



Liberia IDSR Epidemiology Bulletin

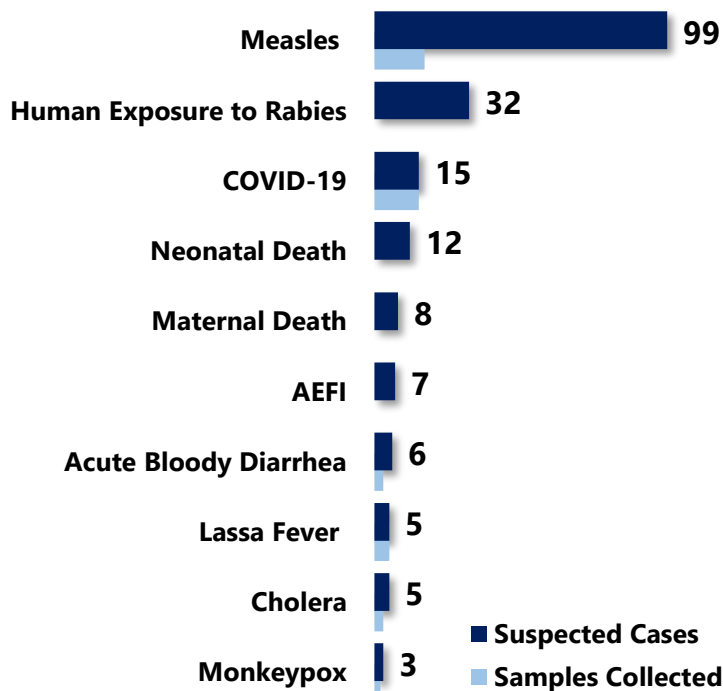
Epi-week 37 (September 12-18, 2022)

Country Population: 5,104,413 | Volume 17 Issue 37 | Sept 12-18, 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 192 events of public health importance including 21 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
- ♦ Fifteen new confirmed COVID-19 cases in 2 Counties

*Adverse Events Following Immunization/Adverse Drug Reaction

Reporting Coverage

Table 1: Health Facility Weekly IDSR Reporting Coverage, Liberia, Epi-week 37, 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	23	23	100	100
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	869	869	100	100

865(100%)
Health facilities reported IDSR data

93 (100%)
Health districts reported IDSR data

869(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 Rivercess County

Legend: ≥80 <80

Vaccine-Preventable Diseases

Measles

- ✎ Ninety-nine (99) suspected cases were reported: Montserrado (40), Grand Bassa (13), Nimba (11), Grand Kru (7), Margibi (6), Grand Gedeh (5), Lofa (5), Rivercess (4), Bong (3), Sinoe (2), Maryland (2), and Bomi (1) Counties.
- ✎ Seventeen (17) specimens collected: 8 tested positive and 9 pending testing
- ✎ Vaccination status among suspected cases
 - Vaccinated: (44) 45%
 - Not vaccinated: (34) 34%
 - Unknown: (21) 21%
- ✎ Age distribution among suspected cases
 - < 5 years: (52) 52%
 - ≥ 5 years: (47) 48%
- ✎ Cumulatively, seven thousand four hundred twenty-eight (7,428) suspected cases have been reported including 80 deaths
 - (6,891) 93% confirmed:
 - ✓ Laboratory confirmed: (457/6,891) 7%
 - ✓ Clinically compatible: (556/6,891) 8%
 - ✓ Epidemiologically linked: (5,878/6,891) 85%
 - Non-measles discarded: 537
 - ✓ 40 tested positive for Rubella
- ✎ Proportion of samples collected: (1,161/7,428) 16%
- ✎ Proportion of samples tested: (994/1,161) 86%
- ✎ CFR: (80/6,891) 1.2%



Geographical distribution of Measles Cases by epidemiological classification, health district, Liberia, Epi-week 1 - 37, 2022

Outbreak

Measles: (Situation update from 13th December- 18th September 2022)

