



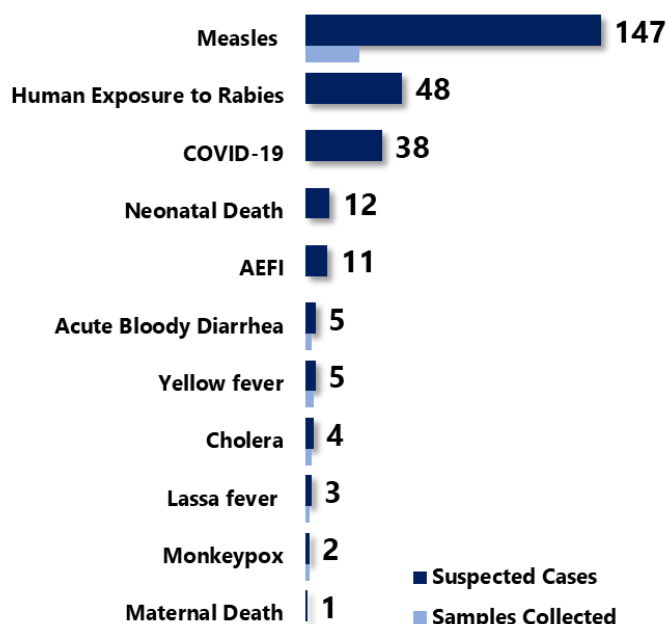
Liberia IDSR Epidemiology Bulletin

Epi-week 35 (August 29-September 4, 2022)

Country Population: 5,104,413 | Volume 17 Issue 35 | August 29-Sept-4, 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 276 events of public health importance including 16 deaths were reported
- ♦ Completeness and timeliness of health facility reports were both 99% and 100%
- ♦ Ongoing Lassa fever outbreak in 2 Counties
- ♦ Ongoing Measles outbreak in 15 Counties
- ♦ Thirty-eight new confirmed COVID-19 cases in 4 Counties

*Adverse Events Following Immunization/Adverse Drug Reaction

Reporting Coverage

Table 1: Health Facility Weekly IDSR Reporting Coverage, Liberia, Epi-week 35, 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	100
Lofa	66	66	66	100	100
Margibi	59	56	56	95	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	860	853	853	99	100

853(99%)
Health
facilities
reported
IDSR data

93 (100%)
Health
districts
reported
IDSR data

853(99%)
Health
facilities
reported
timely IDSR
data

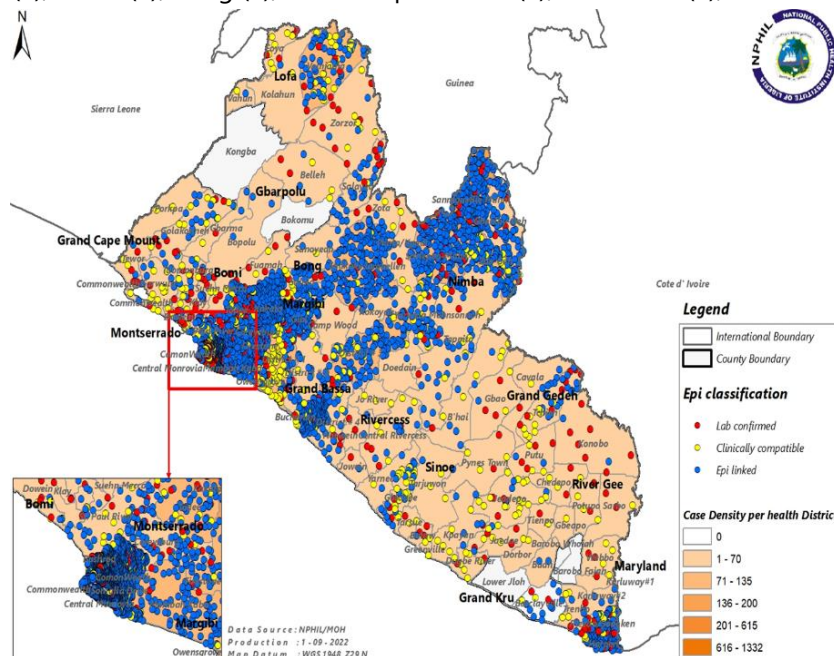
- ♦ The national target for weekly IDSR reporting is 80%. Health facility timeliness is monitored at health district level
- ♦ All counties submitted weekly IDSR reports to the national level on time except Bong County

