



Liberia IDSR Epidemiology Bulletin

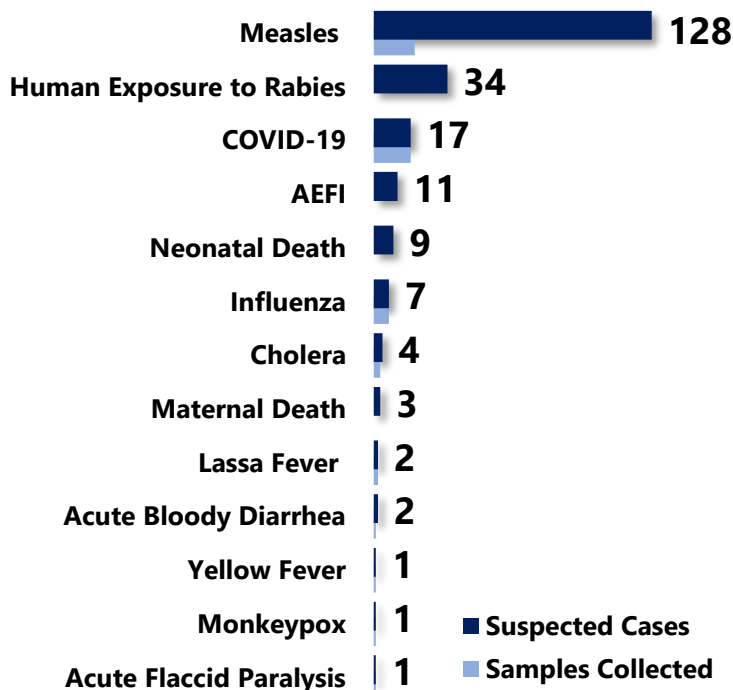
Epi-week 36 (September 5-11, 2022)

Country Population: 5,104,413 | Volume 17 Issue 36 | Sept 5-11, 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 220 events of public health importance including 15 deaths were reported
- ♦ Completeness and timeliness of health facility reports were both 100%
- ♦ Ongoing Lassa fever outbreak in 3 Counties
- ♦ Ongoing Measles outbreak in 15 Counties
- ♦ Seventeen new confirmed COVID-19 cases in 3 Counties

*Adverse Events Following Immunization/Adverse Drug Reaction

Reporting Coverage

Table 1: Health Facility Weekly IDSR Reporting Coverage, Liberia, Epi-week 36, 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	100	100
Lofa	66	66	66	100	100
Margibi	68	68	68	100	100
Maryland	27	27	27	100	100
Montserrado	326	326	325	100	100
Nimba	88	85	85	97	100
Rivercess	21	21	21	100	100
River Gee	20	20	20	100	100
Sinoe	37	37	37	100	100
Liberia	869	865	865	100	100

865(100%)
Health facilities reported IDSR data

93 (100%)
Health districts reported IDSR data

865(100%)
Health facilities reported timely IDSR data

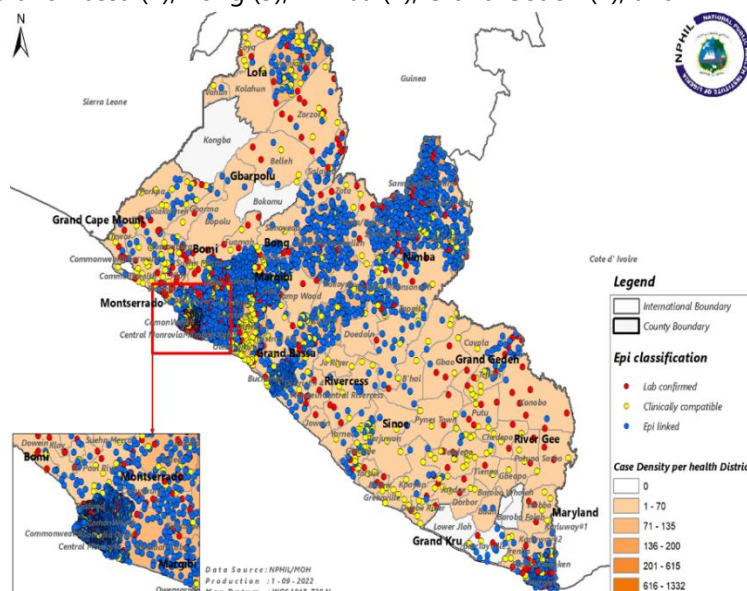
- ♦ The national target for weekly IDSR reporting is 80%. Health facility timeliness is monitored at the health district level
- ♦ All counties submitted weekly IDSR reports to the national level on time except Bong County

