



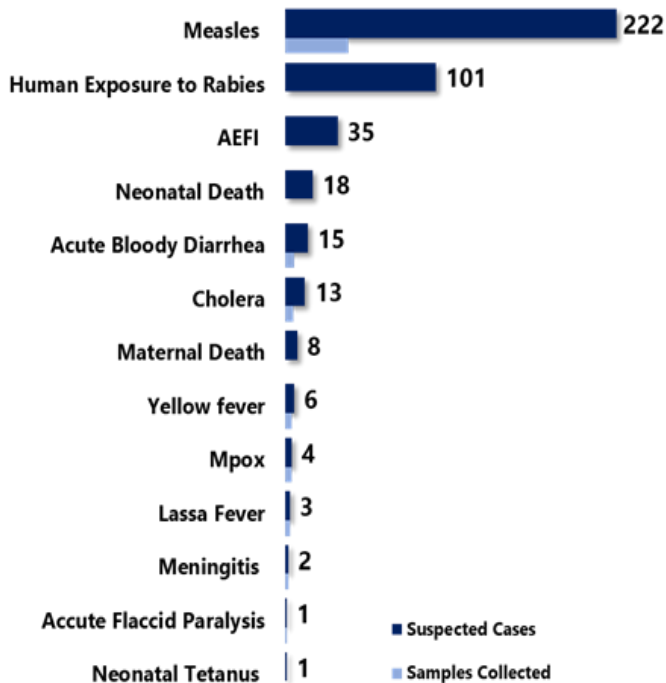
# Liberia IDSR Epidemiology Bulletin

Epi-week 13 (March 27-April 2, 2023)

Country Population: 5,104,413 | Volume 18 Issue 13 || March 27-April 2, 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 **429 events** of public health importance including **27 deaths** reported
- ◆ **Completeness and timeliness** of health facility reports were **100 %** and **99%**
- ◆ **Ongoing Lassa fever** outbreak in 4 Counties
- ◆ **Ongoing Measles** outbreak in 15 Counties
- ◆ **Ongoing Mpox** outbreak in 3 Counties

Adverse Events Following Immunization/Adverse Drug Reaction

## Reporting Coverage

Table 1: Health Facility Weekly IDSR Reporting Coverage, Liberia, Epi-week 13, 2023

County	Expected Reports From HF*	Reports Received	Received on Time	Completeness (%)	Timeliness (%)
Bomi	28	28	28	100	100
Bong	67	67	65	97	97
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	407	100	97
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>978</b>	<b>967</b>	<b>100</b>	<b>99</b>

978 (99%)  
Health facilities reported IDSR data

96 (98%)  
Health districts reported IDSR data

967 (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

Legend: ≥80 <80



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## Vaccine-Preventable Diseases

### Measles

- Two hundred twenty-two (222) suspected cases were reported from 15 Counties (see distribution in table 2)
- Forty-two (42) specimens collected and pending testing
- One hundred fifteen (115) were vaccinated (see distribution in table 3)

Table 2: Distribution of Measles cases per county and epi-classification, Liberia, Epi week 13, 2023

COUNTY	CASES WEEK 13	Lab confirmed	CLASSIFICATION OF CONFIRMED CASES			DEATHS	CFR (%)	CUMULATIVE # SUSPECTED CASES	CUMULATIVE # CONFIRMED CASES
			Lab confirmed	Epi Linked	Clinically Compatible				
Bomi	8	0	2	29	17	0	0	48	48
Bong	10	0	2	108	15	1	0.8	125	125
Gbarpolu	0	0	0	14	12	0	0	27	26
Grand Bassa	0	0	0	96	0	0	0	96	96
Grand Cape Mount	6	0	1	35	8	0	0	50	44
Grand Gedeh	16	0	1	38	63	0	0	121	102
Grand Kru	55	0	2	491	1	2	0.4	494	494
Lofa	4	0	0	24	14	0	0	42	38
Margibi	14	0	1	118	4	0	0	125	123
Maryland	37	0	0	334	6	0	0	342	340
Montserrado	45	0	4	426	2	0	0	437	432
Nimba	11	0	1	159	6	3	1.8	168	166
River Gee	8	0	0	19	26	0	0	56	45
Rivercess	2	0	0	10	14	0	0	27	24
Sinoe	6	0	2	13	33	0	0	53	48
<b>Grand Total</b>	<b>222</b>	<b>0</b>	<b>16</b>	<b>1914</b>	<b>221</b>	<b>6</b>	<b>3</b>	<b>2211</b>	<b>2151</b>