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

- ✎ Forty (40) cases were reported from Commonwealth (20), Bushrod (15), Todee (3), and Somalia Drive (2) Districts
- ✎ A total of 3,897 cases have been confirmed including sixty-four (64) deaths
 - Median age 6 (1month-59years)
 - Not Vaccinated- (1971/3,897) 51%
 - Vaccinated - (1,886/3,897) 48%
- ✎ CFR (64/3,897) 1.6%

Bong County: Suakoko, Zota, Jorquelleh, Salala, and Panta Districts (Situation update from 20th December 2021-18th September 2022)

- ✎ One (1) new case was reported from Salala District
- ✎ A total of 400 cases have been confirmed including two (2) deaths
 - Median age 8 (1 month - 38 years)
 - Vaccinated - (116/400) 29%
 - Unknown - (60/400) 15%
 - CFR (2/400) 0.5%

Lofa County: Voinjama, Foyah, Zorzor, and Salayea Districts (Situation update from 21st January- 18th September 2022)

- ✎ Five (5) new cases new case were reported from Zorzor (4), and Voinjama (1)



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👉 A total of 161 cases have been confirmed

- Median age: 10 (2 months-46years)
- Vaccinated: (153/161) 95%
- Unknown: (3/161) 1.9%

Nimba County: Gbehlay-Geh, Sacleapea-Mah, Zoe-Geh, Tappita, Yarwin Mehnsonnoh, and Sanniquellie-Mah Districts (Situation update from 20th January-18th September 2022)

👉 Eleven (11) new cases were reported from Sacleapea-Mah (4), Sanniquellie-Mah (3), Tapital (3), and Yarwin Mehnsonnoh (1) Districts

👉 A total of 645 cases have been confirmed

- Median age 7 (2 months- 48years)
- Not Vaccinated: (402/645) 62%
- Vaccinated: (136/645) 21%

Maryland County: Harper and Pleebo Districts (Situation update from 1st February- 18th September 2022)

👉 Two (2) new cases were reported from Harper District

👉 A total of 203 cases have been confirmed

- Median age 7 (7 months-48 years)
- Vaccinated: (26/203) 13%
- Not Vaccinated: (52/203) 26%

Grand Bassa County: District #1, District #2, Owensgrove, and Buchanan Districts (Situation update from 22nd April -18th September 2022)

👉 Thirteen (13) new cases were reported from Buchanan (4), District #1 (3), District #4 (3), District #3A&B (2), and District #2 (1) Districts

👉 A total of 569 cases including three (3) deaths have been confirmed

- Median age 7 (1 month-45 years)
- Vaccinated: (217/569) 38%
- Not Vaccinated: (230/569) 40%
- CFR (3/569) 0.5%

Gbarpolu: Belle and Kongba Districts (Situation update from 22nd February- 18th September 2022)

👉 No new case was reported

👉 A total of 14 cases have been confirmed

- Median age 10 (1-24 years)
- Vaccinated: (4/14) 29%
- Not Vaccinated: (7/14) 50%

Bomi County: Klay District (Situation update from 14th March-18th September 2022)

👉 One (1) new case was reported from Klay District

👉 A total of 69 cases have been confirmed including 6 deaths

- Median age 7 (1 month-48 year)
- Vaccinated: (31/69) 45%
- Not Vaccinated: (18/69) 26%
- CFR (6/69) 9%

Grand Kru: Trehn and Barclayville Districts (Situation update from 14th March – 18th September 2022)

👉 Six (6) new cases were reported from Dorbor (4), and Barclayville (2) Districts

👉 A total of 94 cases confirmed

- Median age 9 (53 months-18 years)
- Vaccinated: (69/94) 73%
- Not Vaccinated: (28/94) 30%



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Rivercess: Central C, Timbo, Doedine and Yarnee Districts (Situation update from 16th March – 18th September 2022)

