



Liberia IDSR Epidemiology Bulletin

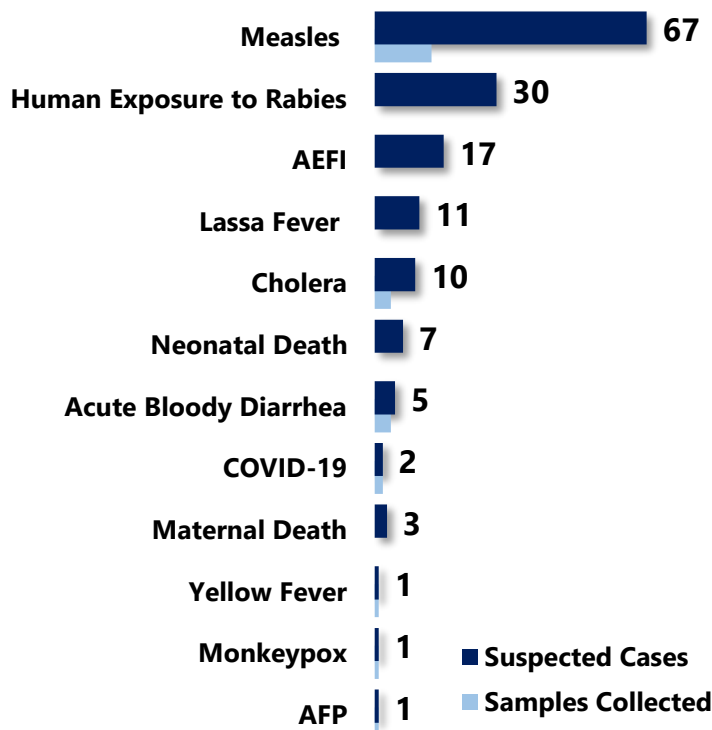
Epi-week 42 (October 17-23, 2022)

Country Population: 5,104,413 | Volume 17 Issue 42 | Oct 17-23, 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 **155 events** of public health importance including **12 deaths** were reported
- ♦ **Completeness and timeliness** of health facility reports were **100%** and **99%**
- ♦ **Ongoing Lassa fever** outbreak in **4** Counties
- ♦ **Ongoing Measles** outbreak in **13** Counties
- ♦ **Two new confirmed COVID-19 cases** in **Montserrado** County

*Adverse Events Following Immunization/Adverse Drug Reaction

Reporting Coverage

Table 1: Health Facility Weekly IDSR Reporting Coverage, Liberia, Epi-week 42, 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	14	100	88
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	85	85	97	97
Rivercess	21	21	21	100	100
River Gee	20	20	20	100	100
Sinoe	37	37	37	100	100
Liberia	869	865	863	100	99

865(100%)
Health
facilities
reported
IDSR data

93 (100%)
Health
districts
reported
IDSR data

863(99%)
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 Gbarpolu and Nimba

