



# Liberia IDSR Epidemiology Bulletin

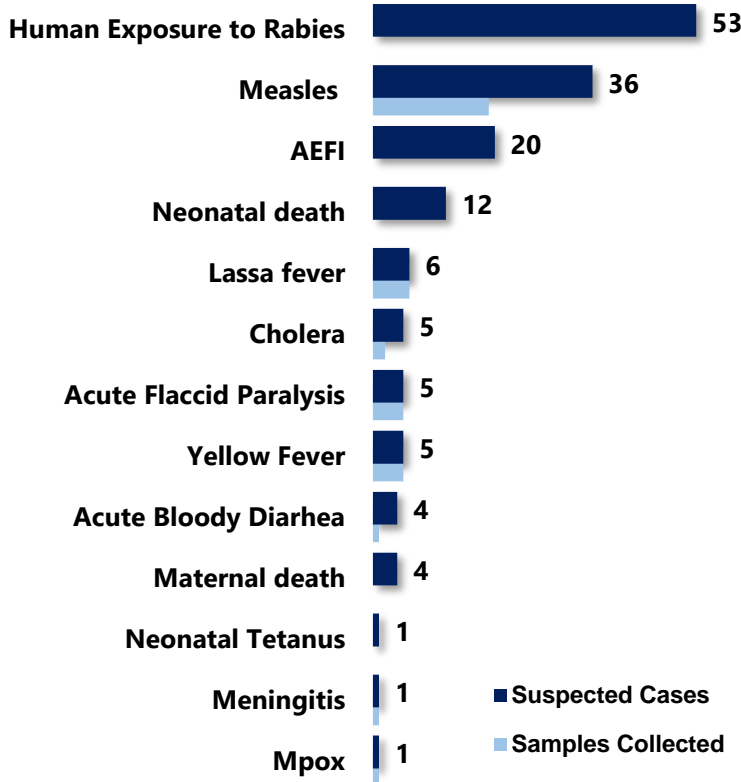
Epi-week 20 (May 13-19, 2024)

Country Population: 5,104,413 | Volume 20 Issue 20 | May 13-19, 2024

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 153 events of public health importance including 16 deaths reported
- ◆ Completeness and timeliness of health facility reports were both 99%
- ◆ Ongoing Lassa fever outbreak in four Counties
- ◆ Ongoing Measles outbreak in seven Counties
- ◆ Ongoing Mpox outbreak in Grand Kru County

## Reporting Coverage

Table 1: Health Facility Weekly IDSR Reporting Coverage, Liberia, Epi-week 19, 2024

County	Expected Reports from HF*	Reports Received	Received on Time	Completeness (%)	Timeliness (%)
Bomi	29	29	29	100	100
Bong	66	65	65	98	98
Gbarpolu	18	18	18	100	100
Grand Bassa	38	38	38	100	100
Grand Cape Mount	36	36	36	100	100
Grand Gedeh	25	25	25	100	100
Grand Kru	25	25	25	100	100
Lofa	60	60	60	100	100
Margibi	62	62	62	100	100
Maryland	27	27	27	100	100
Montserrado	391	385	385	98	98
Nimba	102	102	102	100	100
Rivercess	21	21	21	100	100
River Gee	21	21	21	100	100
Sinoe	41	41	41	100	100
<b>Liberia</b>	<b>962</b>	<b>955</b>	<b>955</b>	<b>99</b>	<b>99</b>

