



# Liberia IDSR Epidemiology Bulletin

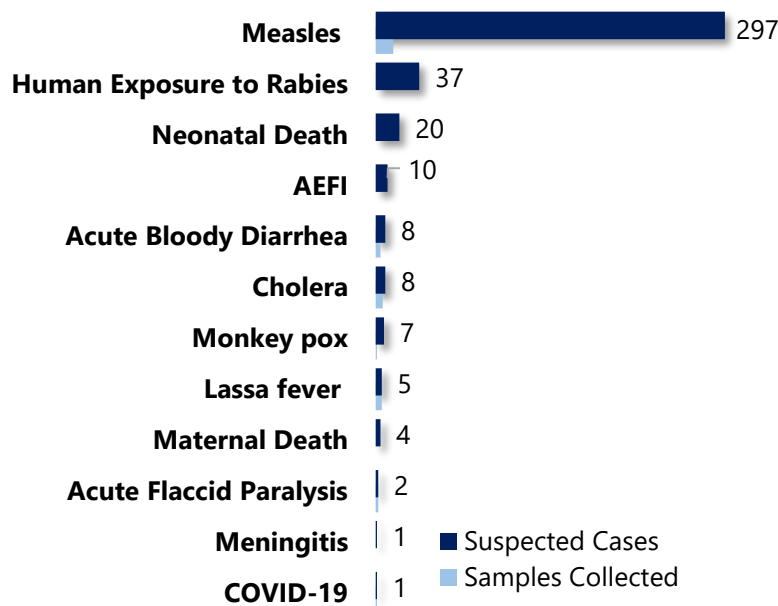
Epi-week 23 (June 6-12, 2022)

Country Population: 5,104,413 | Volume 14 Issue 23 | June 6-12, 2022

Data Source: CSOs from 15 Counties and Laboratory

## Highlights

Figure 1: Public Health Events Reported during this week



## Keynotes and Events of Public Health Significance

- ♦ A total of **400** events of public health importance including **27** deaths were reported
- ♦ Completeness and timeliness of health facility reports were both **99%**
- ♦ **Ongoing Lassa fever** outbreak in two counties
- ♦ **Ongoing Measles** outbreak in fourteen counties
- ♦ **One (1) confirmed Covid-19 case** in one county

\*Adverse Events Following Immunization /Adverse Drug Reaction

## Reporting Coverage

Table 1: Health Facility Weekly IDSR Reporting Coverage, Liberia, Epi Week 23, 2022

County	Expected from HF*	Reports Received	Received on Time	Completeness (%)	Timeliness (%)
Bomi	26	26	26	100	100
Bong	57	57	57	100	100
Gbarpolu	15	15	15	100	100
Grand Bassa	36	36	36	100	100
Grand Cape Mount	34	34	34	100	100
Grand Gedeh	24	24	24	100	100
Grand Kru	23	23	23	100	100
Lofa	66	66	66	100	100
Margibi	56	56	56	100	100
Maryland	27	27	27	100	100
Montserrado	326	326	326	100	100
Nimba	88	85	85	100	100
Rivercess	21	21	21	100	100
River Gee	20	20	20	100	100
Sinoe	37	37	37	100	100
<b>Liberia</b>	<b>856</b>	<b>853</b>	<b>853</b>	<b>99</b>	<b>99</b>

853(99%)  
Health facilities reported IDSR data

93 (100%)  
Health districts reported IDSR data

853 (99%)  
Health facilities reported timely IDSR data

- ♦ The national target for weekly IDSR reporting is 80%. Health facility timeliness is monitored at health district level
- ♦ All counties submitted weekly IDSR reports to the national level on times.

