0	5	7	40
Montserrado	1106	1098	4	53	1041	2	0.2	1	2	100
Nimba	377	367	2	33	332	3	0.8	0	1	0
River Gee	145	119	1	0	118	0	0.0	0	0	0
Rivercess	37	32	1	0	31	0	0.0	0	1	0
Sinoe	152	132	6	11	115	0	0.0	0	1	0

**Table 3: Vaccination Status of Measles Cases, Liberia, Epi-week 47, 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	1	0	0	1
Grand Kru	3	3	0	0
Lofa	2	0	0	2
Margibi	0	0	0	0
Maryland	1	1	0	0
Montserrado	1	1	0	0
Nimba	1	1	0	0
River Gee	0	0	0	0
Rivercess	1	1	0	0
Sinoe	0	0	0	0
<b>National</b>	<b>10</b>	<b>7</b>	<b>0</b>	<b>3</b>

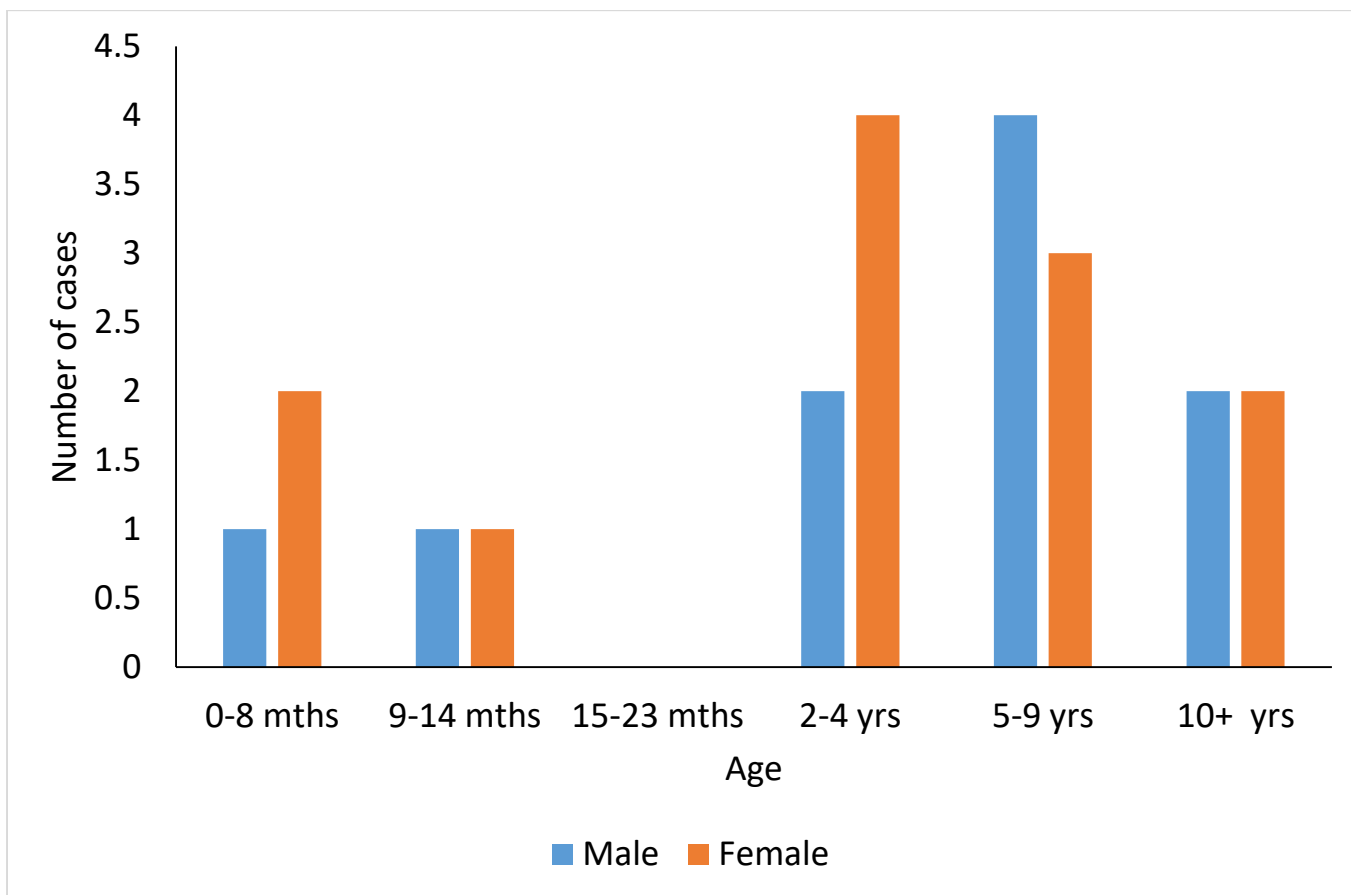


Figure 2: Distribution of Measles Cases by Age Group and Sex, Liberia Epi Week 47, 2023