955 (99%) Health facilities reported IDSR data

98(100%) Health districts reported IDSR data

955(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

## Vaccine-Preventable Diseases

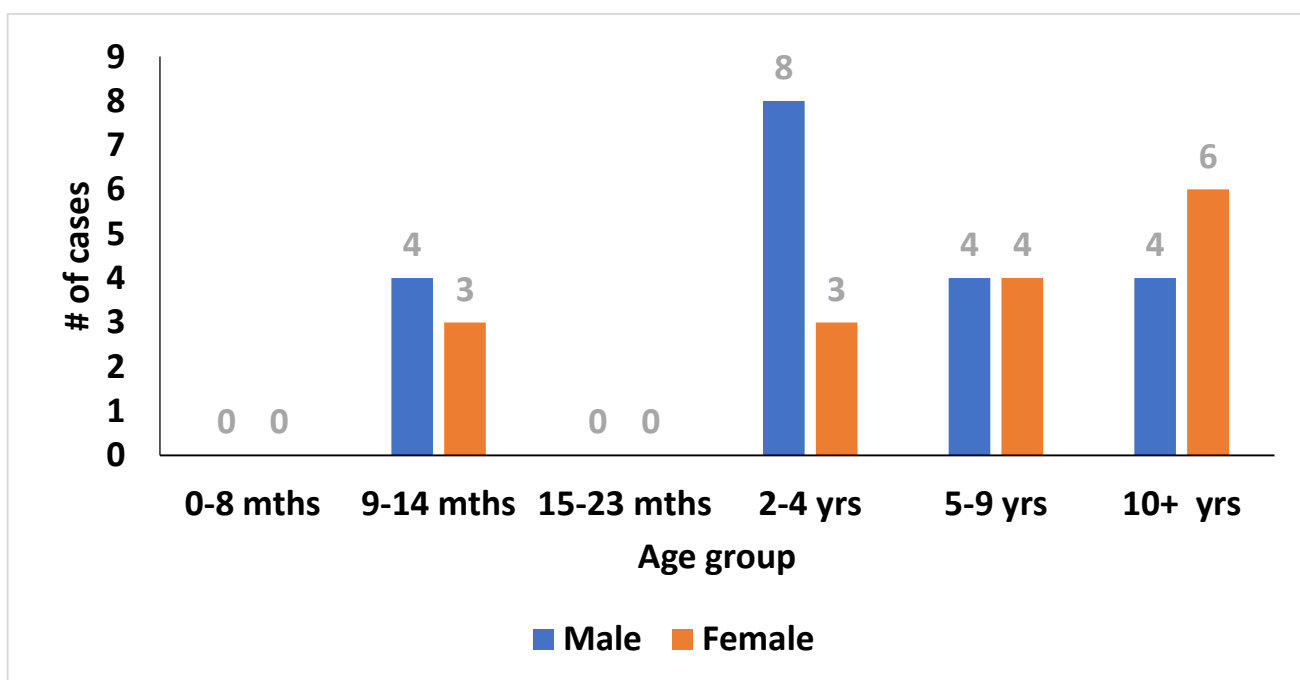
### Measles

- ☞ Thirty-six (36) suspected cases were reported (see table below)
  - Nineteen (19) specimens were collected and pending testing
  - The proportion of suspected cases vaccinated (23/36) 64%
- ☞ Cumulatively, nine hundred sixty-four (964) cases reported
  - Proportion of suspected cases with sample collected (418/964) 43%
  - Proportion of suspected cases with sample tested (292/418) 70% (negative 185, confirmed 107)
  - Proportion of negative Measles cases tested for Rubella (175/185) 95% (negative 157, confirmed 18)

**Table 2: Distribution and Vaccination Status of Measles Cases, Liberia, Epi-week 20, 2024**

**Number of Doses Received**

County	# of cases	Vaccinated	One Dose	Two Doses	Doses Not Indicated
Bong	1	0	0	0	0
Gbarpolu	6	6	6	0	0
Grand Gedeh	9	5	3	0	2
Grand Kru	4	3	2	1	0
Maryland	6	2	1	1	0
Montserrado	1	0	0	0	0
Nimba	7	5	2	1	2
Rivercess	1	1	1	0	0
Sinoe	1	1	1	0	0
<b>Total</b>	<b>36</b>	<b>23</b>	<b>16</b>	<b>3</b>	<b>4</b>