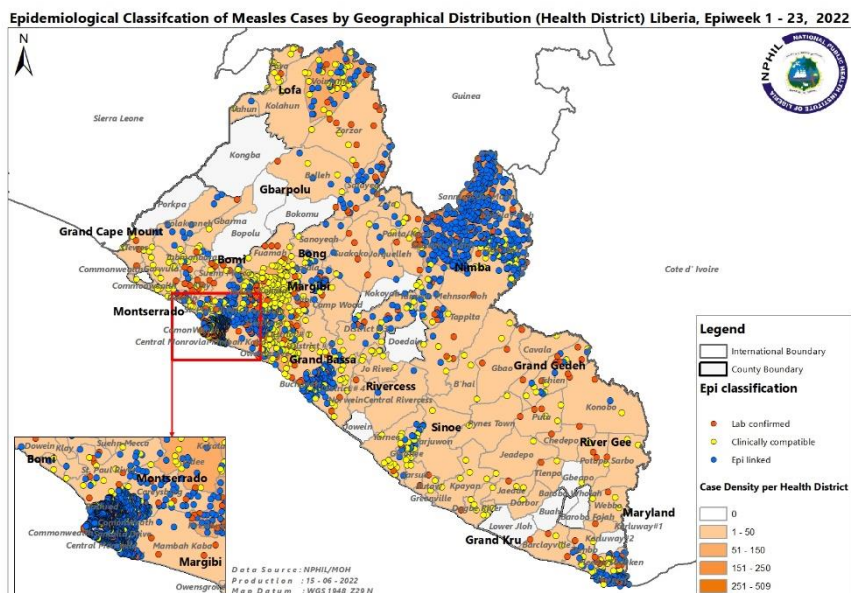
Legend:



## Vaccine Preventable Diseases

### Measles

- 👉 Two hundred ninety-seven (297) suspected cases were reported: Montserrado (200), Margibi (34), Nimba (16), Grand Bassa (11), Sinoe (9), Maryland (7), Bong (6), Grand Gedeh (4), Lofa (4), Grand Cape Mount (3), Bomi (2), and Rivercess (1) counties
- 👉 Twenty-one (21) specimens collected and pending testing
- 👉 Vaccination status among suspected cases
  - Vaccinated: (140) 47%
  - Not vaccinated: (124) 42%
  - Unknown: (33) 11%
- 👉 Age distribution among suspected cases
  - < 5 years: (180) 61%
  - ≥5 years: (117) 40%
- 👉 Cumulatively, four thousand three hundred ninety-five (4,395) suspected cases have been reported including 48 deaths
  - Confirmed: (4,030) 92%
    - ✓ Laboratory confirmed: (327) 8%
    - ✓ Clinically compatible: (534) 13%
    - ✓ Epidemiologically linked: (3,169) 79%
  - Non-measles discarded: 365
  - Proportion of samples collected: (740/4,395) 17%
  - Proportion of samples tested: (692/740) 96%



## Outbreak

### Measles: (Situation update as of the 13th December 2021-June 12, 2022)

#### Montserrado County: Commonwealth, Bushrod, Somalia Drive, St. Paul, Central Monrovia, Todee, and Careysburg Districts

- 👉 Two hundred (200) new cases including 2 deaths reported for the week
  - Bushrod (67), Central Monrovia (62), Somalia Drive (41), Commonwealth (18), St. Paul (5), Todee (5), and Careysburg (2),
  - A total of 2,310 cases line listed up to date
  - Median age 8 (1-59) years
  - CFR (38/2,310) 1.6%
  - Vaccinated (1,113/2,310) 48%
  - Unknown - (25/2,310) 1.2%



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## Bong County: Salala District as of 19 December-12 June, 2022

- 👉 Six (6) new cases reported from Salala District
- 👉 A total of 143 cases have been confirmed including two (2) deaths
  - Range: 3 - 32 years
  - CFR (3/143) 2%
  - Vaccinated: (3/143) 2%
  - Unknown: (8/143) 6%

## Lofa County: Voinjama, and Zorzor Districts

- 👉 Four (4) new cases reported from Voinjama (3) and Zorzor (1) Districts
- 👉 A total of 156 cases have been confirmed
  - Range: 11 months - 13 years
  - Vaccinated: (126/156) 81%
  - Unknown: (3/156) 2%

## Nimba County: Zoe-Geh, Tappita, Yarwin Mehnsonnoh, and Sanniquellie-Mah Districts

- 👉 Sixteen (16) new cases reported from Gbehlay Geh (5), Yarwin Mehnsonnoh (4), Zoe Geh (4), Sanniquellie-Mah (2), and Tappita (1) Districts
  - A total of four hundred eighty (480) cases confirmed
  - Range 4 months-28 years
  - Vaccinated: (84/480) 18%
  - Unknown: (116/480) 24%