Table 3: Vaccination Status of Measles Cases, Liberia, Epi week 13, 2023

County	Vaccinated	Number of Doses Received		
		One Dose	Two Doses	Doses Not indicated
Bomi	8	3	5	0
Bong	4	2	0	2
Gbarpolu	0	0	0	0
Grand Bassa	0	0	0	0
Grand Cape Mount	5	4	1	0
Grand Gedeh	8	8	0	0
Grand Kru	12	12	0	0
Lofa	4	3	0	1
Margibi	10	10	0	0
Maryland	3	0	2	1
Montserrado	43	34	9	0
Nimba	5	3	2	0
River Gee	6	0	4	2
Rivercess	1	1	0	0
Sinoe	6	0	0	6
<b>Grand Total</b>	<b>115</b>	<b>80</b>	<b>23</b>	<b>12</b>



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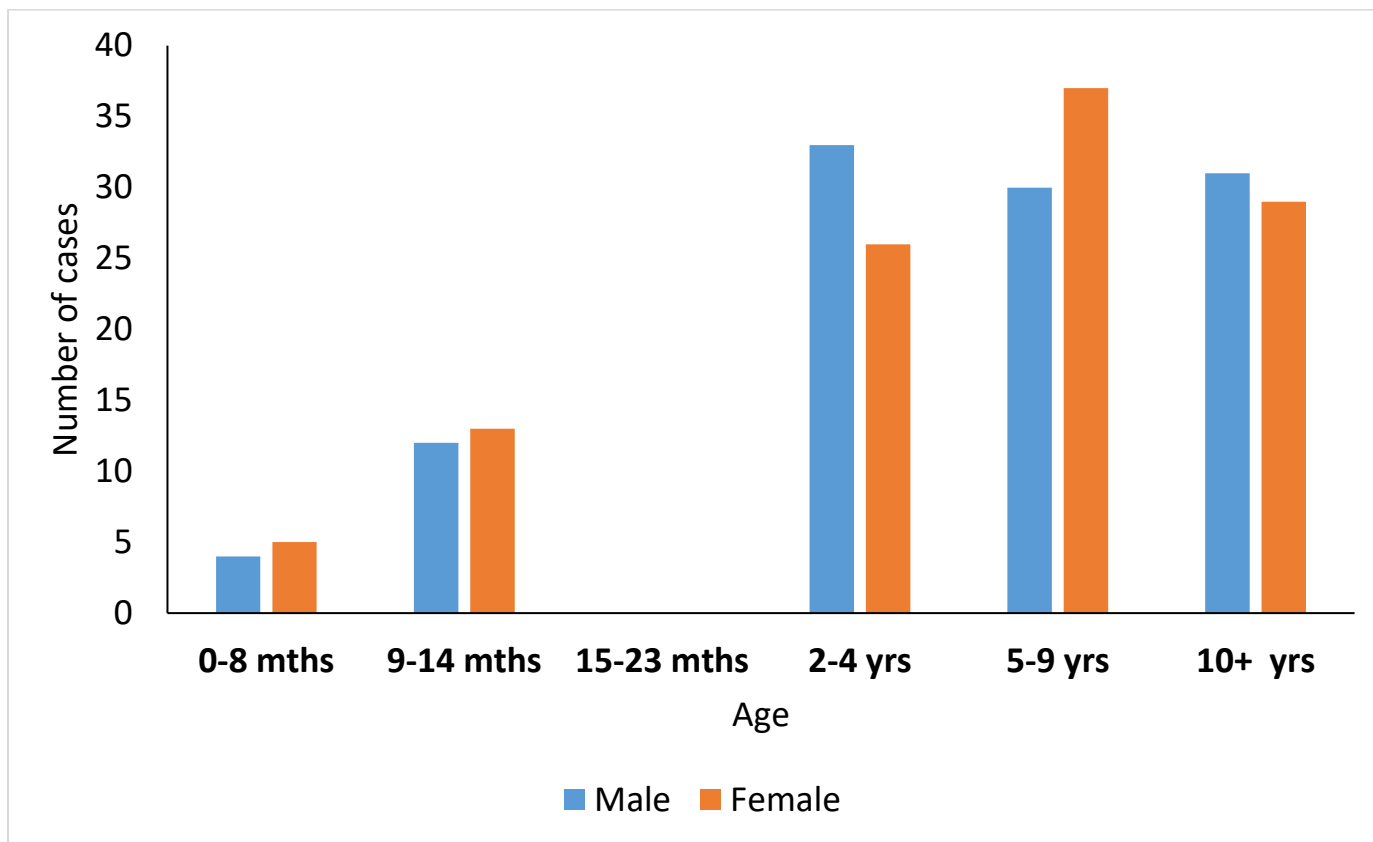


