



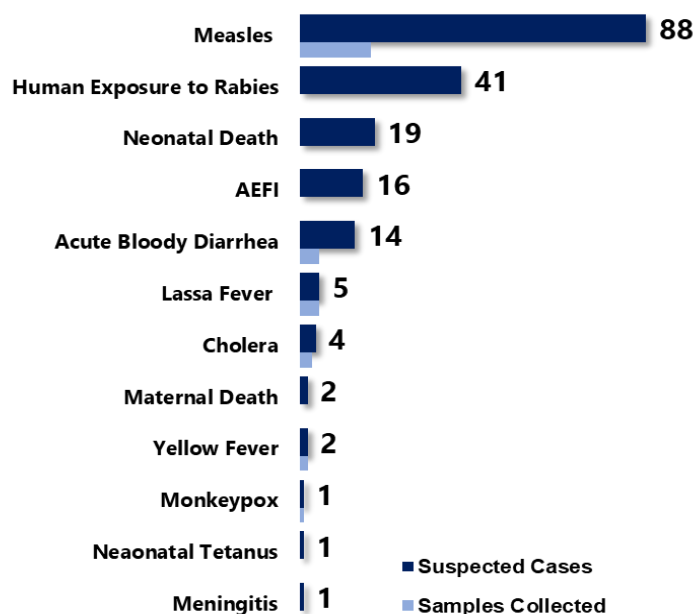
Liberia IDSR Epidemiology Bulletin

Epi-week 39 (Sept. 26- October 2, 2022)

Country Population: 5,104,413 | Volume 17 Issue 39 | Sept 26- Oct. 2, 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 **194 events** of public health importance including **22 deaths** were reported
- ♦ **Completeness and timeliness** of health facility reports were both **100%**
- ♦ **Ongoing Lassa fever** outbreak in **3** Counties
- ♦ **Ongoing Measles** outbreak in **13** Counties

*Adverse Events Following Immunization/Adverse Drug Reaction

Reporting Coverage

Table 1: Health Facility Weekly IDSR Reporting Coverage, Liberia, Epi-week 39, 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	88	88	88	100	100
Rivercess	21	21	21	100	100
River Gee	20	20	20	100	100
Sinoe	37	37	37	100	100
Liberia	869	868	868	100	100

868(100%)
Health facilities reported IDSR data

93 (100%)
Health districts reported IDSR data

868(100%)
Health facilities reported timely IDSR data

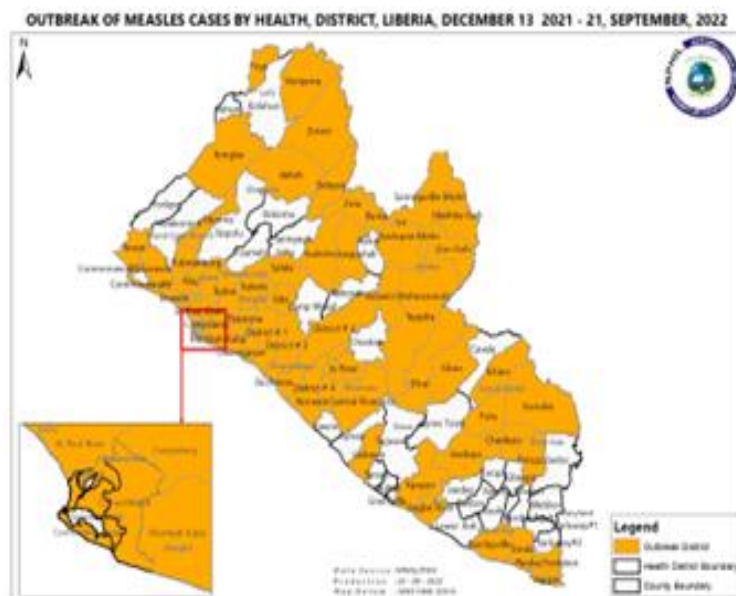
- ♦ The national target for weekly IDSR reporting is 80%. Health facility timeliness is monitored at the health district level
- ♦ All counties submitted weekly IDSR reports to the national level on time.

