



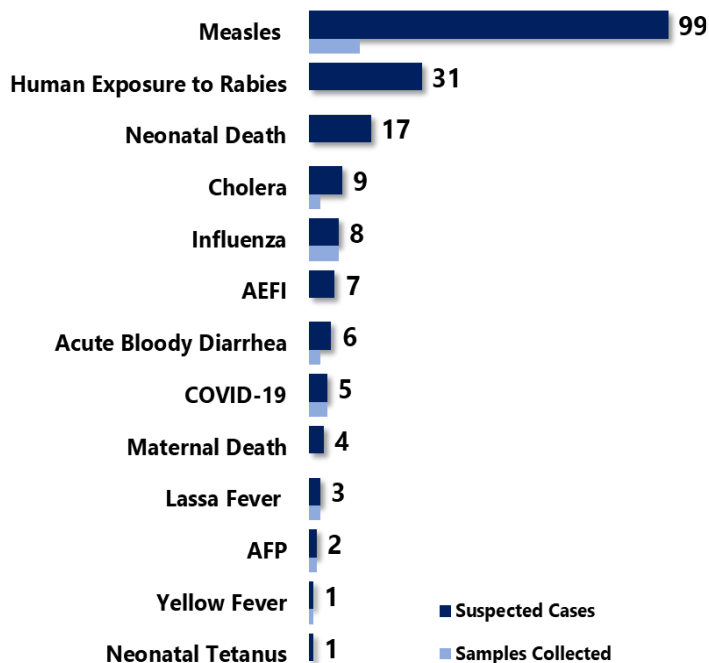
# Liberia IDSR Epidemiology Bulletin

Epi-week 45 (November 7-13, 2022)

Country Population: 5,104,413 | Volume 17 Issue 45 | November 7 –13, 2022 | 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 193 events** of public health importance including **25 deaths** were reported
- ♦ **Completeness and timeliness** of health facility reports were both **100%** respectively
- ♦ **Ongoing Lassa fever** outbreak in **4** Counties
- ♦ **Ongoing Measles** outbreak in **13** Counties
- ♦ **Five new confirmed COVID-19 cases** were reported

\*Adverse Events Following Immunization/Adverse Drug Reaction

## Reporting Coverage

Table 1: Health Facility Weekly IDSR Reporting Coverage, Liberia, Epi-week 45, 2022

County	Expected Reports From HF*	Reports Received	Received on Time	Completeness (%)	Timeliness (%)
Bomi	26	26	26	100	100
Bong	57	57	57	100	100
Gbarpolu	16	16	16	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	22	22	96	96
Lofa	66	66	66	100	100
Margibi	68	68	68	100	100
Maryland	27	27	27	100	100
Montserrado	326	326	326	100	100
Nimba	89	89	89	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>870</b>	<b>869</b>	<b>869</b>	<b>100</b>	<b>100</b>

869(100%)  
Health facilities reported IDSR data

93 (100%)  
Health districts reported IDSR data

869(100%)  
Health facilities reported timely IDSR data

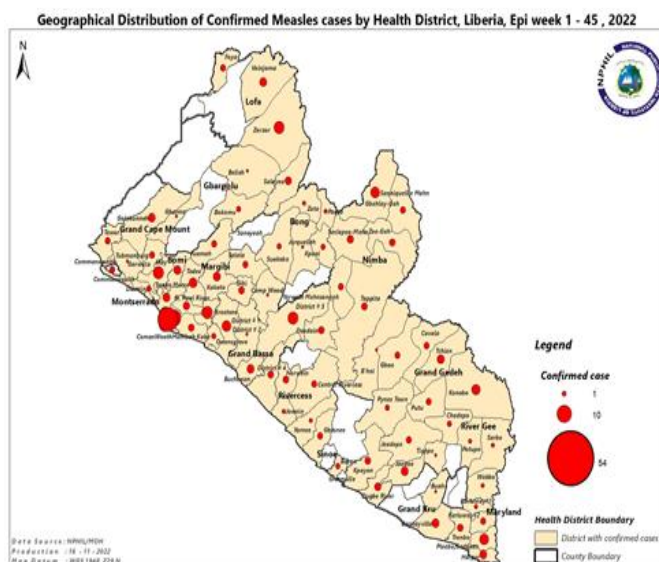
- ♦ The national target for weekly IDSR reporting is 80%. Health facility timeliness is monitored at the health district level
- ♦ All counties submitted weekly IDSR reports to the national level on time