## Maryland County: Harper District

- 👉 Seven (7) new cases reported from Harper District
  - A total of 109 cases have been confirmed
  - Range 2-28 years
  - Vaccinated: (13/109) 12%
  - Unknown: (66/109) 61%

## Grand Bassa County: District #3A&B, and Buchanan Districts

- 👉 Eleven (11) new cases reported from Buchanan (10), and District #3 A&B (1) Districts
- 👉 A total of 276 cases including one death have been confirmed
  - Range 7 month-13 years
  - Vaccinated: (109/276) 39%
  - Unknown: (49/276) 18%
  - CFR (1/276) 0.4%

## Bomi County: Klay District (Situation update as of 7 March-12 June, 2022)

- 👉 Two (2) new case recorded from Klay District
- 👉 A total of 49 cases have been confirmed including 3 death
  - Range: 4-11 years
  - Vaccinated: (24/49) 49%
  - Unknown: (22/49) 45%
  - CFR (3/49) 6%

## Grand Kru: Trehn District (Situation update as of 14 March -12 June, 2022)

- 👉 No new case reported
- 👉 A total of 10 cases confirmed



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- Range 5 months- 16 years
- Vaccinated: (7/10) 70%

## Rivercess: Timbo (Situation update as of 16 March -12 June, 2022)

- 👉 One (1) new case reported from Timbo District
- 👉 A total of 12 cases have been confirmed
  - Vaccinated: (4/12) 36%
  - Unknown: (5/12) 42%

## Margibi County: Kakata, Gibi, and Mamba Kaba Districts (Situation update as of 28 February - 12 June, 2022)

- 👉 Thirty-four (34) new cases reported from Mamba Kaba (14), Gibi (12), and Kakata (8) Districts
- 👉 A total of 349 cases have been confirmed
  - Range: 8 months - 67 years
  - Vaccinated: (205/349) 59%
  - Unknown: (68/349) 19%

## Grand Cape Mount County: Commonwealth C, Gola Konneh, and Tewor Districts (Situation update as of 10 March - 12 June, 2022)

- 👉 Three (3) new cases reported from Gola Konneh, Commonwealth C, and Tewor Districts
- 👉 A total of 44 cases have been confirmed
  - Range: 3 - 32 years
  - Vaccinated: (39/44) 89%
  - Unknown: (1/44) 2%

## Grand Gedeh County: Tchien, Konobo and Putu Districts (Situation update as of 10 March - 12 June, 2022)

- 👉 Four (4) new cases reported from Tchien (2), Konobo (1), and Putu (1) Districts
- 👉 A total of 36 cases have been confirmed
  - Range 6 months-12 years
  - Vaccinated (19/36) 53%
  - Unknown: (7/36) 19%

## Gbarpolu: Belleh District

- 👉 No new case reported
- 👉 A total of 7 cases have been confirmed
  - Range: 7 months - 22 years
  - Vaccinated: (1/7) 14%
  - Unknown: (2/7) 29%

## Sinoe: Gblonee and Jedepo Districts (Situation update as of 19 May - 12 June, 2022)

- 👉 Nine (9) new cases reported from Gblonee (2) and Jedepo (7) Districts
- 👉 A total of 52 cases have been confirmed
  - Range 2 -23 years
  - Vaccinated: (14/52) 33%
  - Unknown (17/52) 33%

## Public Health Actions

- 👉 Completed phase 1 of the nation-wide immunization campaign in all 15 counties
  - Total vaccinated was 98,761 (38%) of the targeted population (260,000)
- 👉 Airing of measles prevention and control messages on going (Rivercess, Bong, and Lofa) counties
- 👉 Conducted nation-wide immunization campaign in all 15 counties
- 👉 Continue case management and follow up with home-based cases (Maryland and Rivercess) Counties



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- 👉 Routine Immunization ongoing in affected communities (Bong County)
- 👉 Awareness and sensitization of family members ongoing in Grand Bassa County

## Challenges

- Limited essential medications/ medical supplies for case management
- No support for response making it difficult to get information from field (Bong)
- Limited specimen collection kits for measles (Margibi)

## Acute Flaccid Paralysis (AFP)

- 👉 Two (2) cases reported from Montserrado, and Grand Cape Mount counties
- 👉 Specimen collected and shipped
- 👉 Cumulatively, sixty-four (64) cases have been reported