Figure 2: Distribution of Measles Cases by Sex, Liberia Epi Week 13, 2023

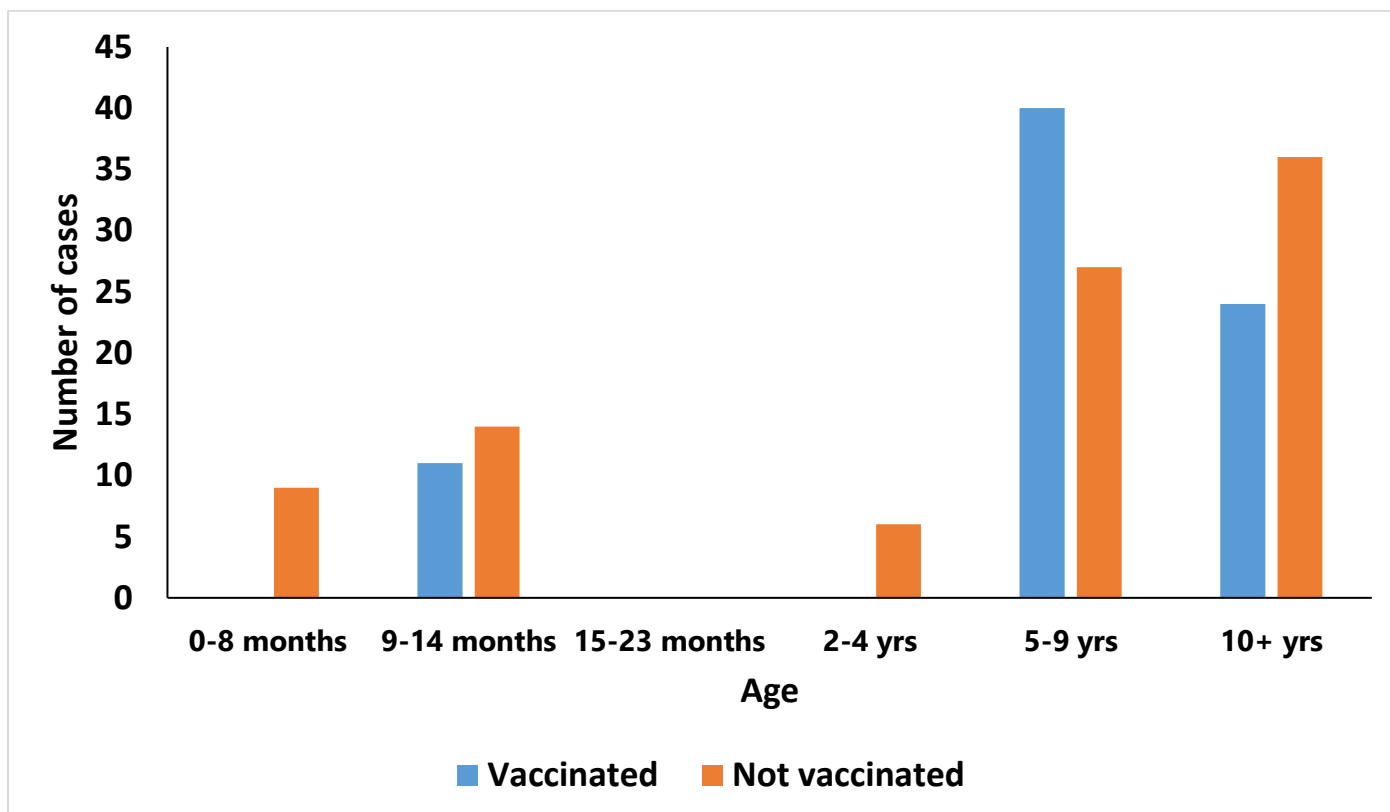


Figure 3: Vaccination Status of Suspected Measles Cases by Age group, Liberia, Epi-Week 13, 2023



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## Outbreak Section

**Table 4: Summary Distribution of Measles Cases and Deaths, December 13, 2021- April 2, 2023**

County	Cumulative Suspected cases	Cumulative Confirmed cases	Classification of Confirmed Cases			Classification of Confirmed Deaths			Cumulative Deaths	CFR (%)	# of Confirmed cases week 12	# of Confirmed deaths week 13	% change	Outbreak status
			Lab-confirmed	Epi-linked	Clinically compatible	Lab confirmed	Epi-linked	Clinically compatible						
Montserrado	4,796	4,734	141	4,439	154	3	61	3	67	1.6	23	45	57	Ongoing
Nimba	940	912	37	837	38	0	0	4	4	0.1	15	11	-36	Ongoing
Margibi	725	704	33	663	8	0	1	0	1	0	12	14	17	Ongoing
Grand Bassa	856	819	40	677	102	1	6	0	7	1	0	0		Ongoing
Lofa	272	212	32	141	39	0	0	0	0	0	0	1		Ongoing
Bong	497	477	19	413	45	0	1	2	3	0.6	11	9	-18	Ongoing
Maryland	710	702	22	661	19	0	0	0	0	0	17	36	-64	Ongoing