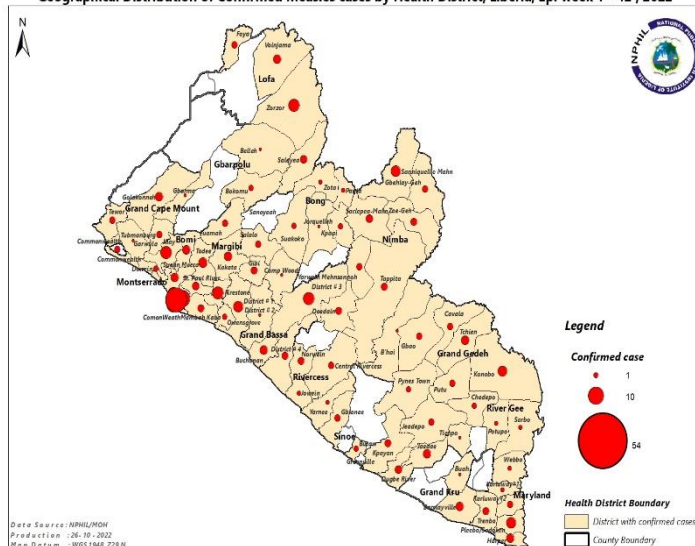
Legend: ≥80 <80

Vaccine-Preventable Diseases

Measles

- ✍ Sixty-seven (67) suspected cases were reported: Montserrado (15), Rivercess (11), Grand Kru (9), Margibi (7), Nimba (7), Maryland (6), Bomi (4), Grand Bassa (3), Grand Gedeh (2), Gbarpolu (2), and River Gee (1) Counties
- ✍ Fourteen (14) specimens collected and pending testing
- ✍ Vaccination status among suspected cases
 - Vaccinated: (20) 30%
 - Not vaccinated: (33) 49%
 - Unknown: (14) 21%
- ✍ Age distribution among suspected cases
 - < 5 years: (30) 45%
 - ≥5 years: (37) 55%
- ✍ Cumulatively, seven thousand nine hundred twenty-seven (7,927) suspected cases have been reported including 80 deaths
 - (7,377) 93% confirmed:
 - ✓ Laboratory confirmed: (475/7,377) 6%
 - ✓ Clinically compatible: (561/7,377) 8%
 - ✓ Epidemiologically linked: (6,341/7,377) 86%
 - Non-measles discarded: 550
 - ✓ 40 tested positive for Rubella
- ✍ Proportion of samples collected: (1,246/7,927) 16%
- ✍ Proportion of samples tested: (1,025/1,246) 82%
- ✍ CFR: (80/7,377) 1.1%

Geographical Distribution of Confirmed Measles cases by Health District, Liberia, Epi week 1 - 42, 2022



Geographical distribution of Measles Cases by epidemiological classification, health district, Liberia, Epi-week 1 – 42, 2022

Outbreak

Measles: (Situation update from 13th December- 23rd October 2022)

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

- ✍ Fifteen (15) cases were reported from Commonwealth (4), St Paul (4), Todee (3), Bushrod (3), and Somalia Drive (1) Districts
- ✍ A total of 4,116 cases have been confirmed including sixty-five (65) deaths
 - Median age 6 (1month-59years)
 - Not Vaccinated- (2,088/4,116) 51%
 - Vaccinated - (1,968/4,116) 48%
- ✍ CFR (65/4,116) 1.6%

Bong County: Suakoko, Zota, Jorquelleh, Salala, and Panta Districts (Situation update from 20th December 2021-23rd October 2022)

- ✍ No new case reported
- ✍ A total of 337 cases have been confirmed including two (2) deaths
 - Median age 8 (1 month - 38 years)
 - Vaccinated - (145/337) 43%
 - Not vaccinated - (114/337) 34%
 - CFR (2/337) 0.6%

Lofa County: Voinjama, Foyah, Zorzor, and Salayea Districts (Situation update from 21st January- 23rd October 2022)

- ✍ No new case reported
- ✍ A total of 168 cases have been confirmed
 - Median age: 10 (2 months-46years)



Liberia IDSR Epidemiology Bulletin

Epi-week 42 (October 17-23, 2022)

- Vaccinated: (158/168) 94%
- Not vaccinated: (5/168) 3%

Nimba County: Gbehlay-Geh, Sacleapea-Mah, Zoe-Geh, Tappita, Yarwin Mehnsonnoh, and Sanniquellie-Mah Districts (Situation update from 20th January-23rd October 2022)

👉 Seven (7) new cases were reported from Tappita (4), Gbehlay-Geh (1), Sanniquellie-Mah (1), and Sacleapea-Mah (1) Districts

👉 A total of 677 cases have been confirmed including one death

- Median age 7 (2 months- 48years)
- Not Vaccinated: (421/677) 62%
- Vaccinated: (147/677) 22%
- CFR: (1/677) 0.1%

Maryland County: Harper and Pleebo Districts (Situation update from 1st February- 23rd October 2022)

👉 Six (6) new cases were reported from Pleebo District

👉 A total of 229 cases have been confirmed

- Median age 7 (7 months-48 years)
- Vaccinated: (28/229) 12%
- Not Vaccinated: (54/229) 24%

Grand Bassa County: District #1, District #2, Owensgrove, and Buchanan Districts (Situation update from 22nd April -23rd October 2022)

👉 Three (3) new cases were reported from District #4, Owensgrove, and Buchanan Districts

👉 A total of 630 cases including three (3) deaths have been confirmed

- Median age 7 (1 month-45 years)
- Vaccinated: (230/630) 37%
- Not Vaccinated: (279/630) 44%
- CFR (3/630) 0.5%

Bomi County: Klay, Senjeh, and Suehn Mecca Districts (Situation update from 14th March-23rd October 2022)