## Neonatal Tetanus

- 👉 One (1) reported from Montserrado County
- 👉 Cumulatively, twenty-six (26) clinically diagnosed cases reported

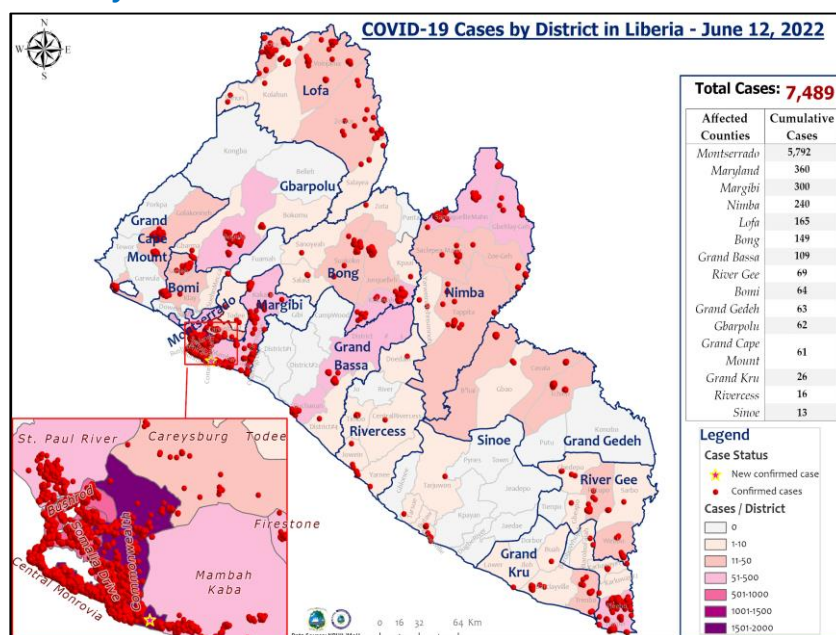
## Influenza-Like Illnesses

### Coronavirus Disease (COVID-19)

#### Outbreak

- 👉 One (1) new confirmed case were reported from Montserrado County
- 👉 A total of five hundred ninety-eight (599) confirmed cases have been reported since epi week 1
- 👉 Cumulatively, seven thousand four hundred eighty-nine (7,489) confirmed cases recorded including 294 deaths.
  - 412 deaths
  - 601 healthcare workers reported with 17,653 contacts generated

**Figure 2: Geographical Distribution of Laboratory Confirmed COVID-19 Cases by Health Districts, Liberia, as of June 6-12, 2022**



## Public Health Actions

- 👉 Weekly IMS coordination meeting  
On-going.
- 👉 Surveillance activities including active case search and case investigation on-going in affected county using WHO interim guidelines
- 👉 Case management ongoing for confirmed cases
- 👉 Compulsory testing among outgoing travelers as required by country of destination ongoing