Legend: ≥80 <80

## Vaccine-Preventable Diseases

### Measles

- 👉 Ninety-nine (99) suspected cases were reported: Montserrado (18), Grand Bassa (16), Nimba (14), Grand Kru (13), Maryland (12), Margibi (11), Grand Cape Mount (5), Grand Gedeh (5), Bomi (2), Lofa (2), and Bong (1) Counties
- 👉 Fourteen (14) specimens collected and pending testing
- 👉 Vaccination status among suspected cases
  - Vaccinated: (43) 43%
  - Not vaccinated: (41) 41%
  - Unknown: (15) 15%
- 👉 Age distribution among suspected cases
  - < 5 years: (62) 63%
  - ≥5 years: (37) 37%
- 👉 Cumulatively, eight thousand, two hundred seventy (8,270) suspected cases have been reported including 84 deaths
  - (7,686) 93% confirmed:
    - ✓ Laboratory confirmed: (488/7,686) 6%
    - ✓ Clinically compatible: (564/7,686) 7%
    - ✓ Epidemiologically linked: (6,634/7,686) 86%
  - Non-measles discarded: 584
    - ✓ 58 tested positive for Rubella
- 👉 Proportion of samples collected: (1,330/8,270) 16%
- 👉 Proportion of samples tested: (1,072/1,330) 81%
- 👉 CFR: (84/7,686) 1.1%



Geographical distribution of Measles Cases by epidemiological classification, health district, Liberia, Epi-week 1 – 45, 2022

### Outbreak

#### Measles: (Situation update from 13<sup>th</sup> December 2021- 13<sup>th</sup> November 2022)

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

- 👉 Eighteen (18) new cases were reported from Bushrod (12), Central Monrovia (2), Commonwealth (2), Somalia Drive (1), and St. Paul (1) Districts
- 👉 A total of 4,187 cases have been confirmed including sixty-five (65) deaths
  - Median age 6 (1month-59years)
  - Not Vaccinated- (2,121/4,187) 51%
  - Vaccinated - (2,013/4,187) 48%
- 👉 CFR (65/4,187) 1.6%

##### Bong County: Suakoko, Zota, Jorquelleh, Salala, and Panta Districts (Situation update from 20th December 2021-13<sup>th</sup> November 2022)

- 👉 No new case was reported
- 👉 A total of 413 cases have been confirmed including two (2) deaths
  - Median age 8 (1 month - 38 years)
  - Vaccinated - (119/413) 29%
  - Not vaccinated - (109/413) 26%
  - CFR (2/413) 0.5%

##### Lofa County: Voinjama, Foyah, Zorzor, and Salayea Districts (Situation update from 21st January- 13th November 2022)

- 👉 Two (2) new cases were reported from Voinjama District
- 👉 A total of 179 cases have been confirmed



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- Median age: 10 (2 months-46years)
- Vaccinated: (163/179) 91%
- Not vaccinated: (8/179) 4%

## **Nimba County: Gbehlay-Geh, Sacleapea-Mah, Zoe-Geh, Tappita, Yarwin Mehnsonnoh, and Sanniquellie-Mah Districts (Situation update from 20th January-13th November, 2022).**

- 📁 Fifteen (15) new cases were reported from Tappita (9), Sanniquellie-Mah (3), Gbehlay-Geh (2), and Sacleapea-Mah (1) Districts
- 📁 A total of 705 cases have been confirmed including one death
  - Median age 7 (2 months- 48years)
  - Not Vaccinated: (438/705) 62%
  - Vaccinated: (154/705) 22%
  - CFR (1/705) 0.1%

## **Maryland County: Harper, Karluway II and Pleebo Districts (Situation update from 1st February- 13<sup>th</sup> November 2022)**