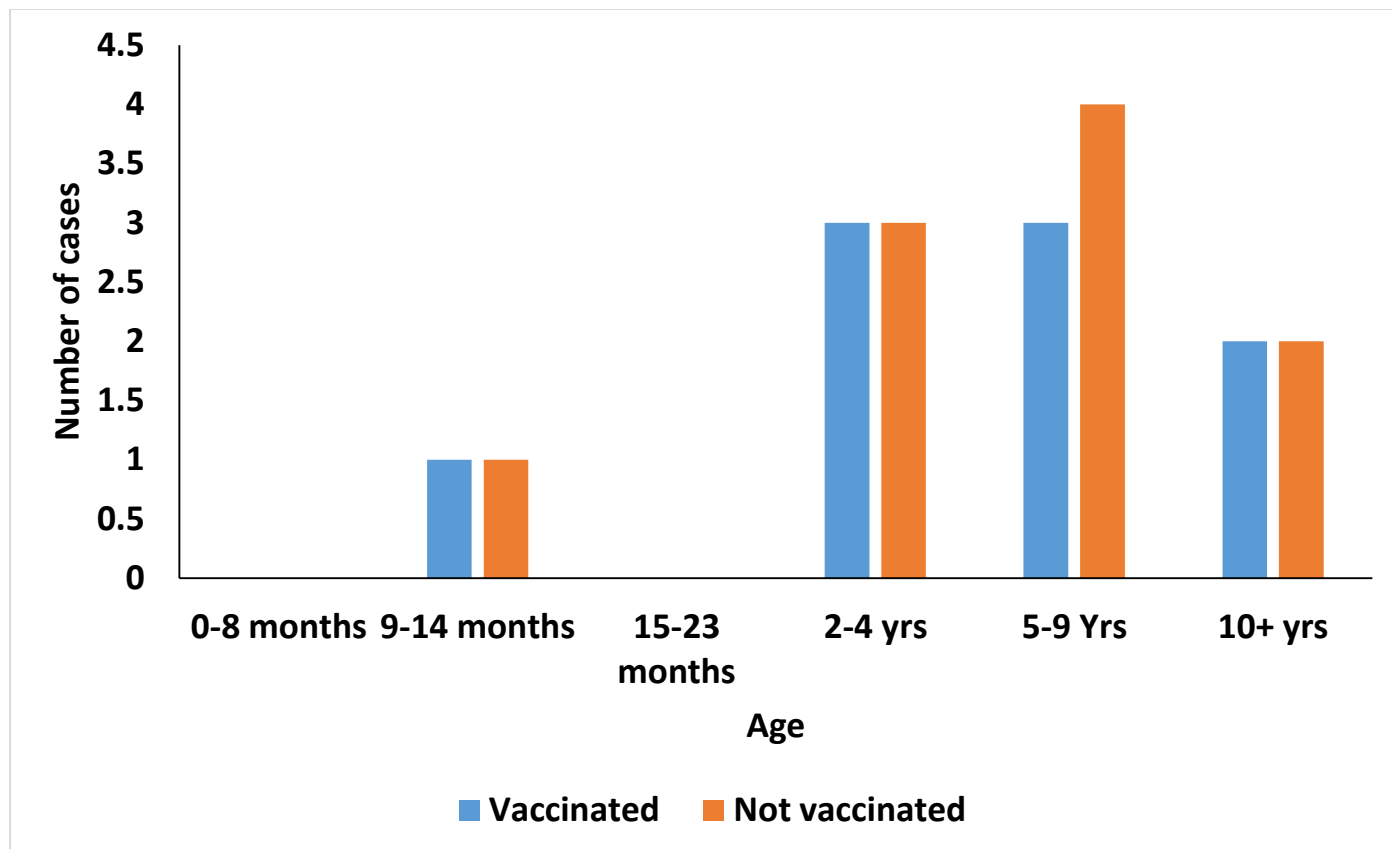


Figure 3: Vaccination Status of Suspected Measles Cases by Age Group, Liberia, Epi-Week 47, 2023