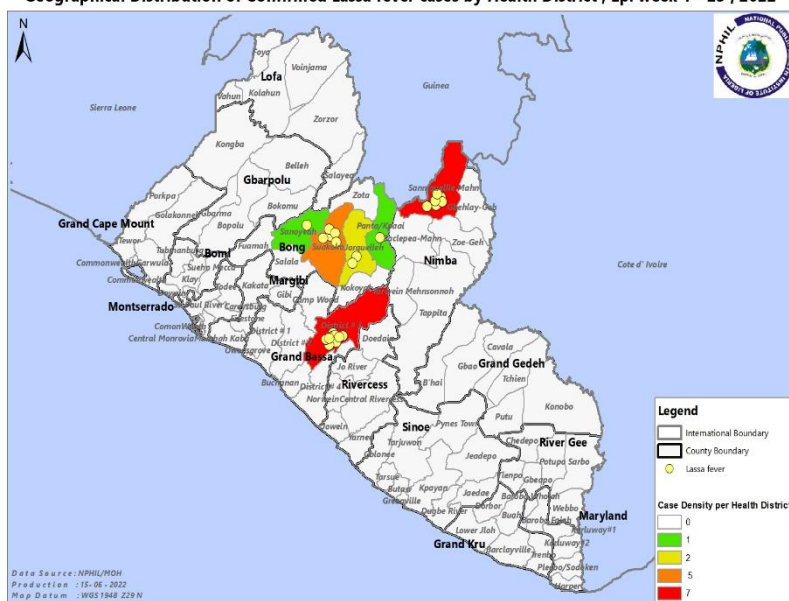


## Viral Hemorrhagic Diseases

### Lassa fever

- 👉 Five (5) new suspected cases reported from Grand Bassa (3), Montserrado (1), and Bong (1) Counties
- 👉 Specimens collected and 4 tested: 2 positive, 2 negative and 1 rejected
- 👉 Cumulatively, seventy-five (75) suspected cases have been reported including 9 deaths
  - Twenty-seven (27) confirmed cases recorded including 7 deaths
  - CFR: (7/27) 26%
  - Proportion of suspected cases with sample collected (75/75) 100%
  - Proportion of suspected cases with sample tested (73/75) 97%
    - 2 samples rejected

Geographical Distribution of Confirmed Lassa fever cases by Health District, Epi week 1 - 23, 2022



## Outbreak

### Lassa fever disease: (sitrep update as of June 9-15, 2022)

- Two (2) new confirmed cases reported Grand Bassa and Bong Counties
- Fifteen (15) contacts under follow up
- Twenty-seven (27) laboratory-confirmed cases including 7 deaths reported
- Cumulative CFR: (7/27) 26%

### Grand Bassa County: District #3 A&B

- 👉 One (1) new confirmed case reported
  - **D.T**, a 30-year-old female and a resident of Karta-karta Town in District #3A&B, Grand Bassa County
    - The onset of illness was on June 2, 2022 and presented fever, headache and abdominal pain
    - Sought care and admitted at the LAC hospital and suspected of Lassa fever on 7<sup>th</sup> June 2022 Ribavirin treatment protocol was initiated the same day
    - Specimen was collected on June 7, 2022 and sent to NRL
    - Confirmed Lassa fever positive on June 9, 2022
- 👉 Cumulatively, nine (9) confirmed cases including (1) death (CFR 11%)
  - 4 contacts generated and under follow-up
  - 29 completed 21 days follow up
- 👉 Risk communication interventions
  - Ongoing community engagement
  - Encourage radio station (Radio Gorgelee) at LAC to air Lassa fever messages and jingles
- 👉 Surveillance



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- Active case search ongoing in the affected health district
- Heighten surveillance in all districts
- Daily sitreps shared regularly to national level

## Bong County: Suakoko District

👉 One (1) new confirmed case recorded

- **DZ**, a 12year-old female and a resident of Zowainta Town, Kpaai District
  - Onset of illness was on May 28, 2022, presented with fever, weakness, poor appetite, and headache; treated at home but no improvement
  - Seen at Phebe Hospital ER on the 3<sup>rd</sup> of June 2022
  - Diagnosed on June 3, 2022 of partially treated malaria to R/O Lassa Fever, and admitted on the Pads Ward
  - Specimen collected on June 5, 2022 and sent to NRL; discharged after the treatment of malaria on the same day
  - Positive lab result was released by the NRL on June 7, 2022
  - Eleven contacts (9 HCWs, 2 family members) under follow-up

👉 Cumulatively, eleven (11) confirmed cases including (2) deaths (CFR 18%)

- Suakoko District: 7 cases and 2 deaths
- Jorquellah District: 2 cases
- Sanoyea District: 1 case
- Kpaai District: 1 case

👉 Total of one hundred forty-two (142) contacts generated

- 131 completed 21 days follow up
- 11 (9 HCWs, 2 family members) under follow up

👉 Risk communication interventions

- Daily health talk in all health facilities on priority diseases
- Airing of LF preventive and control messages

👉 Case management

- Isolation of cases
- Administration of ribavirin

👉 Surveillance

- Active case search ongoing in the affected health district
- Heighten surveillance in all districts
- Daily situational reports are shared regularly to national level

## Yellow fever

👉 Zero case reported



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- 📁 Cumulatively, forty-four (44) suspected cases reported
  - Proportion of suspected cases with sample collected (40/44) 91%
  - Proportion of suspected cases with sample tested (34/40) 85%

## Diarrheal Diseases

### Acute Bloody Diarrhea (Suspected Shigellosis)

- 📁 Eight (8) suspected cases reported from Rivercess (2), Montserrado (2), Sinoe (2), Margibi (1), and Grand Gedeh (1) Counties