Legend: ≥80 <80

Vaccine-Preventable Diseases

Measles

- ✎ One hundred twenty-eight (128) suspected cases were reported: Montserrado (86 including 1 death), Maryland (8), Gbarpolu (6), Margibi (6), Sinoe (6), Grand Kru (5), Grand Bassa (4), Bong (3), Nimba (2), Grand Gedeh (1), and Grand Cape Mount (1) Counties.
- ✎ Nineteen (19) specimens collected and pending testing
- ✎ Vaccination status among suspected cases
 - Vaccinated: (76) 59%
 - Not vaccinated: (41) 32%
 - Unknown: (11) 9%
- ✎ Age distribution among suspected cases
 - < 5 years: (70) 55%
 - ≥ 5 years: (58) 45%
- ✎ Cumulatively, seven thousand three hundred twenty-four (7,324) suspected cases have been reported including 80 deaths
 - (6,798) 93% confirmed:
 - ✓ Laboratory confirmed: (437/6,798) 6%
 - ✓ Clinically compatible: (554/6,798) 8%
 - ✓ Epidemiologically linked: (5,807/6,798) 85%
 - Non-measles discarded: 526
 - ✓ 38 tested positive for Rubella
- ✎ Proportion of samples collected: (1,141/7,324) 16%
- ✎ Proportion of samples tested: (963/1,141) 84%
- ✎ CFR: (80/6,798) 1.2%



Geographical distribution of Measles Cases by epidemiological classification, health district, Liberia, Epi-week 1 - 36, 2022

Outbreak

Measles: (Situation update from 13th December- 11th September 2022)

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

- ✎ Eight-six (86) cases were reported from Somalia Drive (44), Commonwealth (14), Todee (10), Bushrod (7), St. Paul (7), Central Monrovia (3), and Careysburg (1) Districts
- ✎ A total of 3,857 cases have been confirmed including sixty-three (63) deaths
 - Median age 6 (1month-59years)
 - Vaccinated - (1,870/3,857) 48%
 - Unknown - (40/3,857) 1%
- ✎ CFR (63/3,857) 1.6%

Bong County: Suakoko, Zota, Jorquelleh, Salala, and Panta Districts (Situation update from 20th December 2021-11th September 2022)

- ✎ Three (3) new cases were reported from Salala District
- ✎ A total of 399 cases have been confirmed including two (2) deaths
 - Median age 8 (1 month - 38 years)
 - Vaccinated - (116/399) 29%
 - Unknown - (59/399) 15%
 - CFR (2/399) 0.5%



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Lofa County: Voinjama, Foyah, Zorzor, and Salayea Districts (Situation update from 21st January- 11th September 2022)

- 👉 No new case was reported
- 👉 A total of 161 cases have been confirmed
 - Median age: 10 (2 months-46years)
 - Vaccinated: (153/161) 95%
 - Unknown: (3/161) 2%

Nimba County: Gbehlay-Geh, Sacleapea-Mah, Zoe-Geh, Tappita, Yarwin Mehnsonnoh, and Sanniquellie-Mah Districts (Situation update from 20th January-11th September 2022)

- 👉 Two (2) new cases were reported from Sacleapea-Mah and Sanniquellie-Mah Districts
- 👉 A total of 634 cases have been confirmed
 - Median age 7 (2 months- 48years)
 - Vaccinated: (130/634) 21%
 - Unknown: (106/634) 17%

Maryland County: Harper and Pleebo Districts (Situation update from 1st February- 11th September 2022)

- 👉 Eight (8) new cases were reported from Harper (6) and Pleebo (2) Districts
- 👉 A total of 199 cases have been confirmed
 - Median age 7 (7 months-48 years)
 - Vaccinated: (28/199) 14%
 - Unknown: (121/199) 61%

Grand Bassa County: District #1, District #2, Owensgrove, and Buchanan Districts (Situation update from 22nd April -11th September 2022)

- 👉 Four (4) new cases were reported from District #4 (3), and District #1 (1) Districts
- 👉 A total of 556 cases including three (3) deaths have been confirmed
 - Median age 7 (1 month-45 years)
 - Vaccinated: (217/556) 39%
 - Unknown: (114/556) 21%
 - CFR (3/556) 0.5%