Legend: ≥80 <80

Vaccine-Preventable Diseases

Measles

- ✎ One hundred forty-seven (147) suspected cases were reported: Montserrado (76), Grand Bassa (17), Maryland (11), Margibi (8), Grand Gedeh (6), Nimba (5), Lofa (5), Sinoe (4), Bong (4), Grand Cape Mount (4), Grand Kru (3), Rivercess (3), and Gbarpolu (1) Counties.
- ✎ Twenty-seven (27) specimens collected and pending testing
- ✎ Vaccination status among suspected cases
 - Vaccinated: (86) 59%
 - Not vaccinated: (36) 24%
 - Unknown: (25) 17%
- ✎ Age distribution among suspected cases
 - < 5 years: (63) 43%
 - ≥5 years: (84) 57%
- ✎ Cumulatively, seven thousand one hundred ninety-five (7,195) suspected cases have been reported including 79 deaths
 - (6,678) 93% confirmed:
 - ✓ Laboratory confirmed: (435/6,678) 7%
 - ✓ Clinically compatible: (554/6,678) 8%
 - ✓ Epidemiologically linked: (5,689/6,678) 85%
 - Non-measles discarded: 517
 - ✓ 37 tested positive for Rubella
- ✎ Proportion of samples collected: (1,120/7,195) 16%
- ✎ Proportion of samples tested: (952/1,120) 85%
- ✎ CFR: (79/6,678) 1.2%



Geographical distribution of Measles Cases by epidemiological classification, health district, Liberia, Epi-week 1 - 35, 2022

Outbreak

Measles: (Situation update from 13th December- 4th September 2022)

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

- ✎ Seven-five (75) new cases were reported from Somalia Drive (52), St. Paul (9), Bushrod (8), Todee (4), and Central Monrovia (2) Districts
- ✎ A total of 3,754 cases have been confirmed including sixty-three (64) deaths
 - Median age 6 (1month-59years)
 - Vaccinated - (1,785/3,754) 48%
 - Unknown - (40/3,754) 1%
- ✎ CFR (64/3,754) 1.7%

Bong County: Suakoko, Zota, Jorquelleh, Salala, and Panta Districts (Situation update from 20th December 2021- 4th September 2022)

- ✎ Two (2) new cases were reported from Suakoko and Jorquelleh Districts
- ✎ A total of 348 cases have been confirmed including two (2) deaths
 - Median age 8 (1 month - 38 years)
 - Vaccinated - (115/348) 33%
 - Unknown - (59/348) 17%



Liberia IDSR Epidemiology Bulletin

Epi-week 35 (August 29-September 4, 2022)

- CFR (2/348) 0.6%

Lofa County: Voinjama, Foyah, Zorzor, and Salayea Districts (Situation update from 21st January- 4th September 2022)

- 📁 Five new cases reported from Foyah (4) and Voinjama (1) Districts
- 📁 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-4th September 2022)

- 📁 Five (5) new cases were reported from Sacleapea-Mah (3), Tappita (1), and Zoe-Geh (1) Districts
- 📁 A total of 632 cases have been confirmed
 - Median age 7 (2 months- 48years)
 - Vaccinated: (129/632) 20%
 - Unknown: (105/632) 17%

Maryland County: Harper and Pleebo Districts (Situation update from 1st February- 4th September 2022)

- 📁 Eleven (11) new cases were reported from Harper (6), and Pleebo (5) Districts
- 📁 A total of 197 cases have been confirmed
 - Median age 7 (7 months-48 years)
 - Vaccinated: (27/197) 14%
 - Unknown: (117/197) 59%

Grand Bassa County: District #1, District#2, Owens grove, and Buchanan Districts (Situation update from 22nd April -4th September 2022)