Legend: ≥80 <80

Vaccine-Preventable Diseases

Measles

- ✍ Eighty-eight (88) suspected cases were reported: Montserrado (32), Sinoe (11), Margibi (8), Grand Bassa (7), Nimba (6), Maryland (4), Rivercess (5), Grand Gedeh (5), Grand Cape Mount (4) Grand Kru (3), River Gee (1), Lofa (1), and Bomi (1) Counties.
- ✍ Eighteen (18) specimens collected and pending arrival to the Lab
- ✍ Vaccination status among suspected cases
 - Vaccinated: (34) 39%
 - Not vaccinated: (54) 61%
- ✍ Age distribution among suspected cases
 - < 5 years: (46) 52%
 - ≥5 years: (42) 48%
- ✍ Cumulatively, seven thousand six hundred forty-four (7,644) suspected cases have been reported including 80 deaths
 - (7,107) 93% confirmed:
 - ✓ Laboratory confirmed: (457/7,107) 6%
 - ✓ Clinically compatible: (556/7,107) 8%
 - ✓ Epidemiologically linked: (6,094/7,107) 86%
 - Non-measles discarded: 537
 - ✓ 40 tested positive for Rubella
- ✍ Proportion of samples collected: (1,195/7,644) 16%
- ✍ Proportion of samples tested: (994/1,195) 83%
- ✍ CFR: (80/7,107) 1.1%



classification, health district, Liberia, Epi-week 1 - 39, 2022

Outbreak

Measles: (Situation update from 13th December- 2nd October 2022)

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

- ✍ Thirty-two (32) cases were reported from Bushrod (16), Commonwealth (9), Todee (4), Somalia Drive (2), and Central Monrovia (1) Districts
- ✍ A total of 3,964 cases have been confirmed including sixty-five (65) deaths
 - Median age 6 (1month-59years)
 - Vaccinated - (1,909/3,964) 48%
 - Not Vaccinated- (2,015/3,964) 51%
- ✍ CFR (65/3,964) 1.6%

Bong County: Suakoko, Zota, Jorquelleh, Salala, and Panta Districts (Situation update from 20th December 2021-2nd October 2022)

- ✍ No new case was reported
- ✍ A total of 404 cases have been confirmed including two (2) deaths
 - Median age 8 (1 month - 38 years)
 - Vaccinated - (116/404) 29%
 - Not vaccinated - (105/404) 26%
 - CFR (2/404) 0.5%

Lofa County: Voinjama, Foyah, Zorzor, and Salayea Districts (Situation update from 21st January- 2nd October 2022)



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📁 One (1) new case was reported from Zorzor District

📁 A total of 166 cases have been confirmed

- Median age: 10 (2 months-46years)
- Vaccinated: (158/166) 95%
- Not vaccinated: (3/166) 1.8%

Nimba County: Gbehlay-Geh, Sacleapea-Mah, Zoe-Geh, Tappita, Yarwin Mehnsonnoh, and Sanniquellie-Mah Districts (Situation update from 20th January-2nd October 2022)

📁 Six (6) new cases were reported from Sanniquellie-Mah (3), Zoe-Geh (2), and Gbehlay-Geh (1) Districts

📁 A total of 659 cases have been confirmed

- Median age 7 (2 months- 48years)
- Vaccinated: (147/659) 22%
- Not Vaccinated: (407/659) 62%

Maryland County: Harper and Pleebo Districts (Situation update from 1st February- 2nd October 2022)

📁 Four (4) new cases were reported from Pleebo District

📁 A total of 211 cases have been confirmed

- Median age 7 (7 months-48 years)
- Vaccinated: (26/211) 12%
- Not Vaccinated: (52/211) 25%

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

📁 Seven (7) new cases were reported from District #4 (4), District #3A&B (2), and District #1 (1) Districts

📁 A total of 580 cases including three (3) deaths have been confirmed

- Median age 7 (1 month-45 years)
- Vaccinated: (217/580) 37%
- Not Vaccinated: (239/580) 41%
- CFR (3/580) 0.5%

Bomi County: Klay District (Situation update from 14th March-2nd October 2022)

📁 One (1) new case was reported from Dewoin District

📁 A total of 70 cases have been confirmed including 5 deaths

- Median age 7 (1 month-48 year)
- Vaccinated: (31/70) 44%
- Not Vaccinated: (19/70) 27%
- CFR (5/70) 7%