- 👉 Four (4) new cases were reported from Doedine (3) and Timbo (1)
- 👉 A total of 33 confirmed cases have been recorded
 - Median age 5 (6 months -36 years)
 - Vaccinated: (7/33) 21%
 - Not Vaccinated: (10/33) 30%
 - CFR: (1/33) 3%

Margibi County: Firestone, Gibi, Kakata, and Mamba Kaba Districts (Situation update from 21st February–18th September 2022)

- 👉 Six (6) new cases were reported from Mamba Kaba District
- 👉 A total of 545 cases have been confirmed
 - Median age 6 (4 months - 67 years)
 - Vaccinated: (276/545) 51%
 - Not Vaccinated: (163/545) 30%

Grand Cape Mount County: Gola Konneh, District (Situation update from 10th March –18th September 2022)

- 👉 No new case was reported
- 👉 A total of 88 cases have been confirmed including 3 deaths
 - Median age 12 (2 months – 45 years)
 - Vaccinated: (74/88) 84%
 - Not Vaccinated: (12/88) 14%
 - CFR: (3/88) 3%

Grand Gedeh County: Tchien, Konobo, Bhai, and Gbao Districts (Situation update from 10th March–18th September 2022)

- 👉 Five (5) new case were reported from Konobo (2), Cavalla (1), Putu (1), and Gbao (1) Districts
- 👉 A total of 100 cases have been confirmed
 - Median age 6 (6 months-35 years)
 - Vaccinated (29/100) 29%
 - Not Vaccinated: (38/100) 38%

Sinoe: Gblonee, Dugbeh River, Kpanyan, and Jedepo Districts (Situation update from 19th May - 18th September 2022)

- 👉 Two (2) new case was reported from Kpanyan and Gblonee Districts
- 👉 A total of 117 cases have been confirmed
 - Median age 6 (2 months-38 years)
 - Vaccinated: (76/117) 65%
 - Not Vaccinated (18/117) 15%

River Gee: Chedepo and Potupo Districts (Situation update from 29th June - 18th September 2022)

- 👉 No new case was reported
- 👉 A total of 10 cases have been confirmed
 - Median age 10 (9months-48 years)
 - Vaccinated: (6/10) 60%
 - Not Vaccinated: (2/10) 20%



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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

- 📁 Nationwide Measles campaign completed with 68% coverage (age 6-59 months)

V. Laboratory

- Three hundred ninety-eight (398) 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 case reported
- 📁 Cumulatively, ninety-three (93) cases have been reported
 - 61 tested negatives
 - 32 pending testing

Neonatal Tetanus

- 📁 Two (2) cases reported from Grand Bassa and Montserrado Counties
- 📁 Cumulatively, forty-two (42) clinically diagnosed cases reported

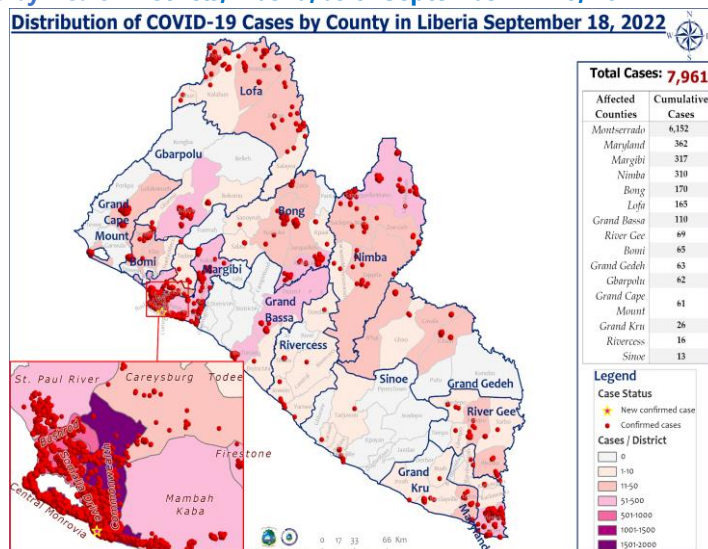
Influenza-Like Illnesses

Coronavirus Disease (COVID-19)