Gbarpolu: Belle and Kongba Districts (Situation update from 22nd February- 11th September 2022)

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

Bomi County: Klay District (Situation update from 14th March-11th September 2022)

- 👉 No new case was reported
- 👉 A total of 68 cases have been confirmed including 6 deaths
 - Median age 7 (1 month-48 year)
 - Vaccinated: (30/68) 44%
 - Unknown: (20/68) 29%
 - CFR (6/68) 9%

Grand Kru: Trehn and Barclayville Districts (Situation update from 14th March – 11th September 2022)

- 👉 No new case was reported
- 👉 A total of 81 cases confirmed
 - Median age 9 (53 months-18 years)
 - Vaccinated: (52/81) 64%



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Rivercess: Central C, Timbo, and Yarnee Districts (Situation update from 16th March – 11th September 2022)

- 👉 No new case was reported
- 👉 A total of 30 confirmed cases have been recorded
 - Median age 5 (6 months -36 years)
 - Vaccinated: (7/30) 23%
 - Unknown: (16/30) 53%
 - CFR: (1/30) 3%

Margibi County: Firestone, Gibi, Kakata, and Mamba Kaba Districts (Situation update from 21st February–11th September 2022)

- 👉 Six (6) new cases were reported from Gibi (4), Kakata (1), and Mamba Kaba (1) Districts
- 👉 A total of 539 cases have been confirmed
 - Median age 6 (4 months - 67 years)
 - Vaccinated: (274/539) 51%
 - Unknown: (102/539) 19%

Grand Cape Mount County: Gola Konneh, District (Situation update from 10th March –11th September 2022)

- 👉 One (1) new case was reported from Commonwealth-C District
- 👉 A total of 88 cases have been confirmed including 3 deaths
 - Median age 12 (2 months – 45 years)
 - Vaccinated: (74/88) 84%
 - Unknown (2/88) 2%
 - CFR: (3/88) 3%

Grand Gedeh County: Tchien, Konobo, Bhai, and Gbao Districts (Situation update from 10th March–11th September 2022)

- 👉 No new case was reported
- 👉 A total of 95 cases have been confirmed
 - Median age 6 (6 months-35 years)
 - Vaccinated (40/95) 42%
 - Unknown: (28/95) 29%

Sinoe: Gblonee, Dugbeh River, Kpanyan, and Jedepo Districts (Situation update from 19th May -11th September 2022)

- 👉 No new case was reported
- 👉 A total of 115 cases have been confirmed
 - Median age 6 (2 months-38 years)
 - Vaccinated: (70/115) 61%
 - Unknown (25/115) 22%

River Gee: Chedepo and Potupo Districts (Situation update from 29th June- 11th September 2022)

- 👉 No new case was reported
- 👉 A total of 12 cases have been confirmed
 - Median age 10 (9months-48 years)
 - Vaccinated: (10/12) 83%
 - Unknown (2/12) 17%

Public Health Response

I. Coordination

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



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II. Epidemiological Surveillance

- 📁 Active case search and line listing of cases ongoing

III. Case Management

- 📁 Isolation and treatment of cases ongoing

IV. Immunization

- 📁 Result of the nationwide Measles campaign completed:
 - Total children targeted- 574,255
 - Total children vaccinated- 390,897
 - Coverage-68%
 - Age group 9-59 months
 - Supported by WHO and UNICEF

V. Laboratory

- Three hundred seventy-eight (378) cases have been confirmed by the laboratory from 62 health districts in 15 counties

VI. Risk Communication and Community Engagement

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

VII. Challenges

- Lacked essential medications and medical supplies for case management
- No support for surveillance team for fieldwork
- Delay lab results from NPHRL

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)

- 📁 One case reported from Bong County
- 📁 Specimen collected and pending arrival at the lab
- 📁 Cumulatively, ninety-three (93) cases have been reported
 - 61 tested negative
 - 32 pending testing

Neonatal Tetanus

- 📁 One case reported from Montserrado County
- 📁 Cumulatively, forty (40) clinically diagnosed cases reported