Grand Kru: Trehn and Barclayville Districts (Situation update from 14th March – 2nd October 2022)

📁 Three (3) new cases were reported from Barclayville (2), and Dorbor (1) Districts

📁 A total of 105 cases have been confirmed

- Median age 9 (53 months-18 years)
- Vaccinated: (74/105) 70%
- Not Vaccinated: (32/105) 30%

Rivercess: Central C, Timbo, Doedine and Yarnee Districts (Situation update from 16th March – 2nd October 2022)

📁 Two (1) new cases were reported from Doedine District

📁 A total of 35 confirmed cases have been confirmed including 1 death

- Median age 5 (6 months -36 years)
- Vaccinated: (13/35) 37%
- Not Vaccinated: (5/35) 14%



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- CFR: (1/35) 3%

Margibi County: Firestone, Gibi, Kakata, and Mamba Kaba Districts (Situation update from 21st February–2nd October 2022)

- 📁 Eight (8) new cases were reported from Gibi District
- 📁 A total of 565 cases have been confirmed
 - Median age 6 (4 months - 67 years)
 - Vaccinated: (286/565) 51%
 - Not Vaccinated: (166/565) 29%

Grand Cape Mount County: Gola Konneh, District (Situation update from 10th March –2nd October 2022)

- 📁 Two (2) new cases were reported from Gola Konneh District
- 📁 A total of 91 cases have been confirmed including 3 deaths
 - Median age 12 (2 months – 45 years)
 - Vaccinated: (76/91) 84%
 - Not Vaccinated: (12/91) 13%
 - CFR: (3/91) 3%

Grand Gedeh County: Tchien, Konobo, Bhai, and Gbao Districts (Situation update from 10th March–2nd October 2022)

- 📁 Five (5) new cases were reported from Tchien (2), Gbao (2), and Putu (1) Districts
- 📁 A total of 105 cases have been confirmed
 - Median age 6 (6 months-35 years)
 - Vaccinated (32/105) 30%
 - Not Vaccinated: (38/105) 36%

Sinoe: Gblonee, Dugbeh River, Kpanyan, and Jedepo Districts (Situation update from 19th May – 2nd October 2022)

- 📁 Ten (10) new cases were reported from Jaedae (7), Dugbeh River (2), and Kpanyan (1) Districts
- 📁 A total of 142 cases have been confirmed
 - Median age 6 (2 months-38 years)
 - Vaccinated: (79/142) 56%
 - Not Vaccinated (20/142) 14%

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

- 📁 Gibi District, Margibi County conducted a mini measles campaign and vaccinated 76 children ages 9-59 months on September 29, 2022

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 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)

- Zero case reported
- Cumulatively, ninety-four (94) cases have been reported
 - 61 tested negatives
 - 33 pending testing

Neonatal Tetanus

- One (1) case reported from Sinoe County
- Cumulatively, forty-two (42) clinically diagnosed cases reported

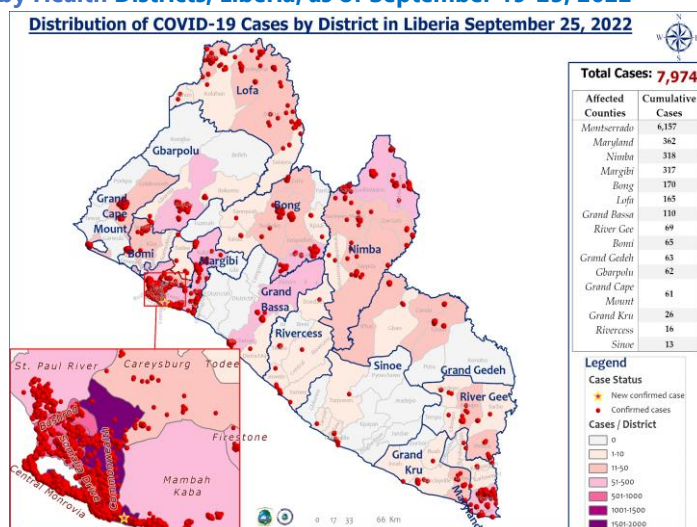
Influenza-Like Illnesses

Coronavirus Disease (COVID-19)