**Figure 2: Suspected Measles Cases by Age group and Sex, Liberia Epi week 20, 2024**

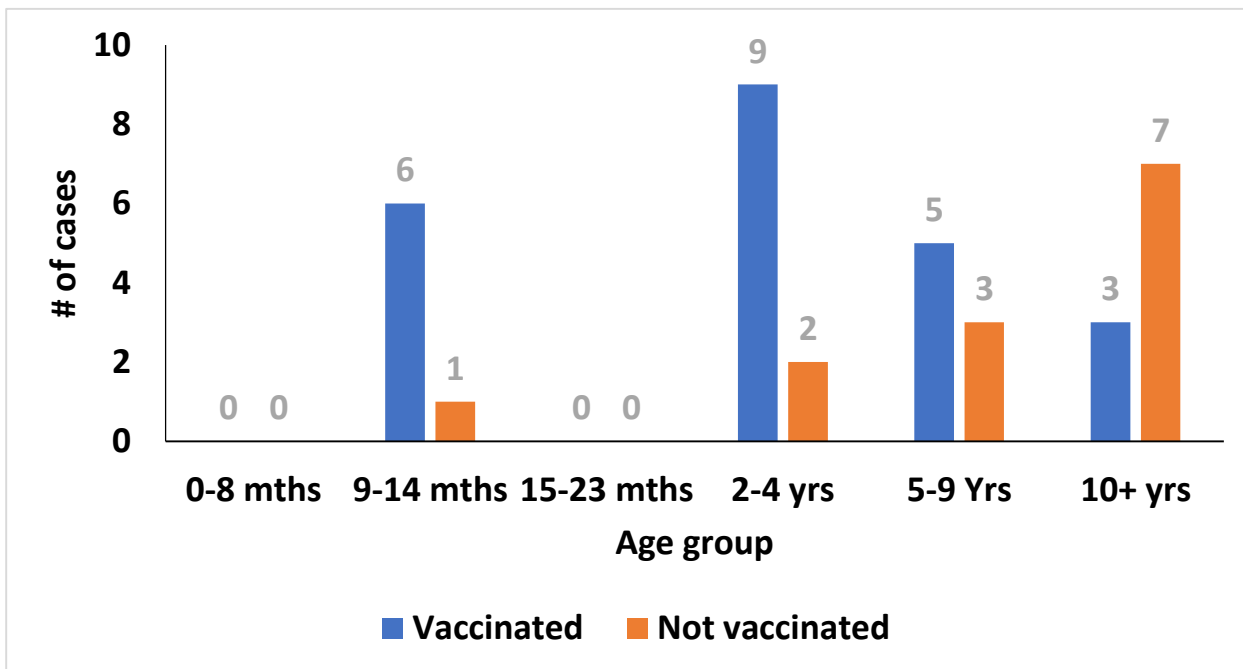


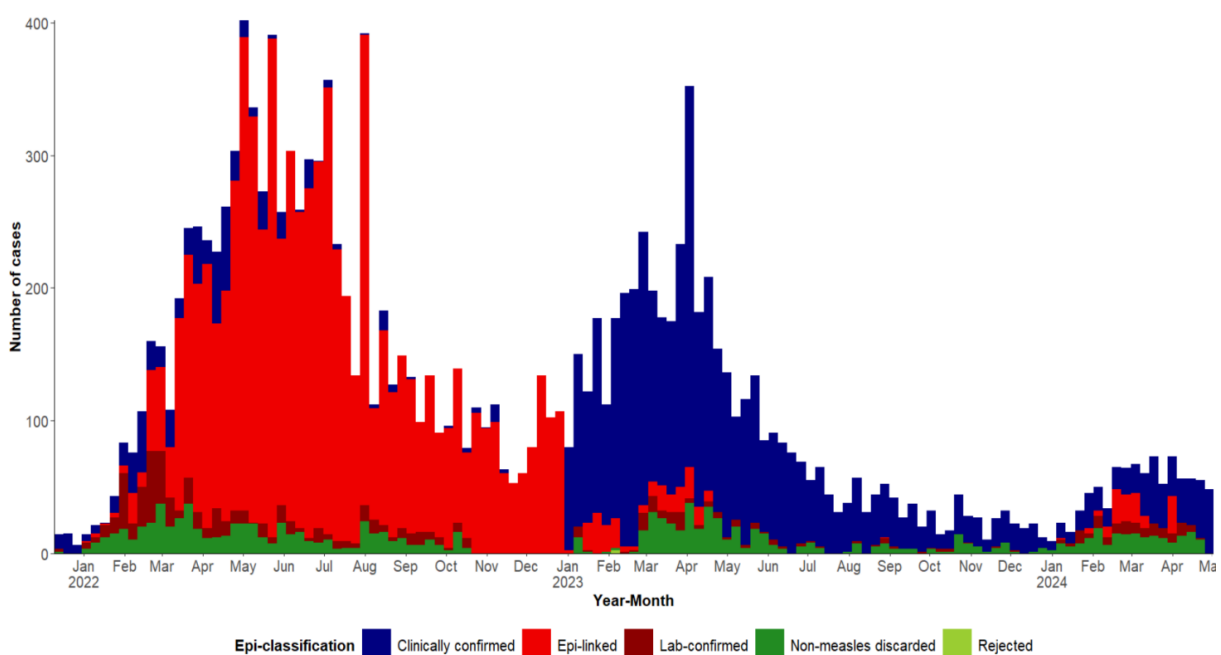
Figure 3: Suspected Measles Cases by Age Group and Vaccination Status, Liberia, Epi-Week 20, 2024

Table 3: Status of Confirmed (lab, clinically confirmed, and epi-linked) Measles Cases by County, Liberia, December 13, 2021- May 19, 2024