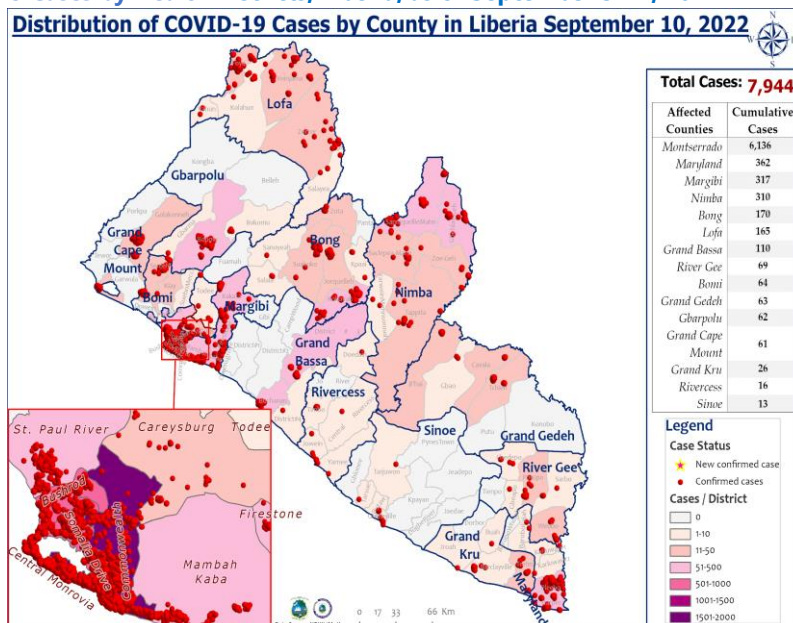
Influenza-Like Illnesses

Coronavirus Disease (COVID-19)

Outbreak

- ☞ Seventeen (17) new confirmed cases were reported from Montserrado (10), Nimba (5), and Margibi (2) Counties
- ☞ One hundred thirty-nine (139) contacts under follow-up: Nimba (84), Montserrado (48), and Margibi (7)
- ☞ A total of one thousand forty-one (1,041) confirmed cases have been reported since epi week 1
- ☞ Cumulatively, seven thousand nine hundred forty-four (7,944) confirmed cases, including 294 deaths
 - 601 healthcare workers (including 8 deaths) reported with 17,827 contacts generated

Figure 2: Geographical Distribution of Laboratory Confirmed COVID-19 Cases by Health Districts, Liberia, as of September 5-11, 2022



Public Health Actions

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

Severe Acute Respiratory Illness (SARI)

- ☞ Zero case reported

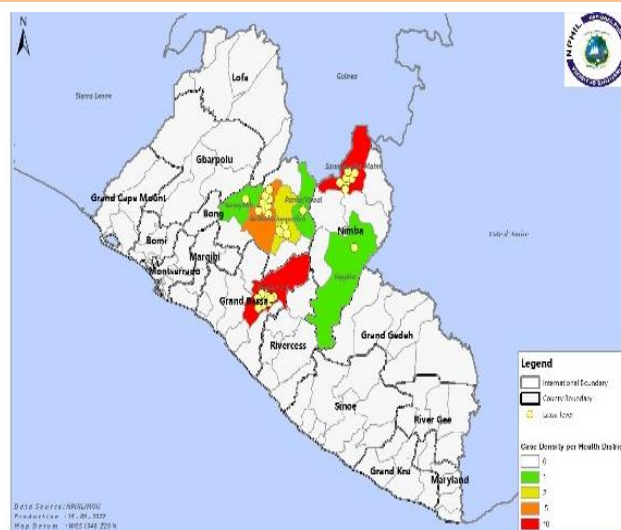
Influenza

- ☞ Seven (7) suspected cases were reported from Montserrado County
- ☞ Specimens collected and pending testing
- ☞ Cumulatively, twenty-eight (28) cases have been reported

Viral Hemorrhagic Diseases

Lassa fever

- 👉 Two (2 dead) suspected cases were reported from Nimba and Grand Bassa Counties
- 👉 Specimens collected: 1 tested positive and 1 negative
- 👉 Cumulatively, one hundred twelve (112) suspected cases have been reported including 18 deaths
 - Thirty-six (36) confirmed cases were recorded including 12 deaths
 - Seventy-two (72) negatives
 - Case Fatality Rate: (12/36) 33%
 - Proportion of suspected cases with sample collected (111/112) 99%
 - Proportion of suspected cases with sample tested (108/111) 97%
 - 2 samples rejected
 - 1 not collected



Geographical distribution of confirmed Lassa fever cases by Health District, Liberia, Epi-week 1-36, 2022

Outbreak

Lassa fever disease: (Sitrep update as of September 11, 2022)

