



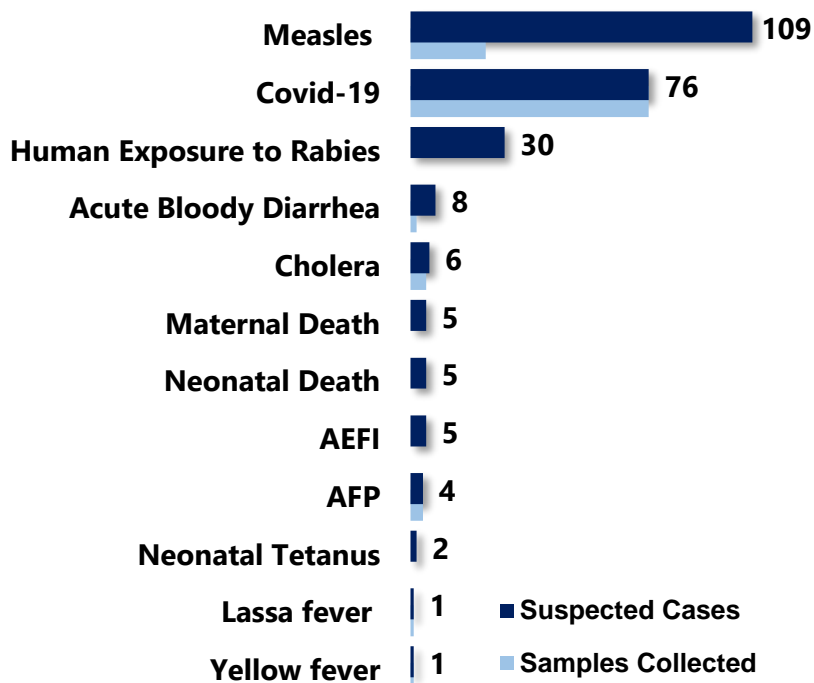
# Liberia IDSR Epidemiology Bulletin

Epi-week 32 (August 8-14, 2022)

Country Population: 5,104,413 | Volume 17 Issue 32 | August 8-14, 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 252 events of public health importance including 11 deaths were reported
- ♦ Completeness and timeliness of health facility reports were both 99%
- ♦ Ongoing Monkey pox outbreak in 2 Counties
- ♦ Ongoing Lassa fever outbreak in 2 Counties
- ♦ Ongoing Measles outbreak in 15 Counties
- ♦ Seventy-six new confirmed COVID-19 cases in three Counties

\*Adverse Events Following Immunization/Adverse Drug Reaction

## Reporting Coverage

Table 1: Health Facility Weekly IDSR Reporting Coverage, Liberia, Epi-week 32, 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	15	15	94	94
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	98	98
Lofa	66	66	66	100	100
Margibi	59	56	56	98	98
Maryland	27	27	27	100	100
Montserrado	326	326	326	100	100
Nimba	88	85	85	97	97
Rivercess	21	21	21	100	100
River Gee	20	20	20	100	100
Sinoe	37	37	37	100	100
<b>Liberia</b>	<b>860</b>	<b>852</b>	<b>852</b>	<b>99</b>	<b>99</b>

852  
(99%)  
Health  
facilities

93  
(100%)  
Health  
districts

852  
(99%)  
Health  
facilities  
reported

- ♦ 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 time except Montserrado, Bong and Sinoe Counties

Legend:

≥80

<80



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## Vaccine Preventable Diseases

### Measles

One hundred nine (109) suspected cases reported: Montserrado (30), Grand Bassa (30), Maryland (10), Nimba (7), Bong (5), Margibi (4), Sinoe (4), Bomi (4), Grand Cape Mount (4), Rivercess (3), Grand Gedeh (3), Lofa (3), and Grand Kru (2) Counties.