Grand Gedeh	354	241	30	113	98	0	0	0	0	0	13	15	15	Ongoing
Sinoe	228	176	33	58	85	0	0	0	0	0	0	1		Ongoing
Bomi	159	134	33	71	30	1	2	2	5	7.4	0	8		Ongoing
Grand Cape Mount	182	159	16	116	27	0	2	1	3	2.7	4	3	-25	Ongoing
Grand Kru	738	712	16	635	61	0	2	0	2	0	24	55	-129	Ongoing
Gbarpolu	84	70	5	60	5	0	0	0	0	0	0	0		Ongoing
Rivercess	102	83	22	54	7	0	1	0	1	1.3	0	0		Ongoing
River Gee	29	19	3	0	16	0	0	0	0	0	6	4	33	Ongoing
<b>Total</b>	<b>10,672</b>	<b>10,154</b>	<b>482</b>	<b>8,938</b>	<b>734</b>	<b>5</b>	<b>76</b>	<b>12</b>	<b>93</b>	<b>14.7</b>	<b>125</b>	<b>202</b>		

## 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 Gedeh, Grand Kru, and Maryland).
- Active case search
- Line listing of cases

### III. Case Management

- Patients were managed at health facilities and sent for home-based isolation

### IV. Laboratory

- Specimens were collected from 12 districts in 9 counties for testing (Bong-Penta, GCM-Gola Konneh, Grand Gedeh-Gbao, Putu, Cavalla, and Konobo Sinoe-Jaedae, River Gee- Gbeapo, Grand Kru-Jroah, and Trehn, Rivercess-Yamie, and Sinoe-Jaedae).