**Table 4: Status of Confirmed Measles Cases by County, Liberia, December 13, 2021 – November 26, 2023**

County	Total Cases	Active	Recovery	Deaths	# of Districts
Montserrado	5,371	2	5,300	69	3/7
Nimba	1,110	1	1,105	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	1101	5	1096	0	2/6
Lofa	284	0	284	0	0/6
Grand Kru	965	0	963	2	3/5
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	2/6
River Gee	79	0	79	0	0/6
Sinoe	231	0	231	0	0/10
<b>Total</b>	<b>12,418</b>	<b>8</b>	<b>12, 315</b>	<b>95</b>	<b>8/98</b>

**Table 5: Cumulative Distribution of Measles Cases and Deaths, December 13, 2021- November 26, 202**

COUNTY	CUMULATIVE SUSPECTED CASES	CUMULATIVE CONFIRMED CASES	CLASSIFICATION OF CONFIRMED CASES			CLASSIFICATION OF CONFIRMED DEATHS			CUMULATIVE DEATHS	CFR (%)	# CONFIRMED CASES WEEK 46	# CONFIRMED CASES WEEK 47	% CHANGE	Outbreak Status
			Lab confirmed	Epi Linked	Clinically Compatible	Lab confirmed	Epi Linked	Clinically Compatible						
Montserrado	5, 454	5,371	145	1658	3, 568	3	61	5	69	1.3	1	2	100	Ongoing
Nimba	1, 137	1110	37	187	886	0	1	3	4	0.4	0	1	-	Ongoing
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	1121	1101	24	308	769	0	0	0	0	0	3	5	67	Ongoing
Grand Gedeh	652	508	34	48	426	0	0	0	0	0	0	0	-	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
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	1	0	-	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	0	0	-	Ended
<b>Total</b>	<b>13,067</b>	<b>12,418</b>	<b>504</b>	<b>2,927</b>	<b>8,987</b>	<b>5</b>	<b>68</b>	<b>22</b>	<b>95</b>	<b>7.8</b>	<b>5</b>	<b>8</b>		

## 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

- ☞ 70% of the cases reported were vaccinated
- ☞ Routine immunization ongoing in affected 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)

- ☞ Five (5) cases were reported from Montserrado (3), Nimba (1), and River Gee (1) Counties
- ☞ Specimens were collected; 3 shipped and 2 pending shipment
- ☞ Cumulatively, sixty-three (63) cases were reported
  - Thirty-six (36) tested negative
  - Twenty-seven (27) pending

## Neonatal Tetanus

- ☞ One case was reported from Grand Bassa County
- ☞ Cumulatively, fifty-two (52) cases including 7 deaths reported

## Influenza-Like Illnesses

### Coronavirus Disease (COVID-19)

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

### Influenza

- ☞ Zero suspected cases were reported
- ☞ Cumulatively, one hundred fifty-four (154) suspected cases reported
  - Proportion cases with sample collected (149/154) 97%
  - Proportion of cases with sample tested (64/149) 43% and all negative

## Viral Hemorrhagic Diseases

### Lassa fever

- ☞ Six (6) suspected cases were reported from Bong (4), Montserrado (1), and Nimba (1dead) Counties
- ☞ Specimens were collected; 3 tested positive, 1 negative and 2 pending testing

- ☞ Cumulatively, two hundred sixteen (216) suspected cases reported
  - Proportion of suspected cases with a sample collected (200/216) 93%
  - Proportion of suspected cases with sample tested (198/198) 100% (confirmed 62, negative 136)
  - Death in Confirmed cases 19 (CFR=31%)

## Current Outbreak

### Lassa fever disease

- ☞ Three new confirmed cases were reported from Nimba (dead), Montserrado and Bong Counties
- ☞ Cumulatively, one hundred four (104) laboratory-confirmed cases including 31 deaths reported (CFR=30%)