Outbreak

- No new confirmed case was reported
- A total of one thousand sixty-nine (1,069) confirmed cases have been reported since epi week 1
- Cumulatively, seven thousand nine hundred seventy-four (7,974) 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 19-25, 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



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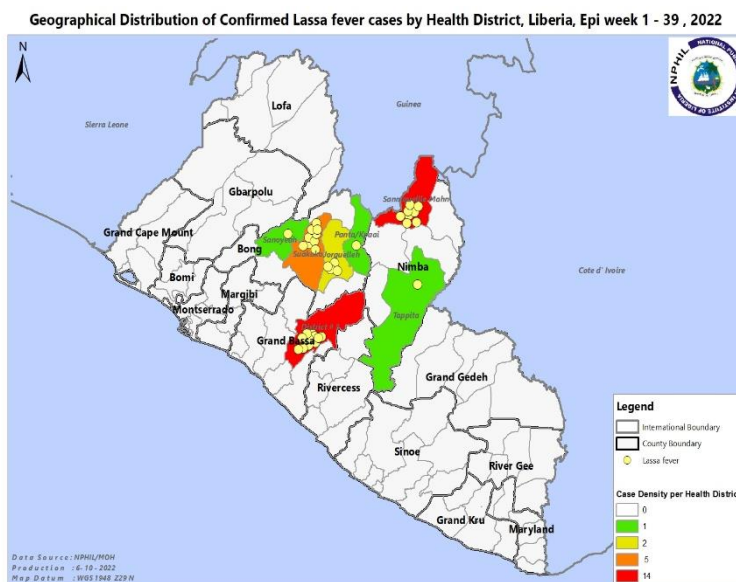
Influenza

- 👉 Zero case was reported
- 👉 Cumulatively, thirty-four (34) cases have been reported

Viral Hemorrhagic Diseases

Lassa fever

- 👉 Five (5) suspected cases were reported from Grand Bassa (2), Nimba (2), and Lofa (1) Counties
- 👉 Five specimens were collected: 1 tested positive, 2 negative and 2 pending
- 👉 Cumulatively, one hundred twenty-seven (127) suspected cases have been reported including 20 deaths
 - Forty (40) confirmed cases were recorded including 15 deaths
 - Eighty-one (81) negatives
 - Case Fatality Rate: (15/40) 38%
 - Proportion of suspected cases with sample collected (126/127) 99%
 - Proportion of suspected cases with sample tested (121/126) 96%
 - 2 samples rejected
 - 1 not collected



Geographical distribution of confirmed Lassa fever cases by Health District, Liberia, Epi-week 1-39, 2022

Outbreak

Lassa fever disease: (Sitrep update as of October 2, 2022)

- 👉 One (1) new confirmed case was reported from Nimba County
- 👉 One hundred sixteen (116) contacts generated and under 21 days' follow-up
- 👉 Cumulatively, forty (40) laboratory-confirmed cases including 15 deaths reported (CFR=38%)

Nimba: Sanniquellie-Mah District

- 👉 One (1) new confirmed case was reported from Sanniquellie-Mah District
 - The confirmed case was a 17 years' female from Christian community, Sanniquellie-Mah District who was pregnant and at full term
 - She was admitted at the E. & J Medical Center on the obstetric ward on September 10, 2022. On the same September 10, 2022 a successful caesarean session was conducted. She and her son were transferred to the postpartum ward after the caesarean session for monitoring
 - Prior to her admission at the E.& J Medical Center she developed Patten edema, proteinuria facial edema associated with moon face, convulsion and vomiting
 - On September 23, 2022 the patient developed intermitted fever ($\geq 37.4^{\circ}\text{C}$) was monitored and been treated
 - With no improvement in her condition, she was suspected of Lassa fever, blood specimen was collected and sent to the NPHRL on September 27, 2022
 - On September 28, 2022 the patient expire at the E.& J Medical center and safe and dignified burial was conducted
 - Specimen got tested October 4, 2022 and results released to county on October 5, 2022
 - Nineteen contacts including 17 HCWs were generated
 - Her son is alive and been managed by the E.&J Medical Center. Specimen will be collected from her son on Friday, October 7, 2022
- 👉 Cumulative confirmed cases: eleven (11)