COUNTY	CUMULATIVE SUSPECTED CASES	CUMULATIVE CONFIRMED CASES	CLASSIFICATION OF CONFIRMED CASES			CLASSIFICATION OF CONFIRMED DEATHS			CUMULATIVE DEATHS	CFR (%)	# CONFIRMED CASES WEEK 18	# CONFIRMED CASES WEEK 19	Outbreak Status
			Lab confirmed	Epi Linked	Clinically Compatible	Lab confirmed	Epi Linked	Clinically Compatible					
Montserrado	5,456	5,373	148	1638	3,567	3	61	5	69	1.3	0	0	Ended
Nimba	1,261	1,236	19	259	918	0	1	3	4	0.4	12	17	Ongoing
Margibi	827	803	37	156	610	0	0	1	1	0.1	0	0	Ended
Grand Bassa	962	924	41	212	671	1	0	6	7	0.9	0	0	Ended
Lofa	361	292	35	66	191	0	0	0	0	0	0	3	Ongoing
Bong	603	578	25	21	532	0	1	2	3	0.5	0	0	Ended
Mayland	1291	1281	33	361	887	0	0	0	0	0	12	8	Ongoing
Grand Gedeh	724	574	65	114	395	0	0	0	0	0	2	2	Ongoing
Sinoe	298	243	48	84	111	0	0	0	0	0	2	4	Ongoing
Boni	183	147	37	27	83	1	2	2	5	3	0	0	Ended
Grid Cape Mt	215	187	23	18	146	0	2	1	3	1.6	0	0	Ended
Grand Kru	1112	1,080	50	190	840	0	0	2	2	0.2	2	7	Ongoing
Gbarpolo	67	46	5	2	39	0	0	0	0	0	0	0	Ended
Rivercess	112	84	26	34	4	0	1	0	1	1.1	0	0	Ended
River Gee	151	118	30	38	50	0	0	0	0	0	2	4	Ongoing
<b>Total</b>	<b>19,625</b>	<b>12,966</b>	<b>662</b>	<b>3,240</b>	<b>9,064</b>	<b>5</b>	<b>68</b>	<b>22</b>	<b>95</b>	<b>7.8</b>	<b>32</b>	<b>45</b>	

**Table 4: Status of Confirmed Measles Cases by County, Liberia, December 13, 2021 - May 19, 2024**

County	Total Cases	Active	Recovery	Deaths	# of Districts
Montserrado	5,373	0	5,304	69	0/7
Nimba	1,244	17	1,232	4	4/6
Grand Bassa	924	0	917	7	0/8
Margibi	803	0	802	1	0/4
Bong	578	0	575	3	0/9
Maryland	1,287	8	1281	0	3/6
Lofa	292	3	292	0	1/6
Grand Kru	1,085	7	1079	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	582	2	574	0	1/6
River Gee	118	4	118	0	1/6
Sinoe	243	0	243	0	2/10
<b>Total</b>	<b>12,993</b>	<b>26</b>	<b>12,872</b>	<b>95</b>	<b>15/98</b>



**Figure 4: Epi-curve of Measles Cases by Epi-classification, Liberia, 13 December 2021 – 19 May 2024**

## PUBLIC HEALTH RESPONSE

### I. Coordination

- IMS meetings are being held for coordination and mobilization of resources in affected Counties.

### II. Epidemiological Surveillance

- Active case search ongoing in affected and surrounding communities in Grand Kru County.

### III. Case management

- Case management ongoing in affected counties

### IV. Immunization

- Routine immunization intensified in affected districts in Grand Kru County.
- One hundred eighty-four (184) children under 2 years were vaccinated in Grand Kru County
  - Males 78 (42.4%)
  - Females 106 (57.6%)

### V. Laboratory

- Six hundred six-two (662) cases have been confirmed by the NPHRL from December 13, 2021 – May 22, 2024.

### VI. Risk Communication and Community Engagement

- Continual community advocacy meetings with local leaders and family members in the affected communities (Grand Kru)

### Challenges

- No specimen collection kit in Lofa County
- Limited supply of essential medications and medical supplies for case management in affected counties

### Acute Flaccid Paralysis (AFP)

- ☞ Five (5) cases were reported from Nimba (3), Sinoe (1), and Lofa (1) Counties
  - Five (5) specimens were collected: 4 shipped and 1 pending arrival to NRL
- ☞ Cumulatively, forty-two (42) cases have been reported
  - Fourteen (14) tested negative, One (NPENT), 22 pending testing

### Neonatal Tetanus

- ☞ One (1) case was reported from Montserrado County
- ☞ Cumulatively, twelve (12) cases have been reported including four (4) deaths

### Influenza-Like Illnesses

#### Coronavirus Disease (COVID-19)

- ☞ Zero suspected cases reported
- ☞ Cumulatively, two (2) cases have been reported

#### Influenza

- ☞ Zero cases reported
- ☞ Cumulatively, seventy (70) suspected cases reported
  - Seventy (70) specimens were collected: 65 tested negative, 5 specimens were discarded