Outbreak

- ✍ Fifteen (15) new confirmed cases were reported from Montserrado (14), and Bomi (1) Counties
- ✍ A total of one thousand forty-one (1,056) confirmed cases have been reported since epi week 1
- ✍ Cumulatively, seven thousand nine hundred sixty-one (7,961) 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 12-18, 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

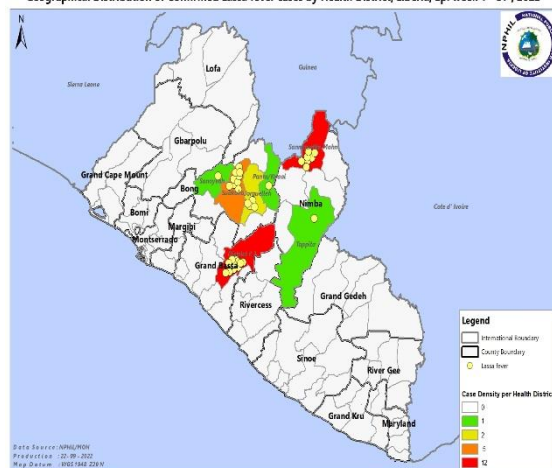
- ✍ Zero cases were reported
- ✍ Specimens collected and pending testing
- ✍ Cumulatively, twenty-eight (28) cases have been reported

Viral Hemorrhagic Diseases

Lassa fever

- ✍ Five (5) suspected cases were reported from Bong (2) and Grand Bassa (1 dead), Nimba (1), and Montserrado (1) Counties
- ✍ Specimens collected: 2 tested positive, 2 negative and 1 pending
- ✍ Cumulatively, one hundred seventeen (117) suspected cases have been reported including 19 deaths
 - Thirty-eight (38) confirmed cases were recorded including 13 deaths
 - Seventy-five (75) negatives
 - Case Fatality Rate: (13/38) 34%
 - Proportion of suspected cases with sample collected (116/117) 99%
 - Proportion of suspected cases with sample tested (113/116) 97%
 - 2 samples rejected

Geographical Distribution of Confirmed Lassa fever cases by Health District, Liberia, Epi week 1 - 37, 2022



Geographical distribution of confirmed Lassa fever cases by Health District, Liberia, Epi-week 1-37, 2022



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- 1 not collected

Outbreak

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

- 👉 Two new confirmed cases were reported from Grand Bassa and Bong Counties
- 👉 Ninety-one (91) contacts generated and under 21 days' follow-up
- 👉 Cumulatively, thirty-eight (38) laboratory-confirmed cases including 12 deaths reported (CFR=33%)

Grand Bassa: District #3 A&B

- 👉 One new confirmed case reported from District #3A&B
- 👉 The confirmed case was 24 years old, six months pregnant from compound #3 located in District 3A&B
- 👉 Onset of symptom was September 10, 2022, and presented with fever ($>38.5^{\circ}\text{C}$), bleeding from orifice, malaise, vomiting, and myalgia.
- 👉 The case sought treatment at LAC hospital on September 12, 2022 and was immediately isolated with Ribavirin treatment initiated
- 👉 Specimen was collected on September 12, 2022, and sent September 13, 2022 to the National Public Health Reference for testing
- 👉 The case died September 15, 2022 at the LAC hospital
- 👉 The specimen got tested on September 16, 2022 and positive Lab. results released to the county on the same day
- 👉 Cumulatively, thirteen (13) confirmed cases since this year
 - CFR (4/13) 31%
- 👉 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