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- CFR (7/11) 64%
- 📁 Districts that have reported confirmed cases since this year
 - Sanniquellie-Mah: 10 cases (6 deaths)
 - Tappita: 1 case (death)
- 📁 Cumulatively 193 contacts including 117 HCWs have been generated since this year
 - 104 contacts completed monitoring while 89 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

Grand Bassa: District #3A&B

- 📁 No new confirmed case reported
- 📁 Cumulatively confirmed cases: fourteen (14)
 - CFR (5/14) 36%
- 📁 District that have reported confirmed cases since this year
 - District 3A&B
- 📁 Cumulatively, 59 contacts generated since this year
 - Forty-eight (48) contacts completed monitoring while eleven (11) 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

Bong County: Suakoko District

- 📁 No new confirmed case reported
- 📁 Cumulatively confirmed cases: fifteen (15)
 - CFR: (3/15) 20%
- 📁 Districts that have reported confirmed cases since this year
 - Suakoko District: 10 cases (3 deaths)
 - Jorquellah District: 3 cases
 - Sanoyea District: 1 case
 - Kpaai District: 1 case
- 📁 Cumulatively, 184 contacts including 113 HCWs have been generated since this year
 - 174 contacts completed monitoring and 10 under 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

- 📁 Two (2) cases were reported from Grand Kru and Grand Cape Mount Counties
- 📁 Two specimens were collected and not transported



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- 👉 Cumulatively, sixty-nine (69) suspected cases have been reported
 - Proportion of suspected cases with sample collected (61/67) 91%
 - Proportion of suspected cases with sample tested (55/61) 93%
 - Samples pending testing (4/61) 7%
 - Samples not transported (3/61) 5%

Diarrheal Diseases

Acute Bloody Diarrhea (Suspected Shigellosis)

- 👉 Fourteen (14) suspected cases were reported from Grand Gedeh (5), Nimba (2), Rivercess (1), Grand Kru (1), Lofa (1), Grand Bassa (1), River Gee (1), Maryland (1), and Sinoe (1) Counties
- 👉 Five specimens were collected and not transported
- 👉 Cumulatively, three hundred sixty-seven (367) suspected cases reported
- 👉 One hundred seventy-nine (179) specimens collected; 142 received by the lab
 - 114 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 River Gee (1), Bomi (1), Nimba (1), and Maryland (1) Counties
- 👉 Three (3) specimens were collected but not transported
- 👉 Cumulatively, two hundred seventy-five (275) suspected cases reported
 - 150 specimens collected; 100 received by the lab
 - 71 tested negatives
 - 5 rejected
 - 24 specimens not tested

Other Reportable Diseases

Animal bite (Human Exposure to Rabies)

- 👉 Forty-one (41) animal bite cases were reported: Montserrado (14), Nimba (4), Margibi (3), River Gee (3), Grand Kru (3), Maryland (3), Grand Gedeh (2), Bomi (2), Grand Cape Mount (2), Rivercess (1), Gbarpolu (1), Lofa (1), Bong (1) and Sinoe (1) Counties
- 👉 Persons received Post Exposure Prophylaxis (PEP) (9/41) 22%
- 👉 Cumulatively, one thousand six hundred twenty-three (1,623) animal bite cases reported
 - Dog bites account for 100%
 - 1-4 doses (PEP) administered to (294/1,623) 18% of patients

Public Health Actions

- 👉 Procured 1,500 doses of PEP for distribution in all counties
- 👉 Ongoing monitoring and follow-up of cases
- 👉 Quarantined (3/41) 7% of suspected rabid dogs

Meningitis

- 👉 One (1) case reported from Nimba County
- 👉 No specimen was collected
- 👉 Cumulatively, twenty-six (26) suspected cases reported
- 👉 One (1) confirmed



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Monkeypox

- 👉 One (1) new suspected case was reported from Gbarpolu County
- 👉 One Specimen was collected
- 👉 Cumulatively, forty-eight (48) suspected cases reported