👉 Three (3) new cases were reported from Klay (2), and Senjeh (1) Districts

👉 A total of 64 cases have been confirmed including 5 deaths

- Median age 7 (1 month-48 year)
- Vaccinated: (23/64) 36%
- Not Vaccinated: (19/64) 30%
- CFR (5/64) 8%

Grand Kru: Barclayville and Dorbor Districts (Situation update from 14th March – 23rd October 2022)

👉 Eight (8) new cases were reported from Dorbor (6), and Barclayville (2) Districts

👉 A total of 120 cases have been confirmed

- Median age 9 (53 months-18 years)
- Vaccinated: (89/120) 74%
- Not Vaccinated: (31/120) 26%

Rivercess: Doedain and Jowein Districts (Situation update from 16th March – 23rd October 2022)

👉 Four (4) new cases were reported from Jowein (4), and Doedain (1) District

👉 A total of 39 confirmed cases have been confirmed including 1 death

- Median age 5 (6 months -36 years)
- Vaccinated: (13/39) 33%
- Not Vaccinated: (7/39) 18%
- CFR: (1/39) 3%



Liberia IDSR Epidemiology Bulletin

Epi-week 42 (October 17-23, 2022)

Margibi County: Firestone, Gibi, Kakata, and Mamba Kaba Districts (Situation update from 21st February–23rd October 2022)

- 👉 Seven (7) new cases were reported from Kakata (4), Firestone (2), and Gibi (1) Districts
- 👉 A total of 544 cases have been confirmed
 - Median age 6 (4 months - 67 years)
 - Vaccinated: (270/544) 50%
 - Not Vaccinated: (163/544) 30%

Grand Cape Mount County: Gola Konneh District (Situation update from 10th March –23rd October 2022)

- 👉 No new case reported
- 👉 A total of 96 cases have been confirmed including 3 deaths
 - Median age 12 (2 months – 45 years)
 - Vaccinated: (81/96) 84%
 - Not Vaccinated: (13/96) 14%
 - CFR: (3/96) 3%

Grand Gedeh County: Tchien, Konobo, B'hai, and Gbao Districts (Situation update from 10th March–23rd October 2022)

- 👉 Two (2) new cases were reported from Tchien and Konobo Districts
- 👉 A total of 115 cases have been confirmed
 - Median age 6 (6 months-35 years)
 - Vaccinated (38/115) 33%
 - Not Vaccinated: (41/115) 36%

Sinoe: Gblonee, Dugbeh River, Kpanyan, Jaedae, and Jedepo Districts (Situation update from 19th May – 23rd October 2022)

- 👉 No new case reported
- 👉 A total of 142 cases have been confirmed
 - Median age 6 (2 months-38 years)
 - Vaccinated: (70/142) 49%
 - 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



Liberia IDSR Epidemiology Bulletin

Epi-week 42 (October 17-23, 2022)

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)

- One case was reported from Nimba County
- Specimen was collected and shipped
- Cumulatively, ninety-six (96) cases have been reported
 - 61 tested negatives
 - 35 pending testing

Neonatal Tetanus

- Zero case reported
- Cumulatively, forty-four (44) clinically diagnosed cases reported

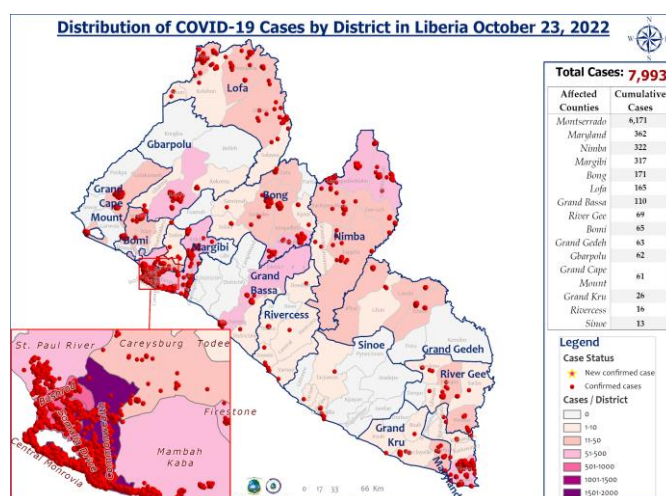
Influenza-Like Illnesses

Coronavirus Disease (COVID-19)

Outbreak

- Two (2) new confirmed cases were reported from Montserrado County
- A total of one thousand eighty-four (1,086) confirmed cases have been reported since epi week 1
- Cumulatively, seven thousand nine hundred ninety-three (7,993) confirmed cases, including 294 deaths
 - 601 healthcare workers
- A total of 17,827 contacts have been generated
 - 1,772 healthcare workers