- 👉 One new confirmed case was reported from Grand Bassa County
- 👉 Seventy-six (76) contacts generated and under 21 days' follow-up
- 👉 Cumulatively, thirty-six (36) laboratory-confirmed cases including 12 deaths reported (CFR=33%)

Grand Bassa: District #3 A&B

- 👉 One new confirmed case reported from District #3 A&B
- 👉 The confirmed case is a male, 25 years from Duah Camp located in the LAC plantation
- 👉 Onset of symptom is September 5, 2022, and presented with diarrhea, vomiting, malaise, and myalgia
- 👉 The case sought treatment at LAC hospital on September 7, 2022
- 👉 Specimen was collected on September 7, 2022, and sent the same day to the National Public Health Reference for testing
- 👉 The specimen got tested on September 9, 2022
- 👉 Cumulative cases: twelve (12)
 - CFR (3/12) 25%
- 👉 Cumulative contacts generated: 54
 - Six (6) contacts under 21 days follow up

Public Health Measures

- 👉 NPHIL and MOH providing technical support to county
 - IPC assessment conducted to rein enforce IPC practices. Health workers encouraged to observe IPC practices
 - Limited community engagement

Nimba: Sanniquellie-Mah District

- 👉 No new confirmed case
- 👉 Cumulative cases: twelve (12)
 - CFR (3/12) 25%
- 👉 Cumulative contacts generated: 70
 - All contacts under 21 days follow up

Public Health Measures

- 👉 NPHIL and MOH providing technical support to county
 - IPC assessment conducted to rein enforce IPC practices. Health workers encouraged to observe IPC practices



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- Limited community engagement

Bong County: Jorquelleh District

- 👉 No new confirmed case reported
- 👉 Countdown to the end of the outbreak (15 days gone)
- 👉 Cumulatively, fourteen (14) confirmed cases including (3) deaths (CFR 21.4%)
 - Suakoko District: 9 cases and 3 deaths
 - Jorquelleh District: 3 cases
 - Sanoyea District: 1 case
 - Kpaai District: 1 case
- 👉 Total of one hundred fifty-seven (157) 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
 - 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 at the national level

Yellow fever

- 👉 One (1) suspected case was reported from Nimba County
- 👉 Specimen was collected and pending testing
- 👉 Cumulatively, sixty-six (66) suspected cases have been reported
 - Proportion of suspected cases with sample collected (59/66) 89%
 - Proportion of suspected cases with sample tested (55/59) 93%
 - Samples pending testing (4/59) 7%

Diarrheal Diseases

Acute Bloody Diarrhea (Suspected Shigellosis)

- 👉 Two (2) suspected cases were reported from Grand Kru County
- 👉 One (1) specimen was collected and pending testing
- 👉 Cumulatively, three hundred forty (340) suspected cases reported
- 👉 One hundred sixty-five (165) specimens collected; 139 received by the lab
 - 111 tested negatives
 - 1 positive (Grand Gedeh)
 - 11 rejected
 - 16 specimens not tested

Severe Acute Watery Diarrhea (Suspected Cholera)

- 👉 Four (4) suspected cases were reported from Grand Kru, Lofa, Maryland, and Sinoe Counties
- 👉 Three (3) specimens were collected and pending testing
- 👉 Cumulatively, two hundred fifty-eight (258) suspected cases reported
 - 143 specimens collected; 97 received by the lab
 - 68 tested negatives
 - 5 rejected
 - 24 specimens not tested



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Other Reportable Diseases

Animal bite (Human Exposure to Rabies)

- ✍ Thirty-four (34) animal bite cases were reported: Nimba (6), Bong (6), Grand Kru (5), Grand Gedeh (3), Margibi (2), Grand Bassa (2), Maryland (2), Montserrado (2), Bomi (2), Sinoe (2), Gbarpolu (1), and Rivercess (1) Counties
- ✍ Persons received Post Exposure Prophylaxis (PEP) (10/34) 29%
- ✍ Cumulatively, one thousand five hundred one (1,501) animal bite cases reported
 - Dog bites account for 100%
 - 1-4 doses (PEP) administered to (271/1,501) 18% of 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

- ✍ One (1) new suspected case was reported from Bomi County
 - One (1) specimen was collected and pending testing
- ✍ Cumulatively, forty-two (42) suspected cases reported