- 📁 Sixteen (16) new cases were reported from District #3 A&B (9), Buchanan (2), District #4 (2) District #3C (1), District #1 (1), and Owensgrove (1) Districts
- 📁 A total of 535 cases including three (3) deaths have been confirmed
 - Median age 7 (1 month-45 years)
 - Vaccinated: (211/535) 39%
 - Unknown: (103/535) 19%
 - CFR (3/535) 0.6%

Gbarpolu: Belle and Kongba Districts (Situation update from 22nd February- 4th September 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%

Bomi County: Klay District (Situation update from 14th March-4th September 2022)

- 📁 No new case reported
- 📁 A total of 67 cases have been confirmed including 6 deaths
 - Median age 7 (1 month-48 year)
 - Vaccinated: (30/67) 45%
 - Unknown: (20/67) 30%



Liberia IDSR Epidemiology Bulletin

Epi-week 35 (August 29-September 4, 2022)

- CFR (6/67) 9%

Grand Kru: Trehn and Barclayville Districts (Situation update from 14th March – 4th September 2022)

- 📁 Three (3) new cases reported from Barclayville District
- 📁 A total of 81 confirmed cases have been recorded
 - Median age 9 (53 months-18 years)
 - Vaccinated: (52/81) 64%
 - Unknown: 0

Rivercess: Central C, Timbo, and Yarnee Districts (Situation update from 16th March – 4th September 2022)

- 📁 One (1) new case reported from Yarnee District
- 📁 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–4th September 2022)

- 📁 Nine (9) new cases were reported from Kakata (6), and Mamba Kaba (3), Districts
- 📁 A total of 527 cases have been confirmed
 - Median age 6 (4 months - 67 years)
 - Vaccinated: (270/527) 51%
 - Unknown: (100/527) 19%

Grand Cape Mount County: Gola Konneh, District (Situation update from 10th March –4th September 2022)

- 📁 Four (4) new cases were reported from Gola Konneh District
- 📁 A total of 88 cases have been confirmed including 3 deaths
 - Median age 12 (2 months – 45 years)
 - Vaccinated: (73/88) 83%
 - Unknown (2/88) 2%
 - CFR: (3/88) 3%

Grand Gedeh County: Tchien, Konobo, Bhai, and Gbao Districts (Situation update from 10th March–4th September 2022)

- 📁 Six (6) new cases were reported from Cavalla (5), and Gbao (1) Districts
- 📁 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 -4th September 2022)

- 📁 Three (3) new cases were reported from Kpanyan District
- 📁 A total of 115 cases have been confirmed
 - Median age 6 (2 months-38 years)
 - Vaccinated: (70/115) 61%
 - Unknown (25/115) 22%



Liberia IDSR Epidemiology Bulletin

Epi-week 35 (August 29-September 4, 2022)

River Gee: Chedepo, and Potupo Districts (Situation update from 29th June- 4th September 2022)

- 👉 No new case reported
- 👉 A total of 12 cases have been confirmed
 - Median age 10 (9months-48 years)
 - Vaccinated: (10/12) 83%
 - Unknown: 0

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 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)

- 👉 Zero cases reported
- 👉 Cumulatively, ninety-one (91) cases have been reported
 - 61 tested negative
 - 30 pending

Neonatal Tetanus

- ☞ Zero cases reported
- ☞ Cumulatively, thirty-nine (39) clinically diagnosed cases reported