Twenty-four (24) specimens collected and 9 tested:

- 6 positive
- 3 negative
- 15 pending testing

Vaccination status among suspected cases

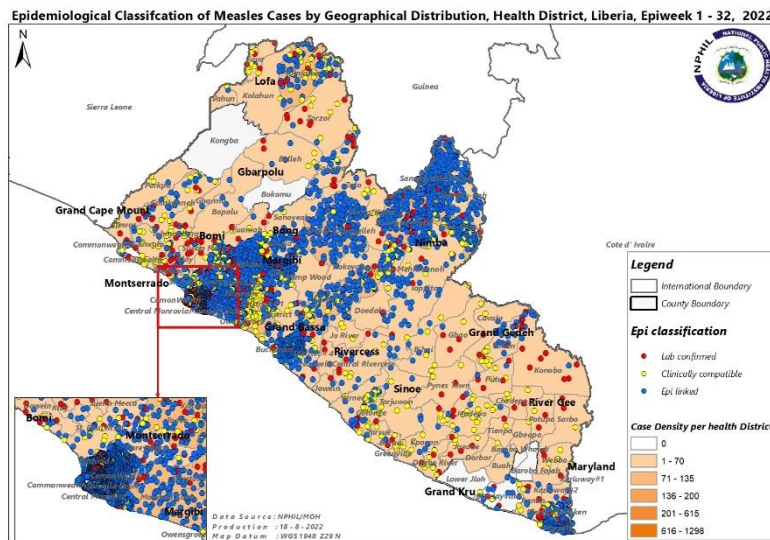
- Vaccinated: (41) 38%
- Not vaccinated: (48) 44%
- Unknown: (20) 18%

Age distribution among suspected cases

- < 5 years: (63) 58%
- ≥ 5 years: (46) 42%

Cumulatively six thousand seven hundred thirty-three (6,733) suspected cases have been reported including 77 deaths

- (6,254) 93% confirmed:
  - ✓ Laboratory confirmed: (423) 7%
  - ✓ Clinically compatible: (538) 8%
  - ✓ Epidemiologically linked: (5,293) 85%
- Non-measles discarded: 479
  - ✓ 30 tested positive for Rubella
- Proportion of samples collected: (1,028/6,733) 15%
- Proportion of samples tested: (902/1,028) 88%
- CFR: (77/6,254) 1.2%



## Outbreak

### Measles: (Situation update as of the 13<sup>th</sup> December 2021-14<sup>th</sup> August, 2022)

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

Thirty (30) new cases reported from Bushrod (13), Commonwealth (5), Central Monrovia (5), Careysburg (3), Todee (3), and Somalia Drive (1) Districts

A total of 3,560 cases have been confirmed including sixty-three (63) deaths

- Median age 6 (1month-59years)
- Vaccinated - (1,672/3,560) 47%
- Unknown - (40/3,560) 1%

CFR (63/3,560) 1.8%



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## Bong County: Suakoko, Zota, Jorquelleh, Salala, and Panta Districts (Situation update as of 20th December 2021-14th August, 2022)

- 📁 Five (5) new cases reported from Salala (3) and Suakoko (2) Districts
- 📁 A total of 331 cases have been confirmed including two (2) deaths
  - Median age 8 (1 month - 38 years)
  - Vaccinated - (111/331) 34%
  - Unknown - (59/331) 18%
  - CFR (2/331) 0.6%

## Lofa County: Voinjama, Foyah, Zorzor and Salayea Districts (Situation update as of 21st January – 14th August, 2022)

- 📁 Three (3) new case reported from Voinjama (2), and Salayea (1) Districts
- 📁 A total of 154 cases have been confirmed
  - Median age: 10 (2 months-46years)
  - Vaccinated: (146/154) 95%
  - Unknown: (3/154) 2%

## Nimba County: Gbehlay-Geh, Sacleapea-Mah, Zoe-Geh, Tappita, Yarwin Mehnsonnoh, and Sanniquellie-Mah Districts (Situation update as of 20th January-14th August, 2022)

- 📁 Seven (7) new cases reported from Tappita (5), and Zoe-Geh (2) Districts
- 📁 A total of 616 cases have been confirmed
  - Median age 7 (2 months- 48years)
  - Vaccinated: (125/616) 20%
  - Unknown: (105/616) 17%