- 👉 One new confirmed case reported
- 👉 The confirmed case is a 36 years old male residence of Sinyea Town located in Suakoko District
- 👉 Onset of symptom was September 7, 2022, and presented with fever, headache, weakness, poor appetite, body pain and swollen face
- 👉 The case sought treatment at Phebe hospital Emergency room on September 14, 2022
- 👉 Specimen was collected September 14, 2022 and sent to the Public Health Reference Laboratory the same day
- 👉 The specimen got tested September 16, 2022 and positive Lab. results released to the county on the same day
- 👉 Cumulatively, fifteen (15) confirmed cases since this year
 - CFR: (3/15) 20%
- 👉 Districts reported confirmed cases since this year
 - Suakoko District: 10 cases and 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



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📁 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

Nimba: Sanniquellie-Mah District

- 📁 No new confirmed case
- 📁 Cumulative confirmed cases: ten (10)
 - CFR (3/10) 30%
- 📁 Cumulative contacts generated: 174 contacts
 - 104 contacts completed monitoring while 70 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

Yellow fever

- 📁 Zero case reported
- 📁 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)

- 📁 Six (6) suspected cases were reported from Grand Kru County (1), Grand Gedeh (1), Bong (1), Maryland (1), Grand Bassa (1), and Nimba (1) Counties
- 📁 Three (3) specimen was collected and pending testing
- 📁 Cumulatively, three hundred forty-six (346) suspected cases reported
- 📁 One hundred sixty-eight (168) specimens collected; 142 received by the lab
 - 112 tested negatives
 - 1 positive (Grand Gedeh)
 - 11 rejected
 - 18 specimens not tested

Severe Acute Watery Diarrhea (Suspected Cholera)

- 📁 Five (5) suspected cases were reported from Maryland (3), Grand Kru (1), and River Gee (1) Counties
- 📁 Three (3) specimens were collected and pending testing
- 📁 Cumulatively, two hundred sixty-three (263) suspected cases reported
 - 148 specimens collected; 100 received by the lab
 - 70 tested negatives
 - 5 rejected
 - 25 specimens not tested

Other Reportable Diseases

Animal bite (Human Exposure to Rabies)

- 📁 Thirty-two (32) animal bite cases were reported: Nimba (6), Grand Gedeh (4), Grand Bassa (4), Lofa (3), River Gee (2), Grand Kru (2), Bong (2), Maryland (2), Rivercess (2), Margibi (1), Montserrado (1), Bomi (1), Grand Cape Mount (1), and Sinoe (1) Counties
- 📁 Persons received Post Exposure Prophylaxis (PEP) (8/32) 29%
- 📁 Cumulatively, one thousand five hundred thirty-four (1,534) animal bite cases reported
 - Dog bites account for 100%
 - 1-4 doses (PEP) administered to (279/1,534) 18% of patients



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Public Health Actions

- 📁 Administration of post-exposure prophylaxis
- 📁 Cases Jointly Investigated
- 📁 Quarantined suspected rabid dog
- 📁 Ongoing monitoring and follow-up of cases

Meningitis

- 📁 Zero case reported
- 📁 Cumulatively, twenty-four (24) suspected cases reported
- 📁 One (1) confirmed

Monkeypox

- 📁 Three (3) new suspected case was reported from Grand Bassa, Montserrado, and Bomi Counties
 - Two (2) specimens were collected and tested negative
- 📁 Cumulatively, forty-five (45) suspected cases reported

Events of Public Health Importance

Maternal Mortality

- 📁 Eight (8) deaths were reported from Montserrado (4), Margibi (1), Lofa (1), Sinoe (1) and Rivercess (1) Counties
 - Cause of death: Postpartum hemorrhage (3), Sepsis (2), Anemia (1), Hypovolumenic shock (1), and pending review (1)
- 📁 Reporting site:
 - Health facility (5/8) 63%
 - Community (3/8) 38%
- 📁 Cumulatively, two hundred twenty-three (223) deaths have been reported
 - Proportion of deaths reviewed (49/223) 22%
 - Proportion of community deaths (22/223) 10%
 - Proportion of community deaths reviewed: (8/22) 36%