## Viral Hemorrhagic Fever

### Lassa fever

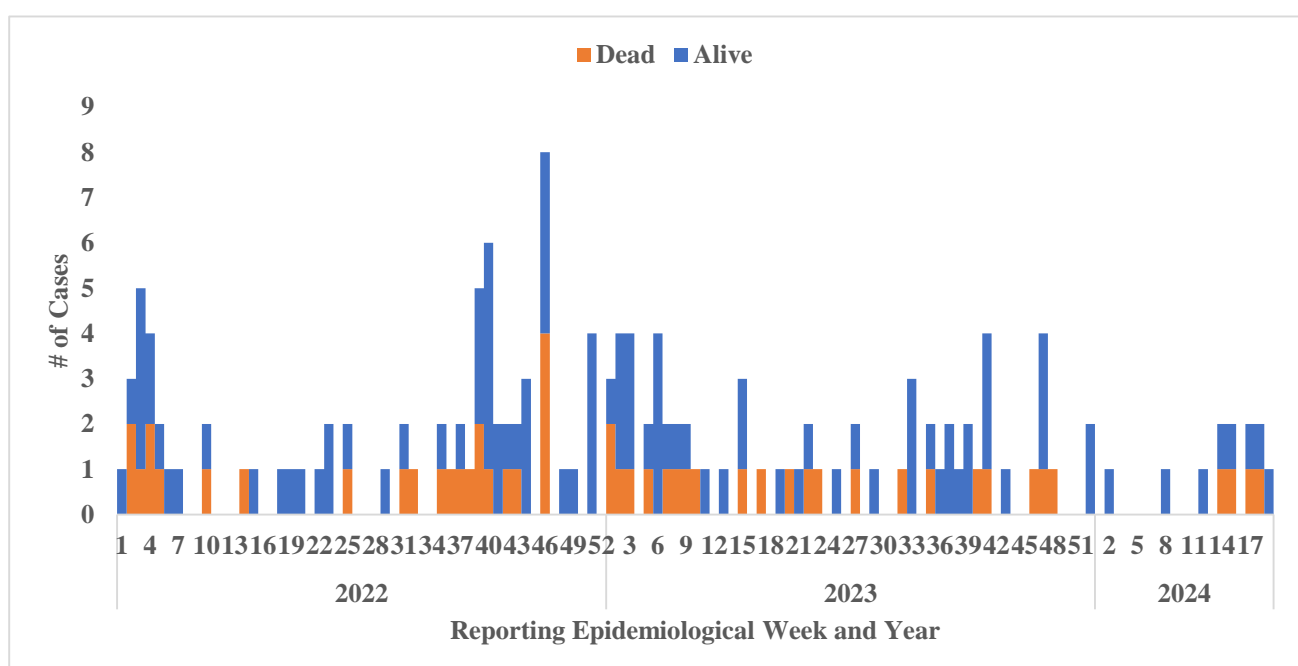
- ☞ Six (6) suspected cases were reported from Nimba (4), Grand Bassa (1), and Bong (1) Counties
  - All specimens were collected and tested: 1 positive, and 5 negative
- ☞ Cumulatively, ninety-one (91) suspected cases have been reported
  - Proportion of suspected cases with the sample collected (91/91) 100%
  - Proportion of suspected cases with sample tested (87/91) 96%
    - Confirmed 13 including 4 deaths, negative 74, and discarded 4
    - Case fatality rate: (4/13) 31%

### Outbreak

- ☞ One new confirmed case reported from Bassa County
- ☞ Total of 114 contacts including 26 HCWs line-listed
  - Twelve (12) contacts under 21 days of follow-up
- ☞ A total of 151 confirmed cases including 45 deaths reported
- ☞ Cumulative Case Fatality Rate (CFR): 30% (45/151)
- ☞ Four counties are currently in outbreak

**Table 5: Summary of Lassa fever Outbreak, Liberia, January 6, 2022- May 19, 2024**

County	Outbreak Districts	Outbreak Start Date	Total suspected	Total confirmed	HCWs confirmed	Total Deaths	Deaths in HCWs	CFR %	Total Contacts	# HCW contacts	Contacts became cases	Contacts under follow up	Contacts completed	Days in countdown	Outbreak Status
Montserrado	Bushrod	13-Feb-23	17	1	0	0	0	0%	29	21	0	0	29	Completed	Ended
	Central Morro	27-Nov-23	1	2	0	1	0	50%	49	0	0	0	49	Completed	Ended
	Central Morro	3-Mar-23	38	2	0	1	0	50%	28	27	0	0	28	Completed	Ended
	Bushrod	30-Apr-24	2	1	0	0	0	0%	14	6	0	0	14	4	Countdown
Bong	Suakoko	21-Apr-23	192	54	18	13	2	24%	496	114	6	0	417	Completed	Ended
	Jorquelleh	15-Oct-23	14	6	3	1	1	17%	121	86	3	0	169	Completed	Ended
	Suakoko	23-Feb-24	15	3	0	0	0	0%	29	14	0	0	24	3	Countdown
	Salala	8-Mar-24	2	2	0	1	0	50%	21	0	0	0	21	3	Countdown
	Jorquelleh	11-Apr-24	2	1	0	1	0	0%	22	17	0	0	22	29	Countdown
Grand Bassa	District 3A&B	21-Aug-23	87	44	0	10	0	23%	177	40	40	0	159	Completed	Ended
	Buchanan	11-Aug-23	2	1	0	1	0	100%	4	2	0	0	4	Completed	Ended
	District 3A&B	30-Apr-24	5	3	0	1	0	33%	12	3	0	12	0	Active	Ongoing
Nimba	Saclepea-Mah	21-Nov-23	4	2	0	1	0	50%	5	0	0	0	5	Completed	Ended
	Sarmiquellie-Mah	6-Feb-23	42	15	0	6	0	40%	43	35	8	0	43	Completed	Ended
	Tappita	20-Nov-23	12	5	0	3	0	60%	88	39	4	0	77	Completed	Ended
	Bain-Garr	1-Jun-23	24	6	0	3	0	50%	61	25	0	0	31	Completed	Ended
	Bain-Garr	15-Apr-24	5	2	0	1	0	50%	25	7	0	0	25	2	Countdown
River Gee	Punapo	25-Nov-22	2	1	0	1	0	100%	14	0	0	0	14	Completed	Ended
<b>Total</b>			<b>466</b>	<b>151</b>	<b>21</b>	<b>45</b>	<b>3</b>	<b>30%</b>	<b>1238</b>	<b>436</b>	<b>61</b>	<b>12</b>	<b>1131</b>		