## Maryland County: Harper and Pleebo Districts (Situation update as of 1st February- 14th August, 2022)

- 📁 Ten (10) new cases reported from Pleebo (7), and Harper (3) Districts
- 📁 A total of 176 cases have been confirmed
  - Median age 7 (7 months-48 years)
  - Vaccinated: (22/176) 13%
  - Unknown: (101/176) 57%

## Grand Bassa County: District #1, District#2, District #3A&B, District #4, Owensgrove, and Buchanan Districts (Situation update as of 22nd April-14th August, 2022)

- 📁 Thirty (30) new cases reported from District #3A&B (11), District#4 (5), Buchanan (5), and District #2 (4), District #1 (3) and Owensgrove (2) Districts
- 📁 A total of 511 cases including three (3) deaths have been confirmed
  - Median age 7 (1 month-45 years)
  - Vaccinated: (208/511) 41%
  - Unknown: (103/511) 20%
  - CFR (3/511) 0.6

## Gbarpolu: Belle and Kongba Districts (Situation update as of 22nd February- 14th August, 2022)

- 📁 No new case reported
- 📁 A total of 15 cases have been confirmed
  - Median age 10 (1-24 years)
  - Vaccinated: (7/15) 47%
  - Unknown: (2/15) 13%



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## **Bomi County: Senjeh, Suehn Mecca, Dowein, and Klay Districts (Situation update as of 14th March-14th August, 2022)**

- 📁 Four (4) new cases reported from Klay (3), and Senjeh (1) districts
- 📁 A total of 66 cases have been confirmed including 6 deaths
  - Median age 7 (1 month-48 years)
  - Vaccinated: (30/66) 45%
  - Unknown: (20/66) 30%
  - CFR (6/66) 9%

## **Grand Kru: Trehn, and Barclayville Districts (Situation update as of 14th March – 14th August, 2022)**

- 📁 Two (2) new case reported Barclayville District
- 📁 A total of 31 cases confirmed
  - Median age 9 (53 months- 18 years)
  - Vaccinated: (22/31) 71%
  - Unknown: 0

## **Rivercess: Central C District (Situation update as of 16 March – 14th August, 2022)**

- 📁 Three (3) new cases reported from Central C
- 📁 A total 27 confirmed cases have been recorded
  - Median age 5 (6 months -36 years)
  - Vaccinated: (5/27) 19%
  - Unknown: (14/27) 52%
  - CFR: (1/27) 4%

## **Margibi County: Firestone, Gibi, Kakata, and Mamba Kaba Districts (Situation update as of 28 February–14th August, 2022)**

- 📁 Four (4) new cases reported from Kakata (3) and Gibi (1) districts
- 📁 A total of 510 cases have been confirmed
  - Median age 6 (4 months - 67 years)
  - Vaccinated: (264/510) 52%
  - Unknown: (94/510) 18%

## **Grand Cape Mount County: Gola Konneh, and Garwula Districts (Situation update as of 10 March –14th August , 2022)**

- 📁 Four (4) new cases reported from Gola Konneh and Garwula districts
- 📁 A total of 75 cases have been confirmed including 3 deaths
  - Median age 12 (2 months – 45 years)
  - Vaccinated: (60/75) 80%
  - Unknown (2/75) 3%
  - CFR: (3/75) 4%

## **Grand Gedeh County: Tchien, Konobo, Bhai and Gbao Districts (Situation update as of 10th March –14th August, 2022)**

- 📁 Three (3) new cases reported from Tchien district
- 📁 A total of 69 cases have been confirmed
  - Median age 6 (6 months-35 years)
  - Vaccinated (28/69) 41%
  - Unknown: (21/69) 30%



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## Sinoe: Gblonee, Dugbeh River, Kpanyan and Jedepo Districts (Situation update as of 19th May -14th August, 2022)

- 👉 Four (4) new cases reported from Kpanyan (3) and Dugbeh River (1) Districts
- 👉 A total of 103 cases have been confirmed
  - Median age 6 (2 months-38 years)
  - Vaccinated: (61/103) 59%
  - Unknown (23/103) 22%