**Table 6: Summary of Lassa fever Outbreak, Liberia, January 6, 2022 – December 2, 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
	Jorquelleh	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	Sanniquellie-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
	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
<b>Total</b>			<b>369</b>	<b>106</b>	<b>3</b>	<b>31</b>	<b>29%</b>	<b>1084</b>	<b>474</b>	<b>61</b>	<b>21</b>	<b>161</b>	<b>857</b>		

### Public Health Measures

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

#### 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

### Case management and IPC

- Cases isolated and managed at designated facilities

### Environmental and Vector Control

- Ongoing clean-up campaigns and rodent control measures in Grand Bassa County

### Risk Communication and Community Engagement

- Risk communication and community engagement ongoing in affected and surrounding communities
- Airing of jingles on Lassa fever prevention and control in Bong and Grand Bassa Counties

## Yellow fever

- ☞ Two (2) cases were reported from Grand Gedeh County
- ☞ No specimens were collected
- ☞ Cumulatively one hundred four (104) suspected cases were reported
  - Three (3) samples (3/87) 3% not transported (Epi week 5 from Grand Gedeh, River Gee, and Grand Kru Counties)
  - Proportion of suspected cases with samples collected (87/104) 84%
  - The proportion of samples tested is (72/87) 83%
  - The proportion of samples pending testing is (12/87) 14%

## Dengue Fever

- ☞ Zero cases were reported

## Ebola Virus Disease

- ☞ Zero cases were reported

## Diarrheal Diseases

### Acute Bloody Diarrhea (Suspected Shigellosis)

- ☞ Nine (9) cases were reported from Lofa (3), Nimba (2), Sinoe (2), River Gee (1), and Grand Kru (1) Counties
- ☞ Four (4) specimens were collected and pending testing
- ☞ Cumulatively, six hundred ninety-two (692) cases reported
  - Two hundred sixty-nine (269) specimens were collected
    - 157 tested negative
    - 3 Confirmed
    - 26 specimens rejected by NPHRL
    - 83 not tested

### Severe Acute Watery Diarrhea (Suspected Cholera)

- ☞ Fourteen (14) suspected cases were reported from Lofa (5), Grand Kru (3), Maryland (2), Rivercess (2), and Sinoe (1), and Gbarpolu (1) Counties
- ☞ Two (2) specimens were collected and pending testing
- ☞ Cumulatively, eight hundred sixty-two (862) cases reported
  - Two hundred ninety-seven (297) specimens were collected
    - 116 tested negative
    - 12 specimens rejected by NPHRL
    - 169 not tested

## Other Reportable Diseases

### Animal bite (Human Exposure to Rabies)

- ☞ Ninety-six (100) animal bites were reported

**Table 7: Distribution of Animal Bite Cases and PEP Administration per County, Liberia, Epi week 47, 2023**

Counties	Cases	Person receiving PEP	PEP doses administered	Cumulative cases (Wk 1-47)	Cumulative PEP administered (Wk 1-47)
Bomi	2	0	0	65	33
Bong	6	1	1	206	89
Gbarpolu	0	0	0	33	1
Grand Bassa	8	0	0	266	30
Grand Cape Mount	2	2	2	70	42
Grand Gedeh	6	0	0	112	15
Grand Kru	8	0	0	261	15
Lofa	2	0	0	227	89
Margibi	1	2	2	192	79
Maryland	3	4	4	193	72
Montserrado	7	3	3	969	251
Nimba	28	2	2	579	156
Rivercess	14	3	3	125	63
River Gee	6	0	0	49	0
Sinoe	7	0	0	142	6
<b>Total</b>	<b>100</b>	<b>17</b>	<b>17</b>	<b>3489</b>	<b>941</b>

## 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

- ☞ Four (4) suspected cases reported from Grand Kru (3), and River Gee (1) Counties
- ☞ Four specimens were collected
  - 1 Negative
  - 3 pending testing
- ☞ Cumulatively, one hundred forty-four (144) suspected cases reported
  - Eighteen (18) confirmed

### Unexplained cluster of deaths

- ☞ Zero cases reported

## Events of Public Health Importance

### Maternal Mortality

- ☞ Six (6) deaths were reported from Montserrado (2), Sinoe (1), Nimba (1), Bong (1), and Bomi (1) Counties
- ☞ Reported causes: PPH (3), Eclampsia (1), Anemia (1), and Unknown (1)
- ☞ Reporting Site:
  - Health Facility (5) 95%
  - Communities (1) 5%
- ☞ Cumulatively, two hundred eighty-two (282) deaths reported
  - Proportion of death reviewed (71/282) 25%
  - Proportion of community death (31/71) 44%

