



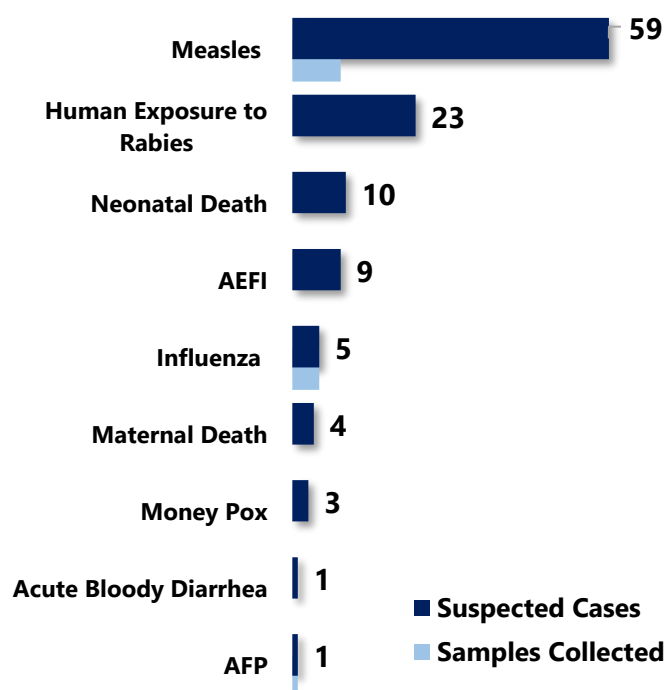
Liberia IDSR Epidemiology Bulletin

Epi-week 48 (November 28-Dec 4, 2022)

Country Population: 5,104,413 | Volume 17 Issue 48 | Nov 28– Dec 4, 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 115 events** of public health importance including **14 deaths** were reported
- ♦ **Completeness and timeliness** of health facility reports were both **100%** respectively
- ♦ **Ongoing Lassa fever** outbreak in **4** 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 48, 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	99	99
Lofa	66	66	66	100	100
Margibi	68	68	68	100	100
Maryland	27	27	27	100	100
Montserrado	326	326	324	100	99
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	866	100	100

868(100%)
Health facilities reported IDSR data

93 (100%)
Health districts reported IDSR data

866(100%)
Health facilities reported timely IDSR data

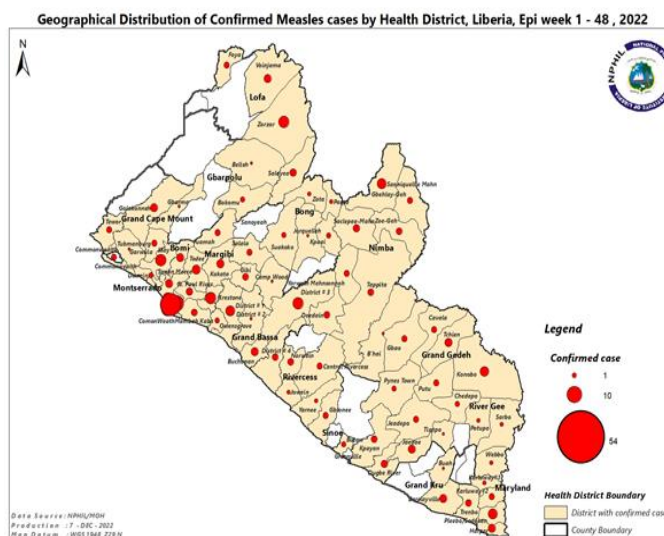
- ♦ The national target for weekly IDSR reporting is 80%. Health facility timeliness is monitored at the health district level
- ♦ All counties submitted weekly IDSR reports to the national level on time

Legend: ≥80 <80

Vaccine-Preventable Diseases

Measles

- ✍ Fifty-nine (59) suspected cases were reported: Montserrado (17), Maryland (13), Grand Kru (8), Nimba (5), Grand Gedeh (4), Bassa (3), River Gee (2), Bong (2), Margibi (2), Sinoe (1), Bomi (1), and Lofa (1), Counties
- ✍ Nine (9) specimens collected and pending testing
- ✍ Vaccination status among suspected cases
 - Vaccinated: (17) 29%
 - Not vaccinated: (24) 41%
 - Unknown: (18) 31%
- ✍ Age distribution among suspected cases
 - < 5 years: (25) 42%
 - ≥5 years: (34) 58%
- ✍ Cumulatively, eight thousand four hundred fifty-eight (8,458) suspected cases have been reported including 84 deaths
 - (7,874) 93% confirmed:
 - ✓ Laboratory confirmed: (488/7,874) 6%
 - ✓ Clinically compatible: (580/7,874) 7%
 - ✓ Epidemiologically linked: (6,808/7,874) 86%
 - Non-measles discarded: 584
 - ✓ 58 tested positive for Rubella
- ✍ Proportion of samples collected: (1,358/8,458) 16%
- ✍ Proportion of samples tested: (1,072/1,358) 79%
- ✍ CFR: (84/7,874) 1.1%



Outbreak

Measles: (Situation update from 13th December 2021- 4th December 2022)

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

- ✍ Seventeen (17) new cases were reported from Bushrod (11), Commonwealth (3), St Paul (2), and Central Monrovia (1) Districts
- ✍ A total of 4,228 cases have been confirmed including sixty-five (65) deaths
 - Median age 6 (1month-59years)
 - Vaccinated - (2,027/4,228) 48%
 - Not Vaccinated- (2,136/4,228) 50.5%
- ✍ CFR (65/4,228) 1.5%

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

- ✍ Two (2) new cases were reported from Salala
- ✍ A total of 365 cases have been confirmed including two (2) deaths
 - Median age 8 (1 month - 38 years)
 - Vaccinated - (250/365) 68%
 - Not vaccinated - (110/365) 30%
 - CFR (2/365) 0.5%

Lofa County: Voinjama, Foyah, Zorzor, