



# Liberia IDSR Epidemiology Bulletin

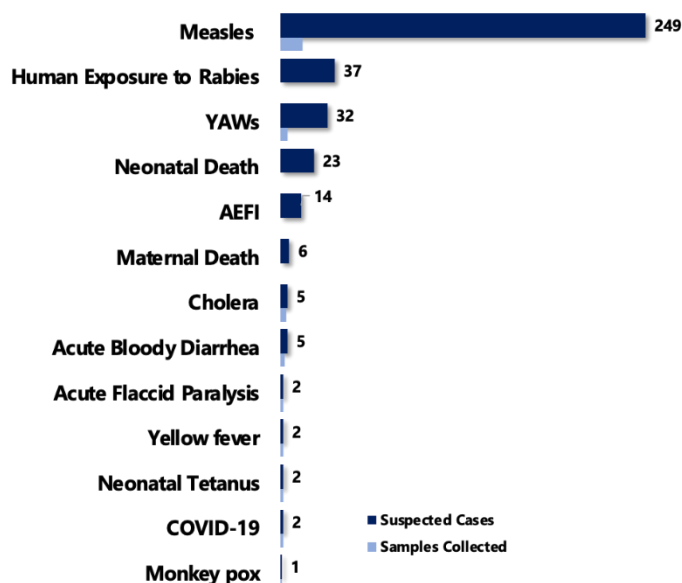
Epi-week 24 (June 13-19, 2022)

Country Population: 5,104,413 | Volume 14 Issue 24 | June 13-19, 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 **380 events** of public health importance including **31 deaths** were reported
- ♦ **Completeness and timeliness** of health facility reports were both **100%**
- ♦ **Ongoing Lassa fever** outbreak in two counties
- ♦ **Ongoing Measles** outbreak in fourteen counties
- ♦ **Suspected Yaws outbreak** reported in two counties
- ♦ **Two (2) new confirmed COVID-19** cases reported from Montserrado County

\*Adverse Events Following Immunization /Adverse Drug Reaction

## Reporting Coverage

Table 1: Health Facility Weekly IDSR Reporting Coverage, Liberia, Epi Week 24, 2022

County	Expected from HF*	Reports	Reports Received	Received on Time	Completeness (%)	Timeliness (%)
Bomi	26	26	26	26	100	100
Bong	57	57	57	57	100	100
Gbarpolu	15	15	15	15	100	100
Grand Bassa	36	36	36	36	100	100
Grand Cape Mount	34	34	34	34	100	100
Grand Gedeh	24	24	24	24	100	100
Grand Kru	23	23	23	23	100	100
Lofa	66	66	66	66	100	100
Margibi	56	56	56	56	100	100
Maryland	27	27	27	27	100	100
Montserrado	326	326	326	326	100	100
Nimba	88	85	85	85	100	100
Rivercess	21	21	21	21	100	100
River Gee	20	20	20	20	100	100
Sinoe	37	37	37	37	100	100
<b>Liberia</b>	<b>856</b>	<b>850</b>	<b>850</b>	<b>850</b>	<b>100</b>	<b>100</b>

856 (100%)  
Health facilities reported IDSR data

93 (100%)  
Health districts reported IDSR data

856 (100%)  
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: ≥80 <80

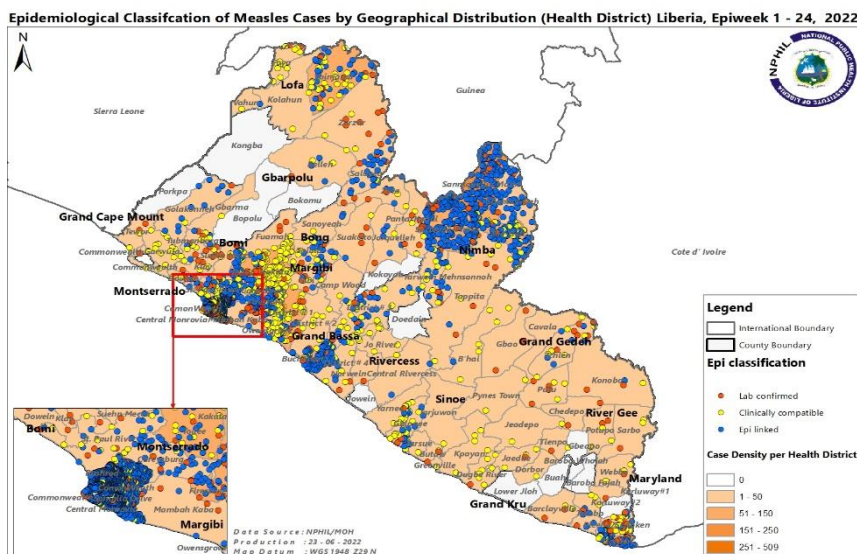
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## Vaccine Preventable Diseases

### Measles

- 👉 Two hundred forty-nine (249) suspected cases were reported: Montserrado (155, including 1 death), Nimba (35), Margibi (18), Grand Bassa (11), Bong (11), Gbarpolu (6), Grand Gedeh (5), Grand Kru (3), Lofa (2), Grand Cape Mount (2), and Maryland (1) Counties
- 👉 Fifteen (15) specimens collected pending testing
- 👉 Vaccination status among suspected cases
  - Vaccinated: 42% (105)
  - Not vaccinated: 50% (124)
  - Unknown: 8% (20)
- 👉 Age distribution among suspected cases
  - < 5 years: 51% (126)
  - ≥ 5 years: 49% (123)



- 👉 Cumulatively, four thousand six hundred forty-four (4,644) suspected cases have been reported including 62 deaths
  - 4,257 (92%) confirmed including 18 Rubella cases:
    - ✓ Laboratory confirmed: 8% (328)
    - ✓ Clinically compatible: 13% (537)
    - ✓ Epidemiologically linked: 79% (3,374)
  - Non-measles discarded (negative): 387
  - Rejected samples: 17
  - Proportion of samples collected: (755/4,644) 16%
  - Proportion of samples tested: (733/755) 97%

## Outbreak

### Measles: (Situation update as of the 13th December 2021-26<sup>th</sup> June, 2022)

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

- 👉 One hundred sixty-three (163) new cases reported from Bushrod (80), Commonwealth (27), Somalia Drive (20), St. Paul (12), Central Monrovia (11), Todee (11), and Careysburg (2) Districts
- 👉 A total of two thousand seven hundred one (2,701) cases have been confirmed
  - Median age 5 (1 months-59 years)
  - CFR (40/2,701) 1.5%
  - Vaccinated (1,297/2,701) 48%
  - Unknown -(25/2,701) 0.9%

#### Bong County: Suakoko, Zota, Jorquellah, Salala, and Panta Districts (As of 21<sup>st</sup> January- 19<sup>th</sup> June, 2022)

- 👉 Eleven (11) new cases reported from Suakoko (8) and Salala (3) Districts
- 👉 A total of one hundred fifty-nine (159) cases have been confirmed including three (3) deaths



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- Median age (3 months-36 years)
- CFR (3/159) 1.9%
- Vaccinated (13/159) 8%
- Unknown - (98/159) 62%

## **Lofa County: Voinjama, Foyah, Zorzor, and Salala Districts (As of 21<sup>st</sup> January-19<sup>th</sup> June, 2022)**

- 👉 Two (2) new cases reported from Zorzor District
- 👉 A total of one hundred thirty-two (132) cases confirmed
  - Median age 8 (1 month-46 years)
  - Vaccinated: (127/132) 96%
  - Unknown: (3/132) 2%

## **Nimba County: Sacleapea-Mah, Zoe-Geh, Sacleapea-Mah, Tappita, Yarwin Mehnsonnoh, and Sanniquellie-Mah Districts (As of 20<sup>th</sup> January-19<sup>th</sup> June, 2022)**

- 👉 Thirty-five (35) new cases reported from Zoe-Geh (15), Sanniquellie-Mah (13), Yarwin Mehnsonnoh (4), Gbehlay-Geh (1), Sacleapea-Mah (1), and Tappita (1) Districts
- 👉 A total of five hundred fourteen (514) cases have been confirmed
  - Median age 7 (2 months-48) years
  - Vaccinated: (91/514) 18%
  - Unknown: (100/514) 19%

## **Maryland County: Harper and Pleebo Districts (As of 1<sup>st</sup> February-19<sup>th</sup> June, 2022)**

- 👉 One (1) new case reported from Harper District
- 👉 A total of one hundred ten (110) cases have been confirmed
  - Median age 8 (7 months-48 years)
  - Vaccinated: (14/110) 13%
  - Unknown: (66/110) 60%

## **Grand Bassa County: District #1, District #2, District #3 A&B, District #4, Owensgrove, and Buchanan Districts**

- 👉 Twelve (12) new cases reported from Buchanan (9), District #4 (1), District #3 A&B (1), and Owensgrove (1) Districts
- 👉 A total of two hundred ninety (290) cases including one (1) death have been confirmed
  - Median age (18 months-35 years)
  - Vaccinated: (115/290) 39.6%
  - Unknown: (54/290) 18.6%
  - CFR (1/290) 0.3%

## **Bomi County: Suehn Mecca, Senjeh, Dowein, and Klay Districts (As of 7<sup>th</sup> March- June 19<sup>th</sup>, 2022)**

- 👉 No new case reported
- 👉 A total of fifty (50) cases have been confirmed including 3 deaths
  - Median age 7 (1 month-45 years)
  - Vaccinated: (23/50) 46%
  - Unknown: (22/50) 44%
  - CFR (3/50) 6%

## **Grand Kru: Trehn District (As of 14<sup>th</sup> March-19<sup>th</sup> June, 2022)**

- 👉 No new case reported
- 👉 A total of ten (10) cases confirmed
  - Median age 3 (4 months- 9) years
  - Vaccinated: (7/10) 70%
  - Unknown: ()



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## Rivercess: Central C and Jo- River (As of 14<sup>th</sup> March-19<sup>th</sup> June, 2022)

- 👉 No new case reported
- 👉 A total of twelve (12) cases have been confirmed
  - Median age 3 (6 months -12 years)
  - Vaccinated: (4/12) 33%
  - Unknown: (4/12) 33%

## Margibi County: Kakata, Gibi, and Mamba Kaba Districts (As of 16<sup>th</sup> March-19<sup>th</sup> June, 2022)

- 👉 Twenty (20) new cases reported from Kakata (11), Mamba Kaba (6), and Gibi (3) Districts
- 👉 A total of three hundred seventy (370) cases confirmed
  - Median Age 6 (1 month –58 years)
  - Vaccinated: (221/370) 60%
  - Unknown: (72/370) 19%

## Grand Cape Mount County: Gola Konneh and Porkpa Districts (As of 10<sup>th</sup> March-26 June, 2022)

- 👉 Two (2) new cases reported from Gola Konneh and Porkpa Districts
  - A total of forty-six (46) cases have been confirmed
  - Median age 12 (5 –67 years)
  - Vaccinated: (41/46) 89%
  - Unknown (1/46) 2.2%

## Grand Gedeh County: Tchien District (As of 10<sup>th</sup> March-19<sup>th</sup> 2022, 2022)

- 👉 Three (3) new cases reported from Tchien District
- 👉 A total of forty-one (41) cases have been confirmed
  - Median Age 6 (2 month-15 years)
  - Vaccinated (22/41) 54%
  - Unknown: (9/41) 22%

## Gbarpolu: Kongba District (As of 22<sup>nd</sup> February- 19<sup>th</sup> June, 2022)

- 👉 Six (6) new cases reported from Kongba District
- 👉 A total of thirteen (13) cases have been confirmed
  - Median age 17 (6 months -22 years)
  - Vaccinated: (4/13) 31%
  - Unknown: (3/13) 23%

## Sinoe: Gblonee and Jedepo Districts (As of 19<sup>th</sup> May -19<sup>th</sup> June, 2022)

- 👉 No new case reported
- 👉 A total of 63 cases have been confirmed
  - Median age 6 (5 months-38years)
  - Vaccinated: (14/63) 22%
  - Unknown (17/63) 27%

## Public Health Actions

- 👉 Conducted nation-wide immunization campaign in all 15 counties
- 👉 Continue case management and follow up with home-based cases (Maryland and Rivercess) Counties
- 👉 Routine Immunization ongoing in affected communities (Bong County)
- 👉 Airing of measles prevention and control messages on going (Rivercess Bong and Lofa) counties
- 👉 Awareness and sensitization of family members ongoing in Grand Bassa County



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## 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 Nimba County
- 👉 Specimens collected
  - One pending shipment
  - One shipped
- 👉 Cumulatively, sixty-six (66) cases have been reported

## Neonatal Tetanus

- 👉 Two (2) case reported from Montserrado County
- 👉 Cumulatively, twenty-eight (28) clinically diagnosed cases reported

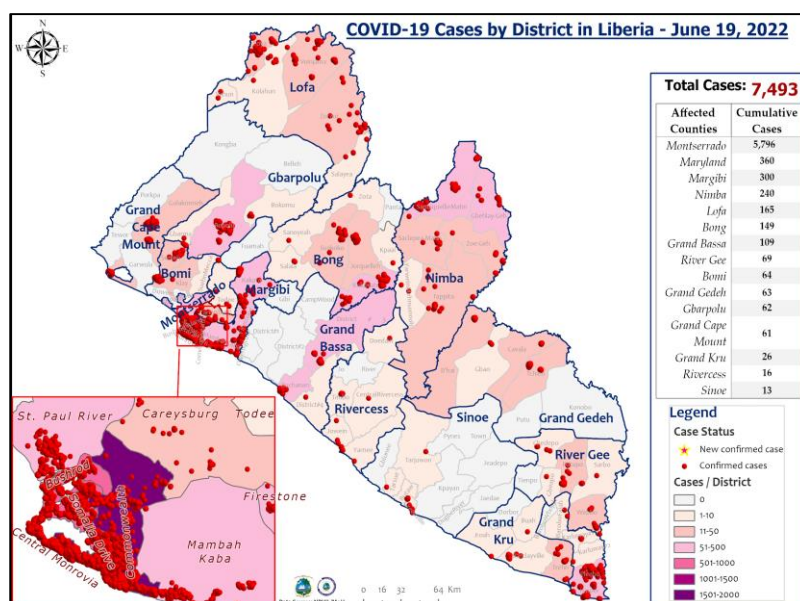
## Influenza-Like Illnesses

### Coronavirus Disease (COVID-19)

#### Outbreak

- 👉 Two (2) confirmed cases reported from Montserrado County
- 👉 Thirty-five (35) active case were reported from Montserrado (33), Margibi (1) and Maryland (1) Counties
- 👉 A total of six hundred (600) confirmed cases have been reported since epi week 1
- 👉 Cumulatively, seven thousand four hundred ninety-three (7,493) confirmed cases recorded including 294 deaths.
  - 412 healthcare workers (including 8 deaths) reported with 17,653 contacts generated