### Neonatal Mortality

- ☞ Eight (8) deaths were reported from Montserrado (5), Maryland (2), and Nimba (1) Counties
- ☞ Reported causes: Birth Asphyxia (3), Premature (3), and Sepsis (2),
- ☞ Reporting site:
  - Health facility: (8) 100%
- ☞ Cumulatively, seven hundred seven (707) deaths reported

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

- ☞ Twenty-five (25) cases were reported: Sinoe (9), Montserrado (7), Grand Cape Mount (3), River Gee (2), Grand Bassa (2), Lofa (1), and Grand Gedeh (1) Counties
- ☞ All reported cases were classified as non-serious
- ☞ Related vaccine:
  - Penta (12/25) 48%
  - Measles (6/25) 24%
  - Others (7/25) 28%
- ☞ Cumulatively, nine hundred sixty (960) events were reported and COVID-19 accounted for (235/960) 24%

## 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 4,258 travelers were recorded for the week with incoming travelers accounting for 54% (2,282/4,258)

**Table 8: Border activity at the PoE for incoming and outgoing travelers, Liberia, Epi week 47, 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	167	97	70	15	0	0	0	0	0	0
	Robert Int'l Airport	3205	1692	1513	3198	0	7	0	0	0	3000
Seaport	Freeport of Monrovia	60	30	30	60	0	0	0	0	0	60
	Buchanan Port	80	40	40	80	0	0	0	0	0	80
Land Crossing	Bo Water Side	454	258	196	446	0	8	0	0	0	390
	Ganta	103	71	32	55	2	2	14	0	0	36
	Yekepa	95	54	41	38	0	0	0	0	0	57
	Loguatu	94	40	54	67	0	0	0	0	0	16
<b>Total</b>		<b>4,258</b>	<b>2,282</b>	<b>1,976</b>	<b>3,959</b>	<b>2</b>	<b>17</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>3,639</b>

*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	Sierra Leone	Total Weekly	Cumulative Reported	Cumulative Lab-confirmed	
<b>No. of Expected Health District</b>		4	9	5	8	5	6	5	6	4	6	7	11	6	6	10	98			
<b>No. of Health District Reported</b>		4	9	5	8	5	6	5	6	4	6	7	11	6	6	10	98			
<b>Vaccine Preventable Disease</b>	Acute Flaccid Paralysis (Suspected Polio)	A	0	0	0	0	0	0	0	0	0	3	1	0	1	0	5	27	0	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Measles	A	0	1	0	0	0	3	4	2	0	7	2	1	1	1	0	22	4,696	37
		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	1	0	0	0	0	0	0	0	0	0	0	0	1	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	0	0	2	0	0	0	0	0	0	0	0	0	2	104	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Viral Hemorrhagic</b>	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	4	0	0	0	0	0	0	0	0	1	0	0	0	0	5	178	43
		D	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	38	19
<b>Influenza-Lik</b>	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
<b>Diarrheal Disease</b>	Acute Bloody Diarrhoea (Shigellosis)	A	0	0	0	0	0	1	3	0	0	0	2	0	1	2	9	862	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	0	1	0	0	3	5	0	2	0	0	2	0	1	14	862	0	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Events of Public Health</b>	Maternal Mortality	D	1	1	0	0	0	0	0	0	0	2	1	0	0	1	6	282		
	Neonatal Mortality	D	0	0	0	0	0	0	0	0	2	5	1	0	0	0	8	707		
	AEFI	A	0	0	0	2	3	1	0	1	0	7	0	0	2	9	25	960	0	
		D	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	
D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<b>Other Reportable Diseases</b>	Mpox	A	0	0	0	0	3	0	0	0	0	0	0	0	1	0	4	144	14	
		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	
		D	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	6	0	8	2	6	8	2	1	3	7	28	14	6	7	100	3,489	0
		D	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	0
		D	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		
	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
<b>Neglected Tr</b>	Buruli Ulcer	A	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	
	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	
<b>TOTAL</b>		<b>3</b>	<b>12</b>	<b>1</b>	<b>11</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>35</b>	<b>0</b>	<b>12</b>	<b>20</b>	<b>202</b>	<b>12982</b>	<b>80</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.