- 📁 Twelve (12) new cases were reported from Pleebo (9), and Karluway II (3) Districts
- 📁 A total of 256 cases have been confirmed
  - Median age 7 (7 months-48 years)
  - Vaccinated: (28/256) 11%
  - Not Vaccinated: (55/256) 21%

## **Grand Bassa County: District #1, District #2, Owensgrove, and Buchanan Districts (Situation update from 22nd April -13<sup>th</sup> November 2022)**

- 📁 Sixteen (16) new cases were reported from District # 2 (14), and Buchanan (2) Districts
- 📁 A total of 707 cases have been confirmed including 7 deaths
  - Median age 7 (1 month-45 years)
  - Vaccinated: (263/707) 37%
  - Not Vaccinated: (321/707) 45%
  - CFR (7/707) 1%

## **Bomi County: Klay, Senjeh, and Suehn Mecca Districts (Situation update from 14th March-13<sup>th</sup> November 2022)**

- 📁 Two (2) new cases were reported from Senjeh District
- 📁 A total of 69 cases have been confirmed including 5 deaths
  - Median age 7 (1 month-48 year)
  - Vaccinated: (25/69) 36%
  - Not Vaccinated: (21/69) 30%
  - CFR (5/69) 7%

## **Grand Kru: Barclayville and Trehn Districts (Situation update from 14th March – 13<sup>th</sup> November 2022)**

- 📁 Eleven (11) new cases were reported from Barclayville (7), and Trehn (4) Districts
- 📁 A total of 146 cases have been confirmed
  - Median age 9 (53 months-18 years)
  - Vaccinated: (110/146) 75%
  - Not Vaccinated: (33/146) 22%

## **Rivercess: Doedain and Jowein Districts (Situation update from 16th March – 13<sup>th</sup> November 2022)**

- 📁 No new case was reported
- 📁 A total of 75 confirmed cases have been confirmed including 1 death
  - Median age 5 (6 months -36 years)



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- Vaccinated: (17/75) 23%
- Not Vaccinated: (30/75) 40%
- CFR: (1/75) 1.3%

## **Margibi County: Firestone, Gibi, Kakata, and Mamba Kaba Districts (Situation update from 21<sup>st</sup> February–13<sup>th</sup> November 2022)**

- 📁 Eleven (11) new cases were reported from Mamba Kaba (4), Gibi (3), Firestone (2), and Kakata (2) Districts
- 📁 A total of 559 cases have been confirmed
  - Median age 6 (4 months - 67 years)
  - Vaccinated: (274/559) 49%
  - Not Vaccinated: (173/559) 31%

## **Grand Cape Mount County: Gola Konneh, District (Situation update from 10<sup>th</sup> March –13<sup>th</sup> November 2022)**

- 📁 Five (5) new cases were reported from Gola Konneh (4), and Central C (1) Districts
- 📁 A total of 117 cases have been confirmed including 3 deaths
  - Median age 12 (2 months – 45 years)
  - Vaccinated: (102/117) 87%
  - Not Vaccinated: (13/117) 11%
  - CFR: (3/117) 3%

## **Grand Gedeh County: Tchien, Konobo, Bhai, and Gbao Districts (Situation update from 10<sup>th</sup> March–13<sup>th</sup> November, 2022)**

- 📁 Two (2) new cases were reported from Tchien and Gbao Districts
- 📁 A total of 132 cases have been confirmed
  - Median age 6 (6 months-35 years)
  - Vaccinated (48/132) 36%
  - Not Vaccinated: (44/132) 33%

## **Sinoe: Gblonee, Dugbeh River, Kpanyan, Jaedae and Jedepo Districts (Situation update from 19<sup>th</sup> May – 13<sup>th</sup> November 2022)**

- 📁 No new case was reported
- 📁 A total of 143 cases have been confirmed
  - Median age 6 (2 months-38 years)
  - Vaccinated: (71/143) 49.7%
  - Not Vaccinated (20/143) 13.9%

## **Public Health Response**

### **I Coordination**

- 📁 Ongoing monitoring of measles surveillance data with the provision of feedback to relevant stakeholders and developmental partners