### V. Immunization

- Completed the plan to conduct a mini-vaccination campaign in the 6 health districts in Grand Gedeh County
- Target age group 7-59 months
- Targeted 5,927 children to be vaccinated

### V. Immunization

- Awareness and health education are ongoing on the prevention and control of Measles at the health facility awareness



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## Acute Flaccid Paralysis (AFP)

- ☞ One (1) case was reported from Grand Cape Mount County
- ☞ Specimen was collected and shipped
- ☞ Cumulatively, fifteen (15) cases were reported

## Neonatal Tetanus

- ☞ One (1) case was reported from Montserrado County
- ☞ Cumulatively, twenty (20) 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

## Viral Hemorrhagic Diseases

### Lassa fever

- ☞ Three (3) suspected cases were reported from Grand Bassa (2), and Montserrado (1) Counties
- ☞ Three (3) specimens were collected and tested: 2 negative, 1 positive (Grand Bassa)
- ☞ Cumulatively eighty-six (86) suspected cases reported
  - Proportion of suspected cases with a sample collected (75/86) 87%
  - Proportion of suspected cases with sample tested (75/75) 100%

## Current Outbreak

### Lassa fever disease

- ☞ One new confirmed case was reported
- ☞ Forty-six (46) contacts under 21 days' follow-up
- ☞ Cumulatively, sixty-nine (69) laboratory-confirmed cases including 18 deaths reported (CFR=26%)



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**Table 5: Summary of Lassa fever Outbreak, Liberia, Jan 6, 2022-April 2, 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	108	38	8	9	24	366	120	366	0
Nimba	Feb. 6, 2023 to date	Sannioullie-Mah & Tappita	6	3	0	1	33	79	52	79	0
Grand Bassa	Sept. 9, 2022 to date	District #3 A&B	49	25	0	6	25	139	22	129	10
Montserrado	Feb 13, 2023 to date	Central Monrovia	6	3	0	2	67	46	15	46	0
<b>Total</b>		<b>4</b>	<b>169</b>	<b>69</b>	<b>8</b>	<b>18</b>	<b>26</b>	<b>630</b>	<b>209</b>	<b>620</b>	<b>10</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 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

- ☞ Six (6) cases were reported from River Gee (2), Grand Kru (2), Grand Cape Mount (1), and Nimba (1) Counties
- ☞ Four (4) specimens were collected and pending testing
- ☞ Cumulatively, thirty (30) suspected cases reported
  - Proportion of suspected cases with samples collected (30/30) 100%
    - 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 (11/30) 37%
    - Negative- 11
    - Pending testing -16

## Ebola Virus Disease

- ☞ Zero suspected cases reported



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## Diarrheal Diseases

### Acute Bloody Diarrhea (Suspected Shigellosis)

- ☞ Fifteen (15) cases were reported from Sinoe (7), Lofa (3), Grand Kru (1), River Gee (1), Grand Gedeh (1), Bong (1), and Nimba (1) Counties
- ☞ Six (6) specimens were collected and pending testing
- ☞ Cumulatively, one hundred fifty-three (153) cases were reported
  - Forty-four (44) specimens were collected and received by NPHRL:
    - 29 negative
    - 7 specimens rejected
    - 8 pending testing
  - Six (6) specimens were not transported in epi weeks 8 & 12

### Severe Acute Watery Diarrhea (Suspected Cholera)

- ☞ Thirteen (13) cases were reported from Montserrado (3), Lofa (3), Grand Kru (3), Bong (2,) and Maryland (2) Counties
- ☞ Five (5) specimens were collected and pending arrival at the lab
- ☞ Cumulatively, two hundred six (206) cases reported
  - Thirty-one specimens collected and received by NPHRL
    - 24 negative
    - 7 rejected
  - Nine (9) specimens were not transported in epi weeks 8 & 12