## River Gee: Chedepo and Putu Districts (Situation update as of 29th June- 14th August, 2022)

- 👉 No new case reported
- 👉 A total of 10 cases have been confirmed
  - Median age 10 (9months-48 years)
  - Vaccinated: (8/10) 80%
  - Unknown: 0

## Public Health Response

### I. Coordination

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

### II. Epidemiological Surveillance

- 👉 Active case search and line listing of cases ongoing

### III. Case management

- 👉 Isolation of cases ongoing

### IV. Immunization

- 👉 **Phase 2** of the nationwide Measles campaign completed:
  - Total children targeted- 313, 817
  - Total children vaccinated- 281, 639
  - Coverage-90%
  - Age group 9-59 months
  - Supported by WHO and UNICEF
- 👉 **Phase 1:**
  - Total children targeted - 260,438
  - Total children vaccinated - 109,258
  - Coverage -42%
  - Age group 9-35 months
  - Supported by WHO and UNICEF

### V. Laboratory

- Three hundred seventy-three (373) cases have been confirmed by laboratory from 62 health districts in 15 counties
- Lack of specimen collection kit in Grand Cape Mount County

### VI. Risk Communication and Community Engagement

- Airing of measles prevention and control messages ongoing (Rivercess, Bomi and Lofa) counties

### VII. Challenges

- Lacked of essential medications and medical supplies for case management
- No support for surveillance team for field work



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- Delay lab result from NPHRL

## VIII. Next steps

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

## Acute Flaccid Paralysis (AFP)

- 👉 Four (4) cases reported from Montserrado (3), and Margibi (1) Counties
  - Four specimens collected and shipped
- 👉 Cumulatively, seventy-nine (79) cases have been reported

## Neonatal Tetanus

- 👉 Two (2) cases reported from Montserrado, and Grand Kru Counties
- 👉 Cumulatively, thirty-six (36) clinically diagnosed cases reported

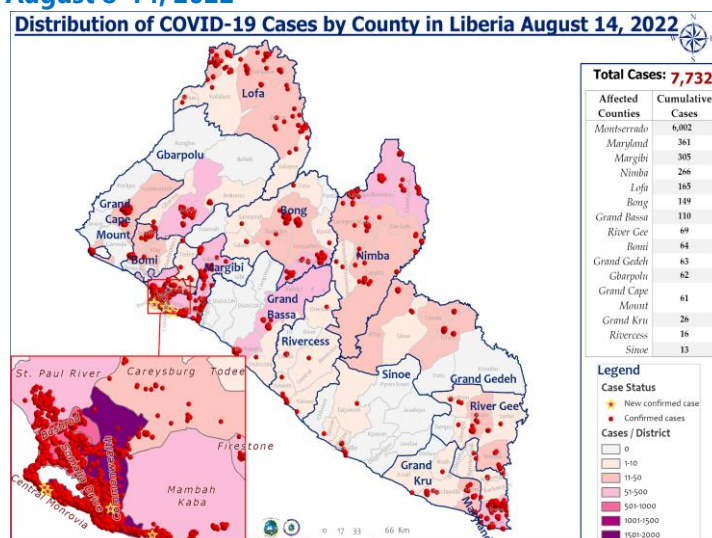
## Influenza-Like Illnesses

### Coronavirus Disease (COVID-19)

#### Outbreak

- 👉 Eighteen (76) new confirmed cases reported from Montserrado (68), Nimba (7), and Margibi (1) Counties
- 👉 One hundred seventy-eight (178) active cases were reported from Montserrado (157), Nimba (20), and Margibi (1) Counties
- 👉 A total of eight hundred twenty-three (823) confirmed cases have been reported since epi week 1
- 👉 Cumulatively, seven thousand seven hundred thirty-two (7,732) confirmed cases recorded including 294 deaths.
  - 412 healthcare workers (including 8 deaths) reported with 17,823 contacts generated