**Figure 5: Epi-curve of Confirmed Lassa fever cases, Liberia, January 30, 2022- May 19, 2024**

## Public Health Measures

### I. Coordination

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

### II. Surveillance

- Active case search ongoing in affected communities and districts
- Twelve (12) contacts under 21 days follow up
- Weekly sit-reps developed and disseminated to stakeholders

### III. Laboratory

- The National Public Health Reference Laboratory continues testing of Lassa fever samples
- A total of 151 Lassa fever cases have been confirmed since this outbreak

### IV. Case management and IPC

- Ribavirin supply in the country is being distributed for treatment of Lf cases to affected counties
- The case was treated with Ribavirin and discharged
- There is no case currently in isolation

## Challenges

- Limited supply of IPC materials in affected counties
- Limited logistics (gasoline, communication cards, fuel, etc) to support active case search and contact tracing in the affected county

## Yellow Fever

- ☞ Five (5) suspected cases reported from Nimba (3), Grand Kru (1), and Gbarpolu (1) Counties
- ☞ Specimens collected and pending testing
- ☞ Cumulatively, forty-two (42) cases have been reported
  - Proportion of suspected cases with samples collected (38/42) 90%, however, 4 samples were discarded\*
  - Proportion of suspected cases with samples tested (33/38) 87% (negative 33)
  - Seven (7) samples pending testing

## Dengue

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

## Ebola Virus Disease

- ☞ Zero cases reported

## Diarrheal Diseases

### Acute Bloody Diarrhea (Suspected Shigellosis)

- ☞ Four (4) cases were reported from Grand Gedeh, Sinoe, Margibi, and Rivercess Counties
- ☞ One specimen was collected and pending testing
- ☞ Cumulatively, one hundred eighty-four (184) cases have been reported
  - 102 specimens were collected, 78 reached the Lab
  - 73 tested negative, 4 rejected, 1 pending testing

### Severe Acute Watery Diarrhea (Suspected Cholera)

- ☞ Five (5) cases were reported from Bong (3), Grand Bassa (1), and Grand Gedeh (1) Counties
  - Two specimens were collected and pending testing
- ☞ Cumulatively, one hundred twenty-three (123) cases have been reported
  - 67 specimens collected, 40 reached the Lab
  - 23 tested negative, 3 rejected, and 14 pending testing

## Other Reportable Diseases

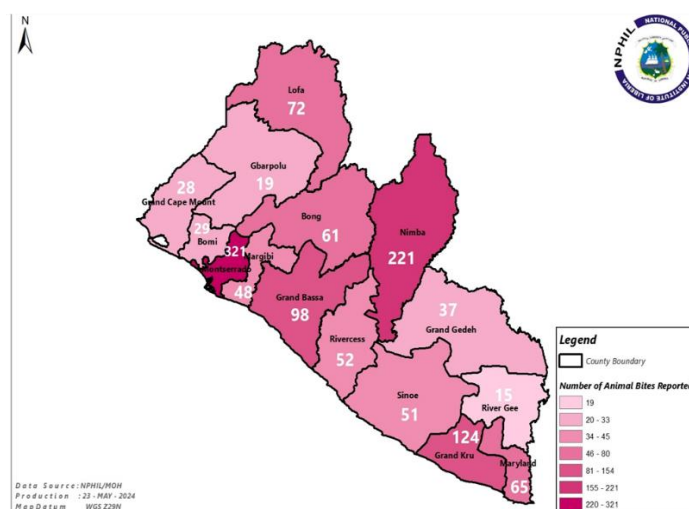
### Animal bite (Human Exposure to Rabies)