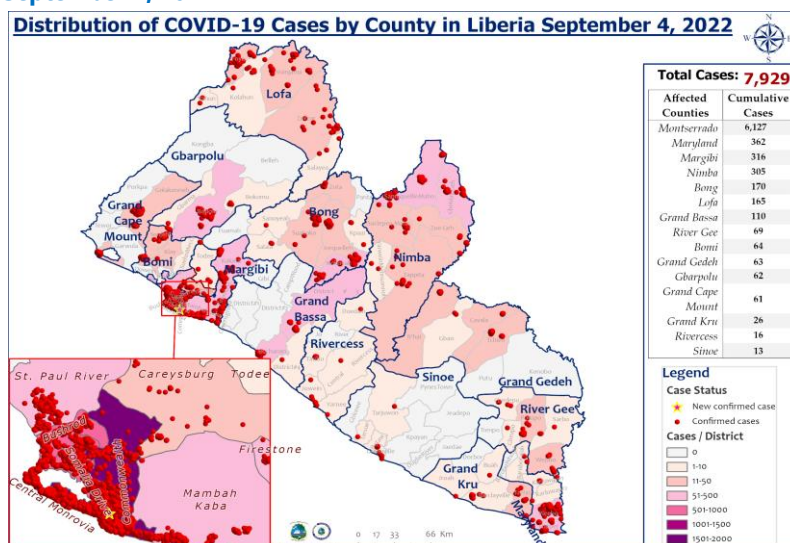
Influenza-Like Illnesses

Coronavirus Disease (COVID-19)

Outbreak

- ☞ Thirty-eight (38) new confirmed cases were reported from Montserrado (22), Nimba (12), Margibi (3), and Maryland (1) Counties
- ☞ One hundred thirty-nine (139) contacts were reported from Nimba (84), Montserrado (48), and Margibi (7) Counties
- ☞ A total of one thousand twenty-four (1,024) confirmed cases have been reported since epi week 1
- ☞ Cumulatively, seven thousand nine hundred twenty-nine (7,929) confirmed cases including 294 deaths

Figure 2: Geographical Distribution of Laboratory Confirmed COVID-19 Cases by Health Districts, Liberia, as of August 29-September 4, 2022



- 601 healthcare workers reported with 17,827 contacts generated

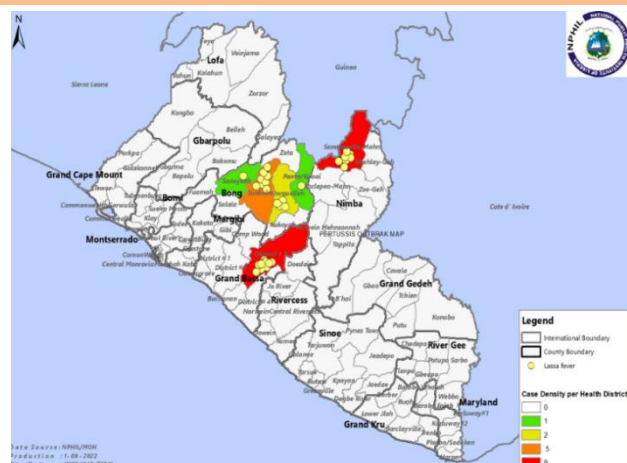
Public Health Actions

- ☞ Weekly IMS coordination meeting ongoing.
- ☞ 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 the country of destination ongoing

Viral Hemorrhagic Diseases

Lassa fever

- ☞ Three (3) suspected cases were reported from Nimba (2 including 1 death) and Margibi (1 death) Counties
- ☞ Specimens collected: 2 tested positive and 1 pending testing
- ☞ Cumulatively, one hundred ten (110) suspected cases have been reported including 16 deaths
 - Thirty-five (35) confirmed cases were recorded including 16 deaths
 - Seventy-two (72) negatives
 - Case Fatality Rate: (11/35) 31%
 - Proportion of suspected cases with sample collected (109/110) 99%



Geographical distribution of confirmed Lassa fever cases by Health District, Liberia, Epi-week 1-35, 2022



Liberia IDSR Epidemiology Bulletin

Epi-week 35 (August 29-September 4, 2022)

- Proportion of suspected cases with sample tested (107/109) 98%
 - 2 samples rejected
 - 1 not collected

Outbreak

Lassa fever disease: (Sitrep update as of September 4, 2022)

- 👉 Two new confirmed cases reported from Nimba County
- 👉 Forty-one (41) contacts generated and under 21 days' follow-up in Nimba
- 👉 Cumulatively, thirty-five (35) laboratory-confirmed cases including 11 deaths reported (CFR=31%)