Figure 2: Geographical Distribution of Laboratory Confirmed COVID-19 Cases by Health Districts, Liberia, as of October 17-23, 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



Liberia IDSR Epidemiology Bulletin

Epi-week 42 (October 17-23, 2022)

Severe Acute Respiratory Illness (SARI)

👉 Zero case reported

Influenza

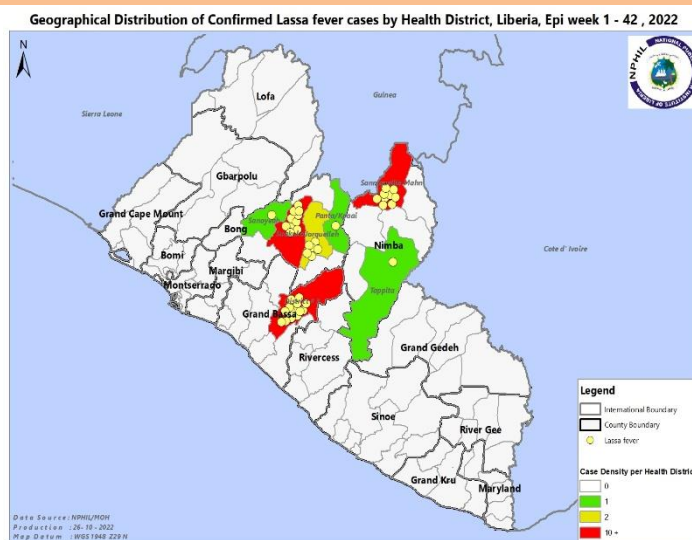
👉 Zero case was reported

👉 Cumulatively, forty (40) cases have been reported

Viral Hemorrhagic Diseases

Lassa fever

- 👉 Eleven (11) suspected cases (including one death) were reported from Grand Bassa (6), Montserrado (2), Bong (1), Nimba (1), and Sinoe (1) counties
- 👉 Eleven (11) specimens were collected: 1 tested positive, 6 negative and 4 pending
- 👉 Cumulatively, one hundred fifty-six (156) suspected cases have been reported including 24 deaths
 - Fifty-two (52) confirmed cases were recorded including 17 deaths
 - Ninety-six (96) negatives
 - Case Fatality Rate: (17/53) 32%
 - Proportion of suspected cases with sample collected (155/156) 99%
 - Proportion of suspected cases with sample tested (149/155) 96%
 - 2 samples rejected (inadequate specimen, wrong packaging)
 - 1 not collected



Geographical distribution of confirmed Lassa fever cases by Health District, Liberia, Epi-week 1-42, 2022

Outbreak

Lassa fever disease: (Sitrep update as of October 23, 2022)

- 👉 One new confirmed case was reported from Bong County
- 👉 Sixty-six (66) contacts under 21 days' follow-up
- 👉 Cumulatively, fifty-two (52) laboratory-confirmed cases including 17 deaths reported (CFR=32%)

Bong County: Suakoko District

- 👉 One new confirmed case reported
 - A 33 years old male from Lofa parking, Jorquelleh District
 - Onset of symptom October 7, 2022. The case sought treatment at Phebe Hospital and presented with painful throat, vomiting, weakness and headache
 - Specimen was collected October 17, 2022 and sent to the NPHRL on October 18, 2022
 - Specimen got tested October 21, 2022 and Lab. results released to the county on the same day
 - A total of 15 contacts generated
- 👉 Cumulative confirmed cases: nineteen (19)
 - CFR: (4/19) 21%
- 👉 Districts that have reported confirmed cases since this year
 - Suakoko District: 14 cases (3 deaths)
 - Jorquelleh District: 3 cases (1 death)
 - Sanoyea District: 1 case
 - Kpaai District: 1 case
- 👉 Cumulatively, 190 contacts including 113 HCWs have been recorded since this year



Liberia IDSR Epidemiology Bulletin

Epi-week 42 (October 17-23, 2022)

- 169 contacts completed monitoring and 21 contacts under 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

- Confirmed case is isolate and being managed

📁 Surveillance

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

Montserrado: Central Monrovia

📁 No new confirmed case reported

📁 Cumulatively confirmed cases: one (1)

📁 Cumulatively, 28 contacts generated including 23 healthcare workers and 5 family line list