### **II. Epidemiological Surveillance**

- 📁 Active case search and line listing of cases

### **III. Case Management**

- 📁 Isolation and treatment of cases

### **IV. Immunization**

- 📁 Grand Bassa County intensified routine immunization in affected communities

### **V. Laboratory**

- 📁 Three hundred ninety-eight (398) cases have been confirmed by the laboratory from 62 health districts in 15 counties



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## VI. Risk Communication and Community Engagement

- Community engagement and health education continue in affected and surrounding communities

## VII. Challenges

- Lacked essential medications and medical supplies for case management
- Delay lab results from NPHIL

## Next steps

- NPHIL/partners to procure essential drugs for case management
- Develop national Measles preparedness and response guide.
- Develop and validate the national Measles and Rubella Surveillance guide.
- Develop and validate Measles SOPs.
- Continue social mobilization

## Acute Flaccid Paralysis (AFP)

- Two (2) cases were reported from Grand Gedeh and Nimba Counties
- Specimen were collected and have been shipped
- Cumulatively, one hundred (100) cases have been reported
  - 70 tested negative
  - 16 NPENT
  - 14 pending testing

## Neonatal Tetanus

- One case was reported Montserrado County
- Cumulatively, forty-seven (47) clinically diagnosed cases reported

## Influenza-Like Illnesses

### Coronavirus Disease (COVID-19)

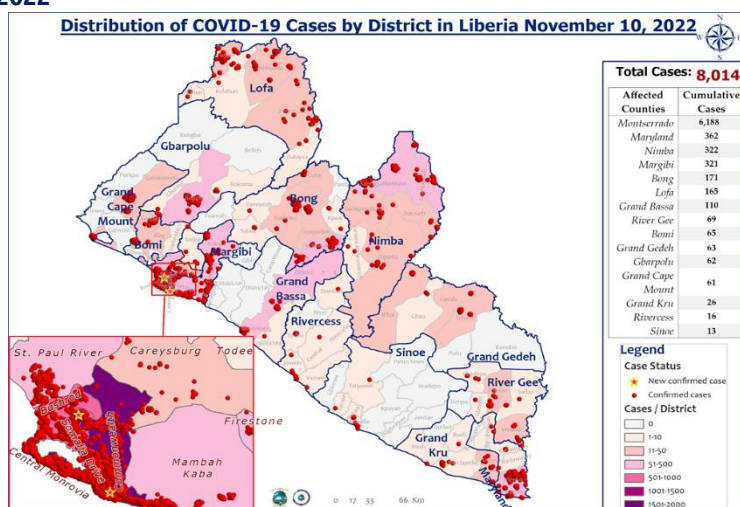
### Outbreak

- Five (5) new confirmed cases were reported from Montserrado County
- A total of one thousand one hundred-seven (1,107) confirmed cases have been reported since epi week 1
- Cumulatively, eight thousand, fourteen (8,014) 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

**Figure 2: Geographical Distribution of Laboratory Confirmed COVID-19 Cases by Health Districts, Liberia, as of November 7-13, 2022**







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✍ Compulsory testing among outgoing travelers as required by the country of destination ongoing