- Fifty- three (53) animal bite cases were reported from Nimba, (14), Montserrado (13), Grand Kru (5), Grand Bassa (3), Lofa (3), Grand Gedeh (3), Rivercess (3), Sinoe (3), Bong (2), Grand Cape Mount (1), Bomi (1), and Margibi (1) Counties
- All bites were attributed to dog
- Proportion of cases investigated: 31/53 (58%)
- Proportion of dogs vaccinated: 0/53 (0%)
- Cumulatively, 1,257 cases have been reported

### Public Health Actions

- PEP Administered to 10 persons (20%): Montserrado (7), Nimba (2), and Bong (2) Counties
- All cases were investigated only by the human health surveillance team

### Distribution of Human Exposure to Animal bites (Dog) Cases by County, Liberia Epi week 1-20, 2024



### Meningitis

- One suspected case reported from Montserrado County
- Specimen was collected and tested negative
- Cumulatively, sixteen (16) suspected cases have been reported
  - Proportion of specimen collected (14/16) 88%, 2 specimens not collected
  - Proportion of specimens tested (12/14) 86% (11 negative, 1 positive)

### Mpox

- One (1) suspected case was reported from Grand Kru County
  - Specimen was collected and tested negative
- Cumulatively, thirty-seven (37) suspected cases have been reported with 30 samples collected, of which, 5 tested positive, 21 negative, and 1 rejected with 3 pending testing

### Outbreak

- One new confirmed case reported from Trehn District, Grand Kru County
- A total of 20 contacts have been line-listed and being followed up for 21 days
- Cumulatively 2 cases (1 positive, 1 suspected) have been reported since the beginning of the outbreak

### Situational Context of the Index case

On May 6, 2024, a 24-year-old female patient (referred to as HH) from Behwan Community in Trehn Health District, Grand Kru County, visited Behwan Health Center. She complained of headache, fever, lack of appetite, generalized body pain, and a rash that began on May 2, 2024, after returning from the farm. The clinician suspected Monkeypox and promptly informed the District Surveillance Officer (DSO). Simultaneously, a whole blood sample was collected and sent to the National Public Health Reference Laboratory (NPHRL) for investigation. The patient received treatment, including Ceftriaxone (1g intravenously twice a day for 3 days), Erythromycin (500mg orally twice a day for 5 days), Paracetamol (1g orally twice a day for 3 days), and a daily multivitamin for 10 days.



On May 10, 2024, the NPHRL confirmed the positive result. The DSO-led team was dispatched to the patient's community on May 13, 2024, to investigate, identify additional cases, compile a list of potential contacts, and implement public health control measures (including IPC and risk assessment). As of May 15, 2024, twenty (20) contacts are under monitoring for signs or symptoms of the disease

## **Public Health Measures**

### **I. Coordination**

- The district rapid response team has been activated
- Investigation is currently ongoing in the field
- Coordination is ongoing at county and district levels
- First county coordination meeting has been scheduled for Friday, May 17, 2024

### **II. Epi-surveillance**

- Contact tracing and line listing are ongoing in the affected community and its surroundings
- Twenty (20) contacts have been line-listed undergoing daily monitoring as of May 14, 2024
- Active case search is ongoing in the affected communities and its surroundings

### **III. Risk Communication & Community Engagement**

- Community engagement meetings with local authorities in the affected communities are ongoing
- Awareness and health education on the spread and prevention of the disease in the affected communities and its surroundings are ongoing

### **IV. Infection Prevention and Control (IPC)**

- Reinforced hand washing in the affected community
- Inventory on IPC materials are being conducted at the various health facility

### **V. Case Management**

- Ensured isolations of suspected, probable, and confirmed cases
- Treatment of confirmed case is in progress

## **Planned Activities**

- Conduct regular radio talk shows to create awareness and health education on the prevention and spread of the disease
- Intensify active case search in the affected communities and their surroundings
- Continue community engagement activities in the affected communities
- Monitor contacts daily for signs and symptoms of Mpox
- Conduct IMS meeting every week

## **Challenges**

- No gasoline support to intensify response activities
- No feeding support for patients at the treatment units
- No internet and communication support for the response team
- No DSA for responders

## Unexplained cluster of deaths

- Zero cases reported

## An Unexplained Cluster of Health Events

- Zero cases reported

## Other Events of Public Health Importance

### Maternal Mortality

- Four (4) deaths were reported from Nimba (2), Montserrado (1), and Margibi (1) Counties
- Reported causes: PPH (2), Antepartum hemorrhage (1), and pending review (1)
- Reporting sites:
  - Health facility (4/4) 100%
- Cumulatively, one hundred twelve (112) deaths reported
  - Proportion of deaths reviewed (35/112) 31%