Neonatal Mortality

- 📁 Twelve (12) deaths were reported: Lofa (2), Grand Gedeh (2), Grand Kru (1), Margibi (1), Maryland (1), Grand Bassa (1), Montserrado (1), Bomi (1), Sinoe (1), and Nimba (1) Counties
 - Causes of death: Birth asphyxia (5), Sepsis (3), Preterm (1), Hypohia ischemic encephalopathy (HIE) (1) and Pending review (2)
- 📁 All deaths occurred at the health facility
- 📁 Cumulatively, five hundred eighty-four (584) deaths have been reported
- The proportion of deaths reviewed (60/584) 10%
 - Proportion of community deaths (24/584) 4%
 - Proportion of deaths reviewed from the community (8/24) 33%

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

- 📁 Seven (7) cases were reported: Lofa (4), and Sinoe (3) Counties
 - Related vaccines:
 - COVID-19 (6/7) 86%
 - TCV (1/7) 14%
- 📁 Cumulatively, four hundred six (406) events were reported with (273/406) 67% related to COVID-19
- 📁 Proportion of COVID-19 vaccine
 - J&J vaccine – (213/273) 78%
 - AstraZeneca – (6/273) 2%
 - Pfizer – (54/273) 20%
- 📁 Proportion of other vaccine-related events – (133/406) 33%



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- Measles Vaccine – (78/133) 59%
- Penta – (23/133) 17%
- Others- (32/133) 24%

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 37, 2022

☞ A total of 4,460 travelers were recorded for the week with incoming travelers accounting for 51% (2,278/4,460)

Type of Ports	Point of Entry	Weekly total	Arrival	Departure	Total travelers with YB	Yellow Book Damage	Card Replaced	Vaccinated against YF & Issued book	Alerts detected/ Verified	COVID-19 Reactive	Evidence of COVID-19 vaccination card/certificate
Airport	James S. Paynes	96	55	41	96	0	0	0	0	0	15
	Robert Int'l Airport	3081	1469	1612	3060	17	0	4	0	0	3059
Seaport	Freeport of Monrovia	200	100	100	200	0	0	0	0	0	200
	Buchanan Port	120	60	60	120	0	0	0	0	0	120
Land Crossing	Bo Water Side	523	339	184	500	23	0	0	0	0	69
	Ganta	215	139	76	210	5	0	0	0	0	58
	Yekepa	118	67	51	107	9	2	0	0	0	32
	Loguatu	107	49	58	102	5	0	0	0	0	22
Total		4,460	2,278	2,182	4,395	59	2	4	0	0	3,575

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Measles	A	1	3	0	13	0	5	7	5	6	2	40	11	4	0	2	99	7,195	437
		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	1	0	0	0	0	0	0	10	0	0	0	0	11	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	0	0	0	0	0	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	2	0	0	0	0	0	0	0	0	1	1	0	0	0	4	94	24
		D	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	18	12
Influenza-Like Illnesses	COVID-19	A	1	0	0	0	0	0	0	0	0	0	14	0	0	0	0	15	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	28	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	1	0	1	0	1	1	0	0	1	0	1	0	0	0	6	340	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	0	1	0	0	3	0	0	0	1	0	5	258	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	0	0	0	0	1	1	0	4	0	1	0	1	8	215	
	Neonatal Mortality	D	1	0	0	1	0	2	1	2	1	1	1	1	0	0	1	12	572	
	Adverse Events Following Immunization (AEFI)	A	0	0	0	0	0	0	0	4	0	0	0	0	0	0	3	7	399	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	1	0	0	0	0	0	0	1	0	0	0	0	3	42	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	1	2	0	4	1	4	2	3	1	2	1	6	2	2	1	32	1,501	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	24	1
		D	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
		D	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
		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			5	8	0	22	1	12	12	15	9	9	72	20	7	3	8	204	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.