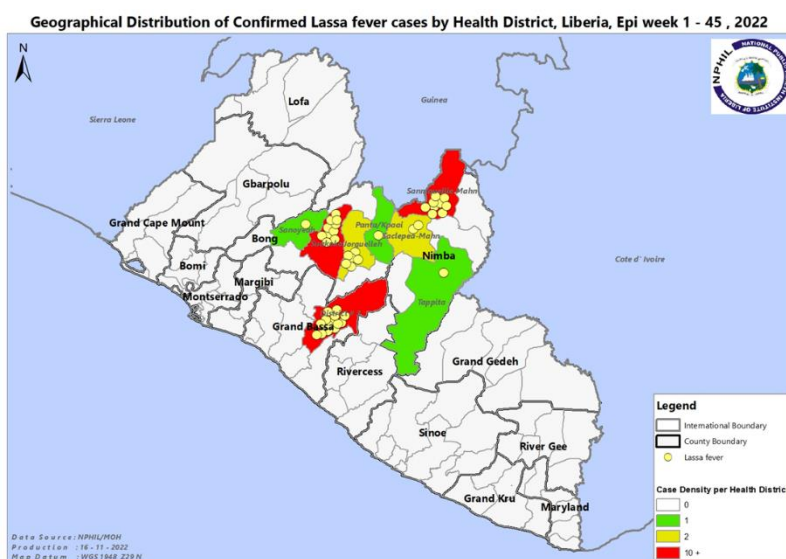
## Influenza Like Illnesses

- ✍ Eight (8) suspected cases were reported from Montserrado County
- ✍ Eight specimens were collected and pending testing
- ✍ Cumulatively, sixty-four (64) cases have been reported and pending testing

## Viral Hemorrhagic Diseases

### Lassa fever

- ✍ Three (3) suspected cases (all dead) were reported from Bong (1), Montserrado (1) and Nimba (1) Counties
- ✍ Three specimens were collected: one tested negative, one rejected and one pending testing
- ✍ Cumulatively, one hundred seventy-five (175) suspected cases have been reported including 28 deaths
  - Fifty-nine (59) confirmed cases were recorded including 19 deaths
  - One hundred and seven (107) negatives
  - Case Fatality Rate: (19/59) 32%
  - Proportion of suspected cases with sample collected (174/175) 99%
  - Proportion of suspected cases with sample tested (166/175) 95%
    - 3 samples rejected (inadequate specimen, wrong packaging, wrong collection tube)
  - 1 not collected



Geographical distribution of confirmed Lassa fever cases by Health District, Liberia, Epi-week 1-45, 2022

## Outbreak

### Lassa fever disease: (Sitrep update as of November 13, 2022)

- ✍ No new confirmed case reported
- ✍ Seventeen (17) contacts under 21 days' follow-up
- ✍ Cumulatively, fifty-nine (59) laboratory-confirmed cases including 19 deaths reported (CFR=32%)

### Nimba: Saclepea-Mah District

- ✍ No new confirmed case reported
- ✍ Cumulative confirmed cases: fourteen (14)
  - CFR (9/14) 64%
- ✍ Districts with confirmed cases since this year
  - Sanniquellie-Mah: 11 cases (7 deaths)
  - Sacleapea-Mah: 2 case (1 death)
  - Tappita: 1 case (dead)
- ✍ Cumulatively, 237 contacts including 143 HCWs have been generated since this year
  - All contacts completed monitoring

### Public Health Measures

- ✍ NPHIL and MOH providing technical support to the county
  - Health workers and visitors are encouraged to enhance IPC practices by regular washing of hands



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## Grand Bassa: District #3A&B

- 👉 No new confirmed case reported
- 👉 Cumulative confirmed cases: twenty-five (25)
  - CFR (6/25) 24%
- 👉 District that has reported confirmed cases since this year
  - District #3 A&B
- 👉 Cumulatively, 112 contacts generated since this year
  - Seven (7) contacts are currently under follow up and 105 completed monitoring

## Public Health Measures

- 👉 NPHIL and MOH providing technical support to the county
  - Health workers and visitors are encouraged to enhance IPC practices by regular washing of hands
  - Limited community engagement

## Bong County: Suakoko District

- 👉 No new confirmed case reported
- 👉 Cumulative confirmed cases: nineteen (19)
  - CFR: (4/19) 21%
- 👉 Districts that have reported confirmed cases since this year
  - Suakoko District: 14 cases (3 deaths)
  - Jorquellah District: 3 cases (1 death)
  - Sanoyea District: 1 case
  - Kpaai District: 1 case
- 👉 Cumulatively, 190 contacts including 113 HCWs have been recorded since this year
  - All contacts completed monitoring

## Public Health Measures

- 👉 Risk communication interventions
  - Daily health talk in all health facilities on priority diseases
  - Airing of LF preventive and control messages
- 👉 Case Management
  - Confirmed case is isolated and being managed
- 👉 Surveillance
  - Active case search ongoing in the affected health districts
  - Heighten surveillance in all affected communities and districts
  - Daily situational reports are shared regularly at the national level