Events of Public Health Importance

Maternal Mortality

- 👉 Two (2) deaths were reported from Margibi and Rivercess Counties
 - Cause of death: Postpartum hemorrhage (2)
- 👉 Reporting site:
 - All deaths occurred at the Health facility
- 👉 Cumulatively, two hundred twenty-eight (228) deaths have been reported
 - Proportion of deaths reviewed (49/228) 21%
 - Proportion of community deaths (22/228) 10%
 - Proportion of community deaths reviewed: (8/22) 36%

Neonatal Mortality

- 👉 Nineteen (19) deaths were reported: Montserrado (13), Gbarpolu (2), Sinoe (2), Bong (1), and Maryland (1) Counties
 - Causes of death: Preterm (7), Birth asphyxia (6), Sepsis (4), Tetanus (1) and Pending review (1)
- 👉 Reporting site:
 - Eighteen deaths occurred at the health facility and One in the community
- 👉 Cumulatively, six hundred sixteen (616) deaths have been reported
 - The proportion of deaths reviewed (79/616) 13%
 - Proportion of community deaths (26/616) 4%
 - Proportion of deaths reviewed from the community (8/26) 32%

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

- 👉 Sixteen (16) cases were reported: Grand Kru (9), Grand Gedeh (2), Lofa (2) Sinoe (2) and Grand Cape Mount (1) Counties
 - Related vaccines:
 - COVID-19 (11/16) 67%
 - Penta-3 (5/16) 31%
- 👉 Cumulatively, four hundred thirty-four (434) events were reported with (283/418) 68% related to COVID-19
- 👉 Proportion of COVID-19 vaccine
 - J&J vaccine – (222/294) 76%
 - AstraZeneca – (6/294) 2%
 - Pfizer – (66/294) 22%
- 👉 Proportion of other vaccine-related events – (135/418) 32%
 - Measles Vaccine – (78/434) 18%

Public Health Actions

- 👉 All events were investigated, categorized as *non-serious AEFI, and symptomatically treated*
- 👉 Active case search and community engagement ongoing



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Border Surveillance Update

Table2: Border activity at the PoE for Incoming and Outgoing Travelers, Liberia, Epi week 39, 2022

👉 A total of 4,895 travelers were recorded for the week with incoming travelers accounting for 52% (2,549/4,895)

Type of Ports	Point of Entry	Weekly total	Arrival	Departure	Total travelers with YB	Yellow Book Damage	Card Replaced	Travelers Vaccinated against YF &	Alerts detected / Verified	COVID-19 Reactive	Evidence of COVID-19 vaccination
Airport	James S. Paynes	85	54	31	85	0	0	0	0	0	30
	Robert Int'l Airport	3121	1567	1554	3091	20	0	10	0	0	3097
Seaport	Freeport of Monrovia	206	103	103	106	0	0	0	0	0	106
	Buchanan Port	136	68	68	136	0	0	0	0	0	136
Land Crossing	Bo Water Side	552	309	243	527	0	0	23	0	0	530
	Ganta	502	290	212	483	17	2	0	0	0	71
	Yekepa	153	84	69	143	10	0	0	0	0	54
	Loguatu	140	74	66	131	5	4	0	0	0	32
Total		4,895	2,549	2,346	4,702	52	6	33	0	0	4,056

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	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	0	0	0	0	0	94	0	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Measles	A	1	0	0	7	4	5	3	1	8	4	32	6	5	1	11	88	7,644	457	
		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	40	0	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	
Yellow fever	A	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	69	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	2	0	0	0	1	0	0	0	2	0	0	0	0	5	107	26
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	14	
Influenza-Like Illnesses	COVID-19	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	34	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	1	0	5	1	1	0	1	0	2	1	1	1	14	367	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	1	0	0	0	0	0	0	0	0	1	0	1	0	1	0	4	274	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	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2	228		
	Neonatal Mortality	D	0	1	2	0	0	0	0	0	0	1	13	0	0	0	2	19	616		
	Adverse Events Following Immunization (AEFI)	A	0	0	0	0	1	2	9	2	0	0	0	0	0	0	0	2	16	434	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	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	48	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	1	1	0	2	2	3	1	3	3	14	4	1	3	1	41	1,623	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	1	0	0	0	1	26	1	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Neglected Tropical Diseases	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
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			4	2	4	10	8	14	17	6	12	10	59	16	8	6	18	194	19648	8739	

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.