**Figure 2: Geographical Distribution of Laboratory Confirmed COVID-19 Cases by Health Districts, Liberia, as of August 8-14, 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

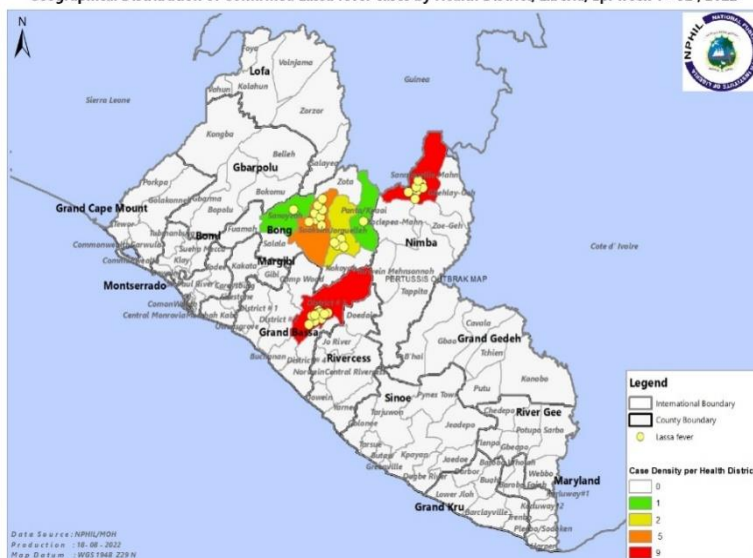


## Viral Hemorrhagic Diseases

### Lassa fever

- 👉 One (1) suspected case (dead) reported from Nimba County
- 👉 Specimen collected and tested positive
- 👉 Cumulatively, one hundred one (101) suspected cases have been reported including 14 deaths
  - Thirty-three (33) confirmed cases recorded including 10 deaths
  - Sixty-five (65) negative
  - Case Fatality Rate: (10/33) 30%
  - Proportion of suspected cases with sample collected (100/101) 99%
  - Proportion of suspected cases with sample tested (98/100) 98%
    - 2 samples rejected
    - 1 not collected

Geographical Distribution of Confirmed Lassa fever cases by Health District, Liberia, Epi week 1 - 32, 2022



### Outbreak

#### Lassa fever disease: (sitrep update as of August 14, 2022)

- 👉 One (1) new confirmed case reported
- 👉 Twenty-seven (27) new contacts generated and under 21 days follow up
- 👉 Cumulatively, thirty-three (33) laboratory-confirmed cases including 10 deaths reported (CFR=30%)

#### Nimba County: Sanniuellie-Mah District

- 👉 One new confirmed case reported from Sanniuellie-Mah District
- 👉 Cumulative case: 1
  - CFR (1/1) 100%
- 👉 Cumulative contacts: 27 (17 health care workers)
  - All contacts under 21 days follow up

#### Public Health Measures

- 👉 NPHIL and MOH providing technical and logistical support to counties
  - Conducting community engagement on the prevention of Lassa fever, rodent control measures and hygiene
  - Encouraging affected communities to enhance clean-up campaigns

#### Bong County: Jorquellie Districts

- 👉 No new confirmed case reported
- 👉 Cumulatively, fourteen (14) confirmed cases including (3) deaths (CFR 21.4%)
  - Suakoko District: 9 cases and 3 deaths
  - Jorquellie District: 3 cases
  - Sanoyea District: 1 case
  - Kpaai District: 1 case
- 👉 Total of one hundred seventy-four (174) contacts generated
  - All contacts completed 21 days follow up

#### Public Health Measures

- 👉 Risk communication interventions
  - Daily health talk in all health facilities on priority diseases



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- Airing of LF preventive and control messages
- 👉 Case management
  - Isolated, managed, and discharged cases
- 👉 Surveillance
  - Active case search ongoing in the affected health districts
  - Heighten surveillance in all districts
  - Daily situational reports are shared regularly to national level