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

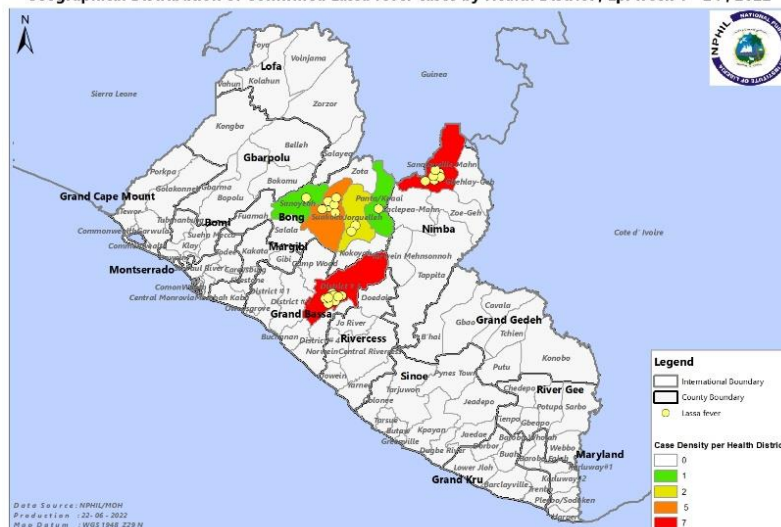


## Viral Hemorrhagic Diseases

### Lassa fever

- 👉 Zero cases reported
- 👉 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 - 24, 2022



## Outbreak

### Lassa fever disease: (sitrep update as of June 19, 2022)

- 👉 No new confirmed cases reported
- 👉 Fifteen (15) contacts under follow up
  - Twenty (20) laboratory-confirmed cases including 3 deaths reported

### 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
  - Active case search ongoing in the affected health district
  - Heighten surveillance in all districts



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- Daily sitreps shared regularly to national level

## Bong County: Suakoko District

👉 No 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

👉 Two (2) cases reported from Rivercess and Grand Kru County

👉 Specimens collected and pending testing

👉 Cumulatively, forty-six (46) suspected cases reported



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- Proportion of suspected cases with sample collected (41/46) 89%
- Proportion of suspected cases with sample tested (34/41) 83%

## Diarrheal Diseases

### Acute Bloody Diarrhea (Suspected Shigellosis)

👉 Five (5) suspected cases reported: Grand Gedeh (3), Grand Bassa (1) and Maryland (1) Counties

- Three (3) specimens collected; pending testing

👉 Cumulatively, two hundred seventy-two (272) suspected cases reported

- One hundred twenty-six (126) specimens collected; 106 received by the lab
  - 1 positive, 84 negative
  - 11 rejected
  - 8 specimens not tested (discarded)

### Severe Acute Watery Diarrhea (Suspected Cholera)

👉 Five (5) suspected cases reported: Maryland (3), Gbarpolu (1), and Grand Gedeh (1) Counties

👉 Four (4) specimens collected; pending testing

👉 Cumulatively, one hundred eighty-eight (188) suspected cases reported

- 99 specimens collected; 59 received by the lab
- 44 tested negative
- 5 rejected
- 13 specimens not tested

## Other Reportable Diseases

### Animal bite (Human Exposure to Rabies)

👉 Thirty-seven (37) animal bite cases were reported: Bong (8; including 1 death), Nimba (7), Montserrado (4), Grand Kru (4), Maryland (4), Grand Bassa (3), Margibi (3), Lofa (1), Grand Cape Mount (1), Rivercess (1), and Grand Gedeh (1) Counties

- Nine (9) persons (24%) received PEP

👉 Cumulatively, one thousand thirty-nine (1039) animal bite cases reported

- Dog bites account for 100%
- 1-4 doses (PEP) administered to about (172/1039) 17% of patients

## Public Health Actions

👉 Administration of post exposure prophylaxis

### Meningitis

👉 Zero case reported

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

- One (1) confirmed

### Monkey pox

👉 One (1) suspected case reported from Lofa County





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- 📁 One specimen collected
- 📁 Cumulatively, fifteen (15) suspected cases reported, one (1) specimen collected pending shipment