## Yellow fever

- 👉 One suspected case was reported from Grand Gedeh County
- 👉 Specimen was collected and pending testing
- 👉 Cumulatively, eighty-two (82) suspected cases have been reported
  - Proportion of suspected cases with samples collected (73/82) 89%
  - Proportion of suspected cases with samples not collected (9/82) 11%
- 👉 Samples collected and tested
  - Tested negative (59/73) 81%
  - Pending testing (9/73) 12%
  - Not transported (5/73) 7%

## Ebola Virus Disease

- 👉 Zero suspected case was reported
- 👉 Cumulatively, one (1) suspected case has been reported



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## Diarrheal Diseases

### Acute Bloody Diarrhea (Suspected Shigellosis)

- 👉 Six (6) cases were reported from Grand Gedeh (3), Lofa (1), Maryland (1), and River Gee (1) Counties
- 👉 Four (4) specimens were collected and pending testing
- 👉 Cumulatively, four hundred sixteen (416) suspected cases reported
- 👉 Two hundred twelve (212) specimens were collected
- 👉 One hundred sixty-four (164) received by the lab, 127 tested
  - 126 negative
  - 1 positive
  - 11 rejected (inadequate specimen, wrong packaging)
  - 26 specimens discarded

### Severe Acute Watery Diarrhea (Suspected Cholera)

- 👉 Nine (9) cases were reported from Lofa (4), Maryland (3), Nimba (1), and Rivercess (1) Counties
- 👉 Three (3) specimens were collected and pending testing
- 👉 Cumulatively, three hundred thirty-five (335) suspected cases reported
  - One hundred ninety (190) specimens collected
  - One hundred sixteen (116) received by the lab
    - 76 negatives
    - 5 rejected (inadequate specimen, wrong packaging, specimen not label)
    - 35 specimens discarded

## Other Reportable Diseases

### Animal bite (Human Exposure to Rabies)

- 👉 Thirty-one (31) animal bite cases were reported: Grand Kru (8), Nimba (6), Maryland (4), Lofa (3), Bong (3), Montserrado (2), Bomi (1), Gbarpolu (1), Grand Cape Mount (1), Grand Gedeh (1), and Rivercess (1) Counties
- 👉 Persons received Post Exposure Prophylaxis (PEP) (10/31) 32%
- 👉 Cumulatively, one thousand eight hundred forty-five (1,845) animal bite cases reported
  - Dog bites account for 100%
  - 1-4 doses (PEP) administered to (345/1,845) 19% of patients

## Public Health Actions

- 👉 Ongoing monitoring and follow-up of cases
- 👉 Quarantined (3/31) 10% of suspected rabid dogs

### Meningitis

- 👉 Zero suspected case reported
- 👉 Cumulatively, thirty (30) suspected cases reported with one (1) confirmed

### Monkeypox

- 👉 Zero suspected case was reported
- 👉 Cumulatively, fifty-four (54) suspected cases reported with three (3) confirmed

## Events of Public Health Importance

### Maternal Mortality

- 👉 Four (4) deaths were reported from Montserrado (2), Nimba (1), and Rivercess (1) Counties
- 👉 Reported causes: Postpartum hemorrhage (2), and Eclampsia (2)
- 👉 Reported sites:
  - Health facility: (4) 100%





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📁 Cumulatively, two hundred forty-eight (248) deaths have been reported

- Proportion of deaths reviewed (49/248) 20%
- Proportion of community deaths (24/248) 10%
  - Proportion of community deaths reviewed: (8/24) 33%

## Neonatal Mortality

📁 Seventeen (17) deaths were reported: Montserrado (11), Nimba (3), Bong (1), Maryland (1), and Rivercess (1) Counties

📁 Reported causes: Birth asphyxia (8), Neonatal Sepsis (4), Preterm (3), Neonatal Jaundice (1), and Neonatal tetanus (1)

📁 Reported sites:

- Health facility: (16) 94%
- Community: (6) 12%

📁 Cumulatively, six hundred seventy-nine (679) deaths have been reported

- The proportion of deaths reviewed (79/679) 12%
- Proportion of community deaths (32/679) 5%
  - Proportion of deaths reviewed from the community (8/32) 25%