- Five (5) specimens collected and pending testing

- 📁 Cumulatively, two hundred sixty-eight (268) suspected cases reported

- One hundred twenty (120) specimens collected but 104 received by the lab,
  - 1 positive, 84 negative
  - 11 rejected
  - 8 specimens not tested

### Severe Acute Watery Diarrhea (Suspected Cholera)

- 📁 Eight (8) suspected cases reported from Lofa (3), Bomi (3), Grand Bassa (1), and Maryland (1) Counties

- 📁 Six (6) specimens collected and pending testing

- 📁 Cumulatively, one hundred eighty-five (185) suspected cases reported

- 96 specimens collected but 59 received by the lab
  - 41 tested negative
  - 13 not tested
  - 4 rejected

## Other Reportable Diseases

### Animal bite (Human Exposure to Rabies)

- 📁 Thirty-seven (37) animal bite cases were reported: Montserrado (8), Sinoe (5), Maryland (4), Nimba (4), Grand Cape Mount (3), Grand Bassa (3), Rivercess (2), Bong (2), Bomi (2), Margibi (2), Lofa (1), and Grand Kru (1) Counties

- Seven (7) persons (19%) received PEP

- 📁 Cumulatively, one thousand two hundred (1,200) animal bite cases reported

- Dog bites account for 100%
- 1-4 doses (PEP) administered to about (163/1,200) 14% of patients

## Public Health Actions

- 📁 Administration of post exposure prophylaxis

### Meningitis

- 📁 One (1) case reported Grand Bassa

- 📁 Cumulatively, twenty-one (21) suspected cases reported

- One (1) confirmed

### Monkey pox

- 📁 Seven (7) cases reported from Sinoe County





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📁 No specimens collected

📁 Cumulatively, fourteen (14) suspected cases reported, one (1) specimen collected pending shipment

## Events of Public Health Importance

### Maternal Mortality

📁 Four (4) deaths reported from Bong (2), Montserrado (1), and Bomi (1) Counties

- Cause of death: Post-partum Hemorrhage, Septic abortion, Severe anemia, 1 under review
- All deaths occurred at the health facility

📁 Cumulatively, one hundred fifty-six (156) deaths reported

- Proportion of deaths reviewed (37/156) 24%
- Proportion of community deaths (16/156) 10%
  - Proportion of community deaths reviewed: (8/37) 22%

### Neonatal Mortality

📁 Twenty (20) deaths reported from Montserrado (4), Maryland (3), Bong (3), Bomi (3), Sinoe (3), Gbarpolu (2), and Lofa (2) counties

- Causes of death: Birth asphyxia (12), Sepsis (3), Preterm (2), multi-organ failure and Imperforated anus (1), Cardiac pulmonary arrest (1) and 1 under review
- Nineteen (19) deaths occurred at the health facility and one (1) in the community

📁 Cumulatively, four hundred thirteen (413) deaths have been reported

- Proportion of deaths reviewed (47/413) 11%
- Proportion of community deaths (13/413) 3%
  - Proportion of deaths reviewed from community (3/47) 6%

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

📁 Ten (10) cases reported from Sinoe (8), Grand Gedeh (1), and Montserrado (1) Counties

- Related vaccines:
  - COVID-19 (9/10) 90%
  - Penta (1/10) 10%

📁 Cumulatively: Two hundred nineteen (219) events reported with (173/219) 79% related to COVID-19

📁 Proportion of COVID-19 vaccine

- J&J vaccine – (134/173) 77%
- AstraZeneca – (6/173) 3%
- Pfizer – (30/164) 19%

📁 Measles (29/209) – 14%

📁 Proportion of other vaccine related events - (16/209) 8%

### Public Health Actions

📁 All events were investigated, categorized as *non-serious AEFI and symptomatically treated*

📁 Active case search and community engagement ongoing

### Unexplained death

📁 Zero case reported



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## Border Surveillance Update

**Table2: Border activity at the PoE for Incoming and Outgoing Travelers, Liberia, Epi week 23, 2022**

👉 A total of 4,537 travelers recorded for the week with incoming travelers accounting for 50.4% (2,286/4,537)