## Events of Public Health Importance

### Maternal Mortality

- 📁 Six (6) deaths reported: Montserrado (4), Bong (1), and Nimba (1) Counties
  - 1 case pending investigation
  - Cause of death: Post-partum Hemorrhage (1), Sepsis (2), Eclampsia (1), under review (2)
  - All deaths occurred at the health facility
- 📁 Cumulatively, one hundred six-two (162) deaths reported
  - Proportion of deaths reviewed (43/162) 27%
  - Proportion of community deaths (16/162) 10%
    - Proportion of community deaths reviewed: (8/43) 19%

### Neonatal Mortality

- 📁 Twenty-three (23) deaths reported: Montserrado (13), Bong (5), Lofa (2), Grand Gedeh (1), Rivercess (1), and Sinoe (1) counties
  - Causes of death: Birth asphyxia (13), Sepsis (7), Preterm (1), jaundice (2)
  - All deaths occurred at the health facility
- 📁 Cumulatively, four hundred thirty-six (436) deaths have been reported
  - Proportion of deaths reviewed (55/436) 13%
  - Proportion of community deaths (14/436) 3%
    - Proportion of deaths reviewed from community (3/55) 5%

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

- 📁 Fourteen (14) cases reported from Grand Gedeh (8), Sinoe (3), Montserrado (1), Grand Cape Mount (1), Grand Bassa (1) Counties
  - Related vaccines:
    - COVID-19 (12)
    - Pneumo. (1)
    - Measles (1)
- 📁 Cumulatively: Two hundred thirty-three (233) events reported with (185/233) 79% related to COVID-19
- 📁 Proportion of COVID-19 vaccine
  - J&J vaccine – (141/185) 76%
  - AstraZeneca – (6/185) 3%
  - Pfizer – (38/185) 21%
- 📁 Proportion of other vaccine related events – 21% (48/233)

## 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 24, 2022**

✎ A total of 4,674 travelers recorded for the week with incoming travelers accounting for 48% (2,262/4,674)

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	COVID-19 Reactive	Evidence of COVID-19 vaccination card/certificate
Airport	James S. Paynes	81	47	34	81	0	0	0	0	0	10
	Robert Int'l Airport	3091	1383	1708	3069	13	0	9	0	0	3071
Seaport	Freeport of Monrovia	148	74	74	148	0	0	0	0	0	148
	Buchanan Port	120	60	60	120	0	0	0	0	0	120
Land Crossing	Bo Water Side	578	388	190	525	53	0	0	0	0	26
	Ganta	276	132	144	262	14	0	0	0	0	17
	Yekepa	205	97	108	200	5	0	0	0	0	10
	Loguatu	175	81	94	169	6	0	0	0	0	15
Total		4,674	2,262	2,412	4,574	91	0	9	0	0	3,417

**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

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	0	2	0	0	0	2	66	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Measles	A	0	11	6	12	2	5	3	2	18	1	154	35	0	0	0	249	4595	328
		D	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	49	0
	Neonatal Tetanus	A	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	28	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	0	0	1	0	0	0	0	0	1	0	0	2	46	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	66	20
		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	2	0	0	0	0	2	600	7493
		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	1	0	3	0	0	0	1	0	0	0	0	0	5	272	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	1	0	0	1	0	0	0	3	0	0	0	0	0	5	188	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	1	0	0	0	0	0	0	0	0	4	1	0	0	0	6	162	
	Neonatal Mortality	D	0	5	0	0	0	1	0	2	0	0	13	0	1	0	1	23	436	
	Adverse Events Following Immunization (AEFI)	A	0	0	0	1	1	8	0	0	0	0	1	0	0	0	3	14	233	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
		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	1	0	0	0	0	0	0	0	1	15	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	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	8	0	3	1	1	4	1	3	4	4	7	1	0	0	37	1037	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
	Meningitis	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	0
		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			0	25	7	17	4	19	8	6	21	9	181	45	3	0	4	349	7826	8143

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 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.