## Yellow fever

- 👉 One (1) suspected case reported from Bomi County
- 👉 Specimen was collected and pending testing
- 👉 Cumulatively, fifty-six (56) suspected cases have been reported
  - Proportion of suspected cases with sample collected (50/56) 89%
  - Proportion of suspected cases with sample tested (45/50) 90%
  - Samples pending testing (5/50) 10%

## Diarrheal Diseases

### Acute Bloody Diarrhea (Suspected Shigellosis)

- 👉 Eight (8) suspected cases reported from Lofa (4), Sinoe (2), and Grand Kru (2) Counties
- 👉 Two (2) specimens collected and pending testing
- 👉 Cumulatively, three hundred eighteen (318) suspected cases reported
  - Three hundred eighteen (318) specimens collected; 125 received by the lab
    - 105 tested negative
    - 1 positive (Grand Gedeh)
    - 11 rejected
    - 8 specimens not tested

### Severe Acute Watery Diarrhea (Suspected Cholera)

- 👉 Six (6) suspected cases reported from River Gee (4), Lofa (1), and Maryland (1) Counties
- 👉 Five (5) specimens were collected and pending testing
- 👉 Cumulatively, two hundred thirty-nine (239) suspected cases reported
  - 128 specimens collected; 79 received by the lab
  - 56 tested negative
  - 5 rejected
  - 18 specimens not tested

## Other Reportable Diseases

### Animal bite (Human Exposure to Rabies)

- 👉 Thirty (30) animal bite cases were reported: Montserrado (9), Bong (5), Rivercess (2), Grand Cape Mount (2), Nimba (2), Lofa (2), Grand Bassa (2), Grand Gedeh (2), Grand Kru (2), River Gee (1), and Maryland (1) Counties
- 👉 Persons received Post Exposure Prophylaxis (PEP) (7/30) 23%





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- 📁 Cumulatively, one thousand three hundred thirty-four (1,334) animal bite cases reported
  - Dog bites account for 100%
  - 1-4 doses (PEP) administered to (230) 17% patients

## Public Health Actions

- 📁 Administration of post exposure prophylaxis

## Meningitis

- 📁 Zero suspected cases reported
- 📁 Cumulatively, twenty-four (24) suspected cases reported
  - One (1) confirmed

## Monkeypox

- 📁 Zero cases reported
- 📁 Cumulatively, thirty-one (31) suspected cases reported
  - Two (2) confirmed

## Outbreak

### Monkey pox: (sitrep update as of August 14, 2022)

#### Maryland County:

- 📁 No new confirmed case reported
- 📁 Cumulatively, 2 cases reported and discharged
- 📁 Seven (7) contacts have been identified
  - Four completed 21-day follow-up in Maryland County

#### Bomi County:

- 📁 No new confirmed case reported
- 📁 Cumulatively, one (1) confirmed case reported and discharged
- 📁 A total of 3 contacts have been generated and being monitored

## Public Health Measures

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

## Events of Public Health Importance

### Maternal Mortality

- 📁 Five (5) deaths reported: Bomi, Grand Cape Mount, Bong, Lofa, and Nimba Counties
  - Cause of death: Eclampsia, obstructed labor, post-partum hemorrhage, Sepsis and ante partum hemorrhage
  - All deaths occurred at the health facility
- 📁 Cumulatively, two hundred three (203) deaths have been reported
  - Proportion of deaths reviewed (49/203) 24%
  - Proportion of community deaths (19/203) 9%
    - Proportion of community deaths reviewed: (8/19) 42%



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## Neonatal Mortality

- ✎ Five (5) deaths reported: Grand Bassa (2), Maryland (2), and Margibi (1) counties
  - Causes of death: Birth asphyxia (3) and Sepsis (2)
  - All deaths occurred at the health facility
- ✎ Cumulatively, five hundred twenty-four (524) deaths have been reported
  - Proportion of deaths reviewed (60/524) 11%
  - Proportion of community deaths (21/524) 4%
    - Proportion of deaths reviewed from community (8/21) 38%