Type of Ports	Point of Entry	Weekly total	Arrival	Departure	Total travelers with YB	Yellow Book Damaged	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	49	27	22	49	0	0	0	0	0	5
	Robert Int'l Airport	2879	1430	1449	2844	26	0	9	0	0	2859
Seaport	Freeport of Monrovia	116	58	58	116	0	0	0	0	0	116
	Buchanan Port	154	77	77	154	0	0	0	0	0	154
Land Crossing	Bo Water Side	595	352	243	580	10	0	5	0	0	30
	Ganta	292	124	168	290	2	0	0	0	0	19
	Yekepa	257	123	134	250	7	0	0	0	0	21
	Loguatu	195	95	100	195	0	0	0	0	0	16
<b>Total travelers</b>		<b>4,537</b>	<b>2,286</b>	<b>2,251</b>	<b>4,478</b>	<b>45</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>3,220</b>

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

## Public Health Measures

### National level

- 👉 Providing technical, logistical, and financial support to counties
  - Production and publication of situational reports
  - Piloted the updated RRT training package in Gbarpolu County with support from AFENET
    - Trained seventeen (17) personnel's under fourteen (14) core-functions
  - Dispatched teams to roll out IDSR 3<sup>rd</sup> Edition training in Grand Kru, Maryland, and River Gee Counties supported by GIZ (Health Focus, PIH, Samaritan's Purse)
- 👉 Operational Activity
  - Continued support for operational activities ongoing

### County level

#### 👉 Surveillance

- Restrained and monitoring of domestic animal (Dog) and following up with people possibly exposed to rabies
- 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

D =

Counties			Bomi	Bong	Gbarpolu	Grand Bassa	Grand Cape Mount	Grand Gedeh	Grand Kru	Lofa	Margibi	Maryland	Montserrado	Nimba	Rivercess	River Gee	Sinoe	Total Weekly	Cumulative Reported	Cumulative Lab-confirmed	
No. of Expected Health District			4	9	5	8	5	6	5	6	4	6	7	6	6	6	10	93			
No. of Health District Reported			4	9	5	8	5	6	5	6	4	6	7	6	6	6	10	93			
Vaccine Preventable Diseases	Acute Flaccid Paralysis (Suspected Polio)	A	0	0	0	0	0	0	0	0	0	0	3	0	0	0	1	4	62	0	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Measles	A	1	3	0	28	5	6	0	12	6	4	129	27	4	0	14	239	4096	327	
		D	0	0	0	0	1	0	0	0	0	0	3	0	0	0	0	4	45	0	
	Neonatal Tetanus	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0	
		D	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	1	0	0	0	0	0	0	0	0	2	44	0	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Viral Hemorrhagic Fever	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	2	0	0	0	0	0	0	0	1	0	0	0	3	61	18	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	7	
Influenza-Like Illnesses	COVID-19	A	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	598	7164	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	294	
Diarrheal Diseases	Acute Bloody Diarrhoea (Shigellosis)	A	0	0	0	0	0	0	0	0	0	0	1	1	3	0	3	8	257	1	
		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	0	1	0	1	0	1	0	0	0	0	0	0	2	5	176	0	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Events of Public Health Importance	Maternal Mortality	D	0	2	0	0	0	0	0	0	0	0	8	1	0	0	0	11	152		
	Neonatal Mortality	D	0	5	1	0	0	0	0	0	2	0	9	1	1	0	0	19	393		
	Adverse Events Following Immunization (AEFI)	A	0	0	0	0	0	2	0	0	0	0	0	0	0	0	8	10	209	0	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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
		D	0	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	0	0	0	0	0	0	0	0	0	0	0	5	0	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Tuberculosis	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		D	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 Rabies)	A	0	1	1	0	1	3	2	2	2	1	1	7	0	1	0	22	963	0	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	Meningitis	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0
		D	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
		D	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
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL			1	11	2	31	8	12	3	15	10	5	155	38	8	1	28	328	7114	7811	

Dead **A** = Alive

## Notes

👉 **Completeness** refers to the proportion of expected weekly IDSR reports received (target: ≥80%)

👉 **Timeliness** refers to the proportion of expected weekly IDSR reports received by the next level on time (target: ≥80%). Time requirement for weekly IDSR reports:

- Health facility - required on or before 5:00pm every Saturday to the district level
- Health district - required on or before 5:00pm every Sunday to the county level
- County - required on or before 5:00pm 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: ≥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 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 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 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.