Grand Bassa: District #3A&B

📁 No new confirmed case reported

📁 Cumulative confirmed cases: twenty-one (21)

- CFR (6/21) 29%

📁 District that has reported confirmed cases since this year

- District #3 A&B

📁 Cumulatively, 101 contacts generated since this year

- Eighty-four (84) contacts completed monitoring while seventeen (17) contacts under follow up

Public Health Measures

📁 NPHIL and MOH providing technical support to county

- Health workers and visitors are encouraged to enhance IPC practices by regular washing of hands
- Limited community engagement

Nimba: Sanniquellie-Mah District

📁 No new confirm case reported

📁 Cumulative confirmed cases: eleven (11)

- 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

- All contacts have completed follow up

Public Health Measures

📁 NPHIL and MOH providing technical support to county

- Health workers and visitors are encouraged to enhance IPC practices by regular washing of hands
- Limited community engagement

Yellow fever

📁 One case was reported from Grand Bassa County

📁 Specimen was collected and pending testing

📁 Cumulatively, seventy-five (75) suspected cases have been reported



Liberia IDSR Epidemiology Bulletin

Epi-week 42 (October 17-23, 2022)

- Proportion of suspected cases with sample collected (66/75) 88%
- Proportion of sample collected and tested (59/66) 89%
 - 59 negative
- Samples pending testing (4/66) 6%
- Samples not transported (3/66) 5%

Diarrheal Diseases

Acute Bloody Diarrhea (Suspected Shigellosis)

- 📁 Five (5) cases were reported from Maryland (2), Sinoe (1), Grand Kru (1), and Rivercess (1) Counties
- 📁 Four (4) specimens were collected, 3 pending testing and 1 not transported
- 📁 Cumulatively, three hundred eighty-five (385) suspected cases reported
- 📁 One hundred ninety-one (192) specimens collected; 147 received by the lab
 - 119 tested negatives
 - 1 positive (Grand Gedeh)
 - 11 rejected (inadequate specimen, wrong packaging)
 - 16 specimens discarded

Severe Acute Watery Diarrhea (Suspected Cholera)

- 📁 Ten (10) cases were reported from Lofa (6), Maryland (1), Sinoe (1), Grand Gedeh (1) and Grand Kru (1) counties
- 📁 Four (4) specimens were collected 2 pending testing and 2 not transported
- 📁 Cumulatively, three hundred, nine (309) suspected cases reported
 - 177 specimens collected; 104 received by the lab
 - 74 tested negatives
 - 5 rejected (inadequate specimen, wrong packaging, specimen not label)
 - 25 specimens not tested

Other Reportable Diseases

Animal bite (Human Exposure to Rabies)

- 📁 Thirty (30) animal bite cases were reported: Grand Kru (8), Bomi (5), Margibi (4), Grand Bassa (4), Montserrado (3), Nimba (2), Gbarpolu (2), Maryland (1), and Lofa (1) Counties
- 📁 Persons received Post Exposure Prophylaxis (PEP) (8/30) 27%
- 📁 Cumulatively, one thousand seven hundred forty-two (1,742) animal bite cases reported
 - Dog bites account for 100%
 - 1-4 doses (PEP) administered to (324/1,742) 19% of patients

Public Health Actions

- 📁 Ongoing monitoring and follow-up of cases
- 📁 Quarantined (4/30) 13% of suspected rabid dogs

Meningitis

- 📁 Zero case reported
- 📁 Cumulatively, twenty-nine (29) suspected cases reported
- 📁 One (1) confirmed

Monkeypox

- 📁 One (1) suspected case was reported from Bomi County
- 📁 No specimen collected
- 📁 Cumulatively, fifty-three (53) suspected cases reported

Events of Public Health Importance

Maternal Mortality



Liberia IDSR Epidemiology Bulletin

Epi-week 42 (October 17-23, 2022)

- ☞ Three (3) deaths were reported from Grand Kru (1), Margibi (1), and Grand Bassa (1) Counties
- ☞ Cause of death: Postpartum hemorrhage (2) and sepsis (1)
- ☞ Reported from:
 - Health facility: (2) 67%
 - Community: (1) 33%
- ☞ Cumulatively, two hundred thirty-eight (238) deaths have been reported
 - Proportion of deaths reviewed (49/238) 21%
 - Proportion of community deaths (24/238) 10%
 - Proportion of community deaths reviewed: (8/24) 33%