Nimba County: Sanniquellie-Mah District

- 👉 Two new confirmed cases reported from Tappita and Sanniquellie-Mah Districts
- 👉 The confirmed case from Tappita District expired while the case from Sanniquellie-Mah is alive and admitted at E & J Medical Center
- 👉 Cumulative case: ten (10)
 - CFR (6/10) 60%
- 👉 Cumulative contacts: 41 (28 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: Jorquelleh Districts

- 👉 No new confirmed case reported
- 👉 Countdown to the end of the outbreak (21 days gone)
- 👉 Cumulatively, fourteen (14) confirmed cases including (3) deaths (CFR 21%)
 - Suakoko District: 9 cases and 3 deaths
 - Jorquelleh District: 3 cases
 - Sanoyea District: 1 case
 - Kpaai District: 1 case
- 👉 A total of one hundred fifty-seven (157) contacts have been 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

- 👉 Five (5) suspected cases were reported from Grand Cape Mount (2), Grand Kru (1), Lofa (1), and Sinoe (1) Counties
- 👉 Four (4) specimens were collected and pending testing
- 👉 Cumulatively, sixty-five (65) suspected cases have been reported
 - Proportion of suspected cases with sample collected (58/65) 89%
 - Proportion of suspected cases with sample tested (45/58) 78%
 - Samples pending testing (13/58) 22%



Liberia IDSR Epidemiology Bulletin

Epi-week 35 (August 29-September 4, 2022)

Diarrheal Diseases

Acute Bloody Diarrhea (Suspected Shigellosis)

- 👉 Five (5) suspected cases were reported from Lofa (2), Grand Gedeh (1), Sinoe (1), and Maryland (1) Counties
- 👉 Three (3) specimens were collected and pending testing
- 👉 Cumulatively, three hundred thirty-eight (338) suspected cases reported
- 👉 One hundred sixty-four (164) specimens collected; 138 received by the lab
 - 111 tested negative
 - 1 positive (Grand Gedeh)
 - 11 rejected
 - 15 specimens not tested

Severe Acute Watery Diarrhea (Suspected Cholera)

- 👉 Four (4) suspected cases were reported from Sinoe, Bomi, Margibi, and Maryland Counties
- 👉 Specimens were collected and pending testing
- 👉 Cumulatively, two hundred fifty-four (254) suspected cases reported
 - 140 specimens collected; 94 received by the lab
 - 68 tested negative
 - 5 rejected
 - 21 specimens not tested

Other Reportable Diseases

Animal bite (Human Exposure to Rabies)

- 👉 Forty-eight (48) animal bite cases were reported: Montserrado (12 including 1 death), Nimba (11), Bong (7), Grand Bassa (3), Margibi (3), Sinoe (3), Grand Gedeh (2), Maryland (2), Grand Kru (2), Lofa (2) and Grand Cape Mount (1) Counties
- 👉 Persons received Post Exposure Prophylaxis (PEP) (17/48) 35%
- 👉 Cumulatively, one thousand four hundred sixty-seven (1,467) animal bite cases reported
 - Dog bites account for 100%
 - 1-4 doses (PEP) administered to (294/1,467) 20% 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

- 👉 Two (2) new suspected cases were reported from Grand Kru and Montserrado Counties
 - One (1) specimen was collected and pending testing
- 👉 Cumulatively, forty-one (41) suspected cases reported

Events of Public Health Importance

Maternal Mortality

- 👉 One (1) death was reported from Bong County
 - Cause of death: PPH
 - The death occurred at the health facility
- 👉 Cumulatively, two hundred eleven (211) deaths have been reported
 - Proportion of deaths reviewed (49/211) 23%
 - Proportion of community deaths (19/211) 9%
 - Proportion of community deaths reviewed: (8/19) 42%

Neonatal Mortality

- 👉 Twelve (12) deaths were reported: Montserrado (10), Grand Kru (1), and Maryland (1) Counties



Liberia IDSR Epidemiology Bulletin

Epi-week 35 (August 29-September 4, 2022)

- Causes of death: Birth asphyxia (8), Preterm (2), Sepsis (1), and Tetanus (1)
- ☞ All deaths occurred at the health facility
- ☞ Cumulatively, five hundred fifty-six (556) deaths have been reported
- The proportion of deaths reviewed (60/556) 11%
 - Proportion of community deaths (23/556) 4%
 - Proportion of deaths reviewed from the community (8/23) 35%