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

- ✎ Five (5) cases reported: Bomi (2), Sinoe (2), and Grand Gedeh (1) Counties
  - Related vaccines:
    - Tetanus Toxoid (TT) -2
    - Measles – 1
    - Typhoid Conjugate–1
    - COVID-19- 1
- ✎ Cumulatively, three hundred forty (340) events reported with (226/340) 66% related to COVID-19
- ✎ Proportion of COVID-19 vaccine
  - J&J vaccine – (167/226) 74%
  - AstraZeneca – (6/226) 3%
  - Pfizer – (53/226) 23%
- ✎ Proportion of other vaccine related events – (114/340) 34%

## 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 5,347 travelers recorded for the week with incoming travelers accounting for 50% (2,675/5,347)

**Table2: Border activity at the PoE for Incoming and Outgoing Travelers, Liberia, Epi week 32, 2022**

Type of Ports	Point of Entry	Weekly total	Arrival	Departure	Total travelers with YB	Yellow Book Damage	Book Replaced	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	90	50	40	90	0	0	0	0	0	0	14
	Robert Int'l Airport	3725	1832	1893	3691	30	0	0	4	0	0	3608
Seaport	Freeport of Monrovia	190	95	95	190	0	0	0	0	0	0	190
	Buchanan Port	36	18	18	36	0	0	0	0	0	0	36
Land Crossing	Bo Water Side	538	347	191	500	0	28	10	0	0	0	74
	Ganta	521	203	318	478	14	29	0	0	0	0	67
	Yekepa	120	72	48	95	25	0	0	0	0	0	20
	Loguatu	127	58	69	121	6	0	0	0	0	0	19
Total		5,347	2,675	2,672	5,201	75	57	14	0	0	0	4,028

**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

- 👉 Providing technical, logistical, and financial support to counties
  - Production and publication of situational reports
  - Training of IDSR 3<sup>rd</sup> edition ongoing in Nimba and Lofa Counties
  - Influenza sentinel training ongoing in Bong and Nimba Counties
  - RRT district level training ongoing in Grand Cape Mount County
  - Conducted Simulation exercise in Grand Cape Mount County
- 👉 Operational Activity
  - Continued support for operational activities ongoing

### County level

- 👉 **Surveillance**
  - Conducting Measles vaccination campaign
  - 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

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	1	0	3	0	0	0	0	4	79	0	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Measles	A	4	5	0	30	4	3	2	3	4	10	30	7	3	0	4	109	6,733	423
		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	1	0	0	0	1	0	0	0	0	2	36	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
Yellow fever	A	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	56	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	0	0	0	0	0	0	0	0	0	0	0	0	0	101	0
		D	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	32	33
Influenza-Like Illnesses	COVID-19	A	0	0	0	0	0	0	0	1	0	68	7	0	0	0	76	823	7,529	
		D	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	2	4	0	0	0	0	0	0	2	8	318	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	1	0	1	0	0	0	4	0	6	239	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	1	1	0	1	0	0	1	0	0	0	1	0	0	0	5	203		
	Neonatal Mortality	D	0	0	0	2	0	0	0	1	2	0	0	0	0	0	5	524		
	Adverse Events Following Immunization (AEFI)	A	2	0	0	0	0	1	0	0	0	0	0	0	0	0	2	5	340	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	31	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	0	5	0	2	2	2	2	2	0	1	9	2	2	1	0	30	1,334	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	24	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		8	11	0	34	7	6	7	11	7	14	111	18	5	5	8	252	10954	8283	

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:  $\geq 80\%$ ). 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:  $\geq 2/100,000$ )
- 👉 **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

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### For comments or questions, please contact

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## National Public Health Institute of Liberia (NPHIL)

### MISSION

To prevent and control public health threats by promoting healthy outcomes and serving as a source of knowledge

### VISION

A center of excellence to create health outcomes for Liberians through a strong preventive health system and expertise

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### Data sources

Data and information is provided by the fifteen County Surveillance Officers and National Public Health Reference Laboratory via regular weekly reports, telephone calls and email exchanges. Situations are evolving and dynamic therefore numbers stated are subject to change.