### Neonatal Mortality

- Twelve (12) deaths were reported from Montserrado (5), Maryland (4), Sinoe (2), and Gbarpolu (1) Counties
- Reported causes: Birth Asphyxia (5), Sepsis (2) and pending review investigation (5)
- Reported sites:
  - Health facility (12/12) 100%
- Cumulatively, three hundred eleven (311) deaths reported
  - Proportion of deaths reviewed (77/311) 25%

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

- Twenty (20) cases were reported from Sinoe (9), Grand Cape Mount (3), Bomi (2), River Gee (2), Grand Bassa (1), Montserrado (1), Grand Gedeh (1), and Lofa (1) Counties
- All reported cases were classified as non-serious
- Related vaccine:
  - Penta (8/20) 40%
  - Measles (4/20) 20%
  - OPV (3/20) 15%
  - Others (5/20) 25%
- Cumulatively, four hundred seven eight (478) events were reported and all were classified as non-serious.

## Neglected Tropical Diseases

### YAWS

- Zero cases were reported

### Buruli Ulcer

- Zero cases were reported

## Border Surveillance Update

A total of 5309 travelers were recorded for the week with incoming travelers accounting for 54% (2904/5309)

**Table 6: Border activity at the PoE for incoming and outgoing travelers, Liberia, Epi week 20**

Type of Ports	Point of Entry	Weekly total	Arrival	Departure	Total travelers with YB	Yellow Book Damage	Card Replaced	Vaccinated against YF & Issued	Alerts detected/ Verified
Airport	James S. Paynes	82	39	43	10	0	0	0	0
	Robert Int'l Airport	3920	2125	1795	3852	1	41	8	0
Seaport	Freeport of Monrovia	272	136	136	272	0	0	0	0
	Buchanan Port	116	58	58	116	0	0	0	0
Ground Crossing	Bo Water Side	436	248	188	424	0	12	0	0
	Ganta	92	58	34	69	0	8	0	0
	Yekepa	59	33	26	14	0	0	0	0
	Loguatu	332	207	125	320	0	0	0	0
<b>Total</b>		<b>5,309</b>	<b>2,904</b>	<b>2,405</b>	<b>5,077</b>	<b>1</b>	<b>61</b>	<b>8</b>	<b>0</b>

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

## Public Health Measures

### National level

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- ▣ Providing remote technical and operational support to counties
- ▣ Produced and disseminated situation reports (Lassa fever, Measles, and Mpox outbreaks)
- ▣ Produced and disseminated weekly bulletin

### County-level

#### ▣ Surveillance

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

#### ▣ Case Management

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

**Appendix**

**Summary of Immediately Reportable Diseases, Conditions, and Events by County**

		Bomi	Bong	Gbarpolu	Grand Bassa	Grand Cape Mount	Grand Gedeh	Grand Kru	Lofa	Margibi	Maryland	Montserrado	Nimba	Rivercess	River Gee	Sinoe	Total Weekly	Cumulative Reported	Cumulative Lab-confirmed	
<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 Diseases</b>	Acute Flaccid Paralysis (Suspected Polio)	A	0	0	0	0	0	0	1	0	0	0	3	0	0	1	5	36	41	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Measles	A	0	1	6	0	0	9	4	0	0	6	1	7	1	0	1	36	929	965
		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	10	11
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
Yellow fever	A	0	0	1	0	0	0	1	0	0	0	0	3	0	0	0	5	36	41	
	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>Viral Hemorrhagic Febrile Diseases</b>	Dengue fever	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
		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	1	0	0	0	0	0	0	0	4	0	0	0	6	78	84
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7
<b>Influenza-Like Illnesses</b>	COVID-19	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
		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	69	69
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
<b>Diarrheal Diseases</b>	Acute Bloody Diarrhoea (Shigellosis)	A	0	0	0	0	1	0	0	1	0	0	0	1	0	1	4	154	158	
		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	3	0	1	0	1	0	0	0	0	0	0	0	0	0	5	118	123
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Events of Public Health Interest</b>	Maternal Mortality	D	0	0	0	0	0	0	0	1	0	1	2	0	0	0	4	109		
	Neonatal Mortality	D	0	0	1	0	0	0	0	0	4	5	0	0	0	2	12	299		
	AEFI	A	2	0	0	1	3	1	0	1	0	0	1	0	0	2	9	20	431	451
		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	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	0	1	0	0	0	0	0	0	0	0	0	1	36	37
		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	20	20
		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	2	0	4	1	3	5	3	1	0	13	14	3	0	3	53	1,204	1257
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	Meningitis	A	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	15	16
		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	
<b>Neglected Tropical Diseases</b>	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>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>153</b>	<b>3563</b>	<b>3292</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

Epidemiological bulletin published with support from WHO and CDC

### 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.