Events of Public Health Importance

Maternal Mortality

- ✍ Three (3) deaths were reported from Montserrado, Bong, and Lofa Counties
 - Cause of death: Postpartum hemorrhage (1) and pending review (2)
 - The death occurred at the health facility
- ✍ Cumulatively, two hundred fifteen (215) deaths have been reported
 - Proportion of deaths reviewed (49/215) 23%
 - Proportion of community deaths (19/215) 9%
 - Proportion of community deaths reviewed: (8/19) 42%

Neonatal Mortality

- ✍ Nine (9) deaths were reported: Bong (4), Montserrado (2), Grand Gedeh (1), Maryland (1), and Lofa (1) Counties
 - Causes of death: Birth asphyxia (3), Sepsis (3), Omphalocele rupture (1), and Pending review (2)
- ✍ All deaths occurred at the health facility
- ✍ Cumulatively, five hundred seventy-two (572) deaths have been reported
- The proportion of deaths reviewed (60/572) 10%
 - Proportion of community deaths (24/572) 4%
 - Proportion of deaths reviewed from the community (8/24) 33%

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

- ✍ Eleven (11) cases were reported: Grand Kru (6), Lofa (3), and Maryland (2) Counties
 - Related vaccines:
 - COVID-19 (10/11) 91%
 - BCG (1/11) 9%
- ✍ Cumulatively, three hundred ninety-nine (399) events were reported with (267/399) 67% related to COVID-19
- ✍ Proportion of COVID-19 vaccine
 - J&J vaccine – (208/267) 78%
 - AstraZeneca – (6/267) 2%
 - Pfizer – (53/267) 20%
- ✍ Proportion of other vaccine-related events – (132/399) 33%



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- Measles Vaccine – (78/132) 59%
- Penta – (20/132) 15%
- Others- (34/132) 26%

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

Table2: Border activity at the PoE for Incoming and Outgoing Travelers, Liberia, Epi week 36, 2022

☞ A total of 4,678 travelers were recorded for the week with incoming travelers accounting for 48% (2,265/4,678)

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	124	72	52	124	0	0	0	0	0	24
	Robert Int'l Airport	3262	1454	1808	3231	23	0	8	0	0	3251
Seaport	Freeport of Monrovia	114	57	57	114	0	0	0	0	0	114
	Buchanan Port	38	19	19	38	0	0	0	0	0	38
Land Crossing	Bo Water Side	579	336	243	528	10	21	20	0	0	110
	Ganta	317	206	111	273	16	28	0	0	0	68
	Yekepa	136	75	61	100	29	7	0	0	0	41
	Loguatu	108	46	62	96	12	0	0	0	0	52
Total		4,678	2,265	2,413	4,504	90	56	28	0	0	3,698

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
- ☞ 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	7	5	8	5	6	5	6	4	6	7	6	6	6	10	91			
No. of Health District Reported			4	7	5	8	5	6	5	6	4	6	7	6	6	6	10	91			
Vaccine Preventable Diseases	Acute Flaccid Paralysis (Suspected Polio)	A	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	93	0	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Measles	A	0	3	6	4	1	1	0	5	6	8	85	2	0	0	0	6	127	7,195	437
		D	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	77	0	
	Neonatal Tetanus	A	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	40	0	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
Yellow fever	A	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	65	0	
	D	0	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	0
		D	0	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	0
		D	0	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	0	94	24
		D	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	2	18	12	
Influenza-Like Illnesses	COVID-19	A	0	0	0	0	0	0	0	0	2	0	10	5	0	0	0	17	7,944	7,944	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	294	
	Influenza	A	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	7	28	0	
		D	0	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	0	2	0	0	0	0	0	0	0	0	2	340	1	
		D	0	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	1	1	0	1	0	0	0	0	1	4	258	0	
		D	0	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	1	0	0	1	0	0	0	0	3	215		
	Neonatal Mortality	D	0	4	0	0	0	1	0	1	0	1	2	0	0	0	0	9	572		
	Adverse Events Following Immunization (AEFI)	A	0	0	0	0	0	0	6	3	0	2	0	0	0	0	0	11	399	0	
		D	0	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	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	42	2	
		D	0	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	2	6	1	2	0	3	5	0	2	2	2	6	1	0	2	34	1,501	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	24	1	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unexplained Cluster of deaths	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	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
Neglected Tropical Diseases	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		3	15	7	7	1	5	14	11	10	14	109	15	1	0	9	221	18907	8715	

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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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.