## Other Reportable Diseases

### Animal bite (Human Exposure to Rabies)

- ☞ One hundred one (101) animal bite cases were reported:

**Table 7: Distribution of Animal bite cases and PEP administration per county, Liberia, Epi week 13, 2023**

Counties	Cases	Person receiving PEP	PEP doses administered	Cumulative cases (Wk 1-13)	Cumulative PEP administered (Wk 1-13)
Bomi	2	2	2	17	7
Bong	13	8	8	61	24
Gbarpolu	1	0	0	10	0
Grand Bassa	8	0	0	65	3
Grand Cape Mount	3	3	3	27	12
Grand Gedeh	5	1	1	33	2
Grand Kru	4	6	0	73	15
Lofa	9	3	0	69	16
Margibi	5	3	3	54	29
Maryland	9	3	0	31	12
Montserrado	22	1	3	153	68
Nimba	4	0	1	84	24
Rivercess	3	0	0	15	5
River Gee	5	0	0	31	0
Sinoe	8	0	0	31	1
<b>Total</b>	<b>101</b>	<b>30 (30%)</b>	<b>21</b>	<b>754</b>	<b>218</b>

Legend

1-2 doses

3-4 doses

5 doses



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## Public Health Actions

- ☞ Ongoing monitoring and follow-up of cases

### Meningitis

- ☞ Two (2) suspected cases (including 1 death) were reported from Maryland County
- ☞ Specimens were collected but not transported to NPHRL
- ☞ Cumulatively, twelve (12) suspected cases reported
  - Proportion of suspected cases with samples collected (10/12) 83%
  - Proportion of sample tested (7/10) 70%

### Mpox

- ☞ Four (4) suspected cases were reported from Lofa (3), and River Gee (1) Counties
- ☞ Four (4) specimens were collected and tested negative
- ☞ Cumulatively, forty (40) suspected cases reported
- ☞ Five confirmed: Rivercess (2), Grand Cape Mount (2), and Gbarpolu (1) Counties

### Outbreak

#### Mpox:

- ☞ No new confirmed case was reported
- ☞ Total confirmed cases reported: 8
- ☞ Total contacts under follow-up: 7
- ☞ Counties currently in outbreak: 3

**Table 8: Summary of Mpox Outbreak, Liberia, Dec 5, 2022 – April 2, 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	16	2	0	16
		Jo-River	1	1	0	0	6	2	0	6
Grand Cape Mt	Feb 24 to date	Garwula	2	2	0	0	6	0	0	6
Gbarpolu	March 17, 2023 to date	Belle	2	1	0	0	7	0	7	0
<b>Total</b>		<b>4</b>	<b>8</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>35</b>	<b>4</b>	<b>7</b>	<b>28</b>

## 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





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## III. Case management and IPC

- Symptomatic treatment of the suspected case initiated
- IPC measures instituted in affected communities and school

## 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 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

Eight (8) deaths were reported from Montserrado (6), Bong (1), and Nimba (1) Counties

Reported causes: PPH (4), Eclampsia (1), Sepsis (1), pending (2),

Reported sites:

- Health facility: 7/8 (88%)
- Community: 1/8 (12%)

Cumulatively, seventy-six (76) deaths reported

- Proportion of death reviewed (23/76) 30%
- Proportion of community death (12/74) 16%

### Neonatal Mortality

Eighteen (18) deaths were reported: Montserrado (11), Margibi (3), Maryland (2), Rivercess (1), and Nimba (1) Counties

Reported causes: Birth Asphyxia (11), Preterm (5), Sepsis (1), and Neonatal tetanus (1)

Reporting sites:

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

Cumulatively, one hundred seventy-eight (178) deaths reported

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

Thirty-five (35) cases were reported from Sinoe (13), Grand Bassa (10), Lofa (4), Rivercess (4), Grand Cape Mount (3) and Grand Gedeh (1)