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

- ☞ Eleven (11) cases were reported: Sinoe (7), Grand Gedeh (2), Grand Bassa (1), and Maryland (1) Counties
 - Related vaccines:
 - COVID-19 (8/11) 73%
 - Penta (2/11) 18%
 - Measles-(1/11) 9%
- ☞ Cumulatively, three hundred eighty-eight (388) events were reported with (257/388) 66% related to COVID-19
- ☞ Proportion of COVID-19 vaccine
 - J&J vaccine – (198/257) 77%
 - AstraZeneca – (6/257) 2%
 - Pfizer – (53/257) 21%
- ☞ Proportion of other vaccine-related events – (131/388) 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

Table2: Border activity at the PoE for Incoming and Outgoing Travelers, Liberia, Epi week 35, 2022

☞ A total of 5,571 travelers were recorded for the week with incoming travelers accounting for 45% (2,527/5,571)

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	113	78	35	113	0	0	0	0	0	15
	Robert Int'l Airport	3938	1754	2184	3897	27	0	14	0	0	3893
Seaport	Freeport of Monrovia	110	59	59	110	0	0	0	0	0	110
	Buchanan Port	160	80	80	160	0	0	0	0	0	160
Land Crossing	Bo Water Side	770	326	444	665	20	50	35	0	0	76
	Ganta	232	110	122	201	31	0	0	0	0	60
	Yekepa	123	66	57	89	26	8	0	0	0	33
	Loguatu	125	54	71	113	12	0	0	0	0	18
Total		5,571	2,527	3,052	5,348	116	58	49	0	0	4,365

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
 - Conducted Simulation exercise in Grand Cape Mount County
- ☞ Operational Activity
 - Continued support for operational activities ongoing



Liberia IDSR Epidemiology Bulletin

Epi-week 35 (August 29-September 4, 2022)

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Measles	A	0	4	1	17	4	6	3	5	8	11	76	5	3	0	4	147	7,195	435
		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	39	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	2	0	1	1	0	1	0	0	0	0	0	5	65	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	1	0	0	0	1	110	35
		D	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	2	0	10
Influenza-Like Illnesses	COVID-19	A	0	0	0	0	0	0	0	0	3	1	22	12	0	0	0	38	7,929	7,929
		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	0	0	1	0	2	0	1	0	0	0	0	1	5	338	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	1	0	0	0	0	0	0	0	1	1	0	0	0	0	1	4	254	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	0	0	0	0	0	1	211	
	Neonatal Mortality	D	0	0	0	0	0	0	1	0	0	1	10	0	0	0	0	12	556	
	Adverse Events Following Immunization (AEFI)	A	0	0	0	1	0	2	0	0	0	1	0	0	0	0	7	11	388	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	1	0	0	0	1	0	0	0	0	2	41	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	7	0	3	1	2	2	2	3	2	11	11	0	0	3	47	1,466	0
		D	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	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			1	12	1	21	7	11	8	10	16	19	121	30	3	0	16	276	18777	8707

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

Epidemiological bulletin published with support from WHO and CDC

For comments or questions, please contact

Ralph W. Jetoh, MD, MPH

Director

Infectious Disease and Epidemiology Division
National Public Health Institute of Liberia
Republic of Liberia

Email: ralphica2000@gmail.com

Phone: +231 886526388/777372655

Website: www.nphil.gov.lr

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

EDITORIAL TEAM

DIDE / NPHIL

A. N. Mianah
I. P. Pewu
T. O. Yeabah
J. S. Kokro
E. Dwalu
A.B. Corvah
G. B. Williams
S. K. Zayzay
L. W. Colee
M. Tegli
T. L. Hall
S. L. Flomo
M. S. Quiah
C. T. Yeah
L. K. Seepoe
J. O. Abel
P. J. Thomas
H. M. Sherman
M.D. Vaye
N. K. Dovillie
A. Coker
S. Nuwolo

Ministry of Health
WHO Liberia Office

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.