Neonatal Mortality

- ☞ Seven (7) deaths were reported: Margibi (2), Bomi (1), Nimba (1), Montserrado (1), Lofa (1), and Gbarpolu (1) Counties
- ☞ Causes of death: Birth asphyxia (5) and Sepsis (2)
- ☞ Reported from:
 - Health facility: 6 (86%)
 - Community: 1 (14%)
- ☞ Cumulatively, six hundred thirty-seven (637) deaths have been reported
 - The proportion of deaths reviewed (79/637) 14%
 - Proportion of community deaths (29/637) 5%
 - Proportion of deaths reviewed from the community (8/29) 28%

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

- ☞ Seventeen (17) cases were reported: Grand Kru (8), Grand Bassa (3), Lofa (2), Rivercess (2), and River Gee (2) Counties
 - Related vaccines:
 - COVID-19 (40/45) 89%
 - Penta-3 (5/45) 11%
- ☞ Cumulatively, five hundred thirty (530) events were reported with (375/530) 71% related to COVID-19
- ☞ Proportion of COVID-19 vaccine
 - J&J vaccine – (272/375) 73%
 - AstraZeneca – (6/375) 2%
 - Pfizer – (97/375) 26%
- ☞ Proportion of other vaccine-related events – (155/530) 29%

Public Health Actions

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



Liberia IDSR Epidemiology Bulletin

Epi-week 42 (October 17-23, 2022)

Border Surveillance Update

Table2: Border activity at the PoE for Incoming and Outgoing Travelers, Liberia, Epi week 42, 2022

👉 A total of 4,284 travelers were recorded for the week with incoming travelers accounting for 50% (2,151/4,284)

Type of Ports	Point of Entry	Weekly total	Arrival	Departure	Total travelers with YB	Yellow Book Damage	Card Replaced	Travelers Vaccinated against YF & Issued book	Alerts detected / Verified	COVID-19 Reactive	Evidence of COVID-19 vaccination card/certificate
Airport	James S. Pavnes Robert Int'l Airport	89	48	41	89	0	0	0	0	0	60
		2902	1369	1533	2868	24	0	10	0	0	2884
Seaport	Freeport of Monrovia	172	86	86	172	0	0	0	0	0	172
	Buchanan Port	154	77	77	154	0	0	0	0	0	154
Land Crossing	Bo Water Side	464	307	157	436	7	0	21	0	0	453
	Ganta	263	166	97	231	20	12	0	0	0	108
	Yekepa	129	56	73	120	9	0	0	0	0	95
	Loguatu	111	42	69	101	8	2	0	0	0	71
Total		4,284	2,151	2,133	4,171	68	14	31	0	0	3,997

Note: Yellow book issue for both arrival and departure; Vaccination coverage for both arrival and departure

Public Health Measures

National level

- 👉 MSF donated PPE (gloves, isolation gowns, surgical masks, face shields and alcohol-based hand rub) and 700 tablets of ribavirin 200mg to Redemption Hospital
- 👉 Trained one hundred-forty health professionals Rapid Response at district and county level (Margibi and Bomi)
- 👉 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	1	0	0	0	1	96	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Measles	A	4	0	2	3	0	2	9	0	7	6	15	7	11	1	0	67	7,927	475
		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	0	2	0
	Yellow fever	A	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	75	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	6	0	0	0	0	0	0	2	1	0	0	1	10	156	53
		D	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	24	17
Influenza-Like Illnesses	COVID-19	A	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	7,993	7,993
		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
Diarrheal Diseases	Acute Bloody Diarrhoea (Shigellosis)	A	0	0	0	0	0	0	1	0	0	2	0	0	1	0	1	5	385	1
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Severe Acute Watery Diarrhoea (Cholera)	A	0	0	0	0	0	1	1	6	0	1	0	0	0	0	1	10	309	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	0	0	1	0	0	1	0	1	0	0	0	0	0	0	3	238	
	Neonatal Mortality	D	1	0	1	0	0	0	0	1	2	0	1	1	0	0	0	7	637	
	Adverse Events Following Immunization (AEFI)	A	0	0	0	3	0	0	8	2	0	0	0	0	2	2	0	17	530	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	53	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	5	0	2	4	0	0	8	1	4	1	3	2	0	0	0	30	1,742	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	Meningitis	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	1
		D	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
		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			11	1	5	18	0	3	28	10	14	10	23	12	14	3	3	155	20345	8836

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.