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

📁 Seven (7) cases were reported: Grand Kru (4), and Rivercess (3) Counties

📁 Related vaccine:

- COVID-19 (7/7) 100%

📁 Cumulatively, five hundred forty-eight (548) events were reported with (388/548) 71% related to COVID-19

📁 Proportion of COVID-19 vaccine

- J&J vaccine – (279/388) 72%
- AstraZeneca – (6/388) 2%
- Pfizer – (103/388) 27%

📁 Proportion of other vaccine-related events – (160/548) 29%

## Public Health Actions

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

📁 Active case search and community engagement ongoing

## Border Surveillance Update

📁 A total of 4,982 travelers were recorded for the week with incoming travelers accounting for 48% (2,391/4,982)

**Table 2: Border activity at the PoE for Incoming and Outgoing Travelers, Liberia, Epi week 45, 2022**

Type of Ports	Point of Entry	Weekly total	Arrival	Departure	Total travelers with YB	Yellow Book Damage	Card Replaced	Vaccinated against YF & Issued book	Alerts detected/ Verified	COVID-19 Reactive	Evidence of COVID-19 vaccination card/certificate
<b>Airport</b>	James S. Paynes	128	92	36	128	0	0	0	0	0	85
	Robert Int'l Airport	3273	1437	1836	3250	11	0	12	0	0	3265
<b>Seaport</b>	Freeport of Monrovia	404	202	202	404	0	0	0	0	0	404
	Buchanan Port	100	50	50	100	0	0	0	0	0	100
<b>Land Crossing</b>	Bo Water Side	565	343	222	550	5	0	10	0	0	559
	Ganta	290	156	134	276	14	0	0	0	0	100
	Yekepa	123	68	55	116	5	2	0	0	0	33
	Loguatu	99	43	56	94	5	0	0	0	0	29
<b>Total</b>		<b>4,982</b>	<b>2,391</b>	<b>2,591</b>	<b>4,918</b>	<b>40</b>	<b>2</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>4,575</b>

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



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## Public Health Measures

### National level

- 👉 MSF donated PPE (gloves, isolation gowns, surgical masks, face shields, and alcohol-based hand rub) and 700 tablets of ribavirin 200mg to Redemption Hospital
- 👉 Trained fifty-four health professionals to conduct Influenza sentinel surveillance at the Liberian Government Hospital in Grand Bassa County
- 👉 Operational Activity
  - Continued support for operational activities ongoing

### County-level

#### 👉 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
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	1	0	0	0	0	0	1	0	0	0	2	100	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Measles	A	2	1	0	16	5	5	13	2	11	12	18	14	0	0	0	99	8,270	488
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	77	0
	Neonatal Tetanus	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44	0
		D	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	3	0
Yellow fever	A	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	82	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	1	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	0	0	0	0	0	0	0	0	0	0	0	0	0	147	40
		D	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	3	28	19
Influenza-Like Illnesses	COVID-19	A	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	5	8,014	8
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	294
	Influenza Like Illnesses	A	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	8	64	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diarrheal Diseases	Acute Bloody Diarrhoea (Shigellosis)	A	0	0	0	0	0	3	0	1	0	1	0	0	0	1	0	6	416	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	0	0	0	0	4	0	3	0	1	1	0	0	9	335	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	0	0	0	0	0	0	0	0	0	2	1	1	0	0	4	248	
	Neonatal Mortality	D	0	1	0	0	0	0	0	0	0	1	11	3	1	0	0	17	679	
	Adverse Events Following Immunization (AEFI)	A	0	0	0	0	0	0	4	0	0	0	0	0	3	0	0	7	548	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unexplained Cluster of Health Events/Disease	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Reportable Diseases	Monkeypox	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53	2
		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
		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 Rabies)	A	1	3	1	0	1	1	8	3	0	4	2	6	1	0	0	31	1,848	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	Meningitis	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	1
		D	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
		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
TOTAL			3	6	1	16	6	11	25	10	11	21	48	27	7	1	0	193	20984	853.01

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 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 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.