All reported cases were non-serious

Related vaccine:

- COVID-19/J&J (20/35) 57%
- Penta (7/35) 20%
- Measles (2/35) 6%
- Others (6/35) 17%

Cumulatively, one hundred sixty-six (166) events were reported and COVID-19 accounted for (91/166) 55%



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## Border Surveillance Update

A total of 5,598 travelers were recorded for the week with incoming travelers accounting for 45% (2,533/5,598)

**Table 9: Border activity at the PoE for Incoming and Outgoing Travelers, Liberia, Epi week 13, 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	34	9	25	0	0	0	0	0	0	0
	Robert Int'l Airport	4302	1892	2410	4302	0	0	0	0	0	4302
Seaport	Freeport of Monrovia	154	77	77	154	0	0	0	0	0	154
	Buchanan Port	116	58	58	116	0	0	0	0	0	116
Land Crossing	Bo Water Side	633	319	314	620	0	0	12	0	0	630
	Ganta	223	107	116	112	1	1	6	0	0	117
	Yekepa	46	20	26	34	0	0	0	0	0	33
	Loguatu	90	51	39	72	0	0	0	0	0	62
<b>Totol</b>		<b>5,598</b>	<b>2,533</b>	<b>3,065</b>	<b>5,410</b>	<b>1</b>	<b>1</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>5,414</b>

*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 Nimba County
- ☛ IDSR data harmonization ongoing in Bong and Montserrado Counties

### 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	1	0	0	0	0	0	0	0	0	0	0	1	15	0		
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Measles	A	8	10	0	0	6	16	55	4	14	37	45	11	8	2	6	222	2,211	16		
		D	0	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	20	0		
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	
	Yellow fever	A	0	0	0	0	1	0	2	0	0	0	0	1	0	2	0	6	30	0		
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Viral Hemorrhagic Febrile Diseases	Dengue fever	A	0	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	0	0
	Ebola Virus Disease	A	0	0	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	0	0
	Lassa fever	A	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	3	73	18	0	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	8	0	
Influenza-Like Illnesses	COVID-19	A	0	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	0	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diarrhoeal Diseases	Acute Bloody Diarrhoea (Shigellosis)	A	0	1	0	0	0	1	1	3	0	0	0	1	0	1	7	15	153	0	0	
		D	0	0	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	3	0	2	3	0	0	0	0	13	206	0	0	
		D	0	0	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	1	0	0	0	0	0	0	0	6	1	0	0	0	8	76				
	Neonatal Mortality	D	0	0	0	0	0	0	0	3	2	11	1	1	0	0	18	177				
	AEFI	A	0	0	0	10	3	1	0	4	0	0	0	0	4	0	13	35	166	0	0	
		D	0	0	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	0	0
D	0	0	0	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	0	0	0	3	0	0	0	0	0	1	0	4	40	5	0	0	
		D	0	0	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	0	0
		D	0	0	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	13	1	8	3	5	4	9	5	9	22	4	3	5	8	101	754	0	0	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Meningitis	A	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	11	0	0	0
		D	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	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	0	0	
	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Neglected Tropical Diseases	Buruli Ulcer	A	0	0	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	0	0
	Yaws	A	0	0	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	0	0
<b>TOTAL</b>		<b>10</b>	<b>27</b>	<b>1</b>	<b>20</b>	<b>0</b>	<b>23</b>	<b>0</b>	<b>26</b>	<b>0</b>	<b>52</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>11</b>	<b>34</b>	<b>429</b>	<b>3950</b>	<b>31</b>	<b>0</b>	<b>0</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

Ralph W. Jetoh, MD, MPH  
**Director**

Infectious Disease and Epidemiology Division  
National Public Health Institute of Liberia  
Republic of Liberia

Email: [ralphica2000@gmail.com](mailto:ralphica2000@gmail.com)

Phone: +231 886526388/777372655

Website: [www.nphil.gov.lr](http://www.nphil.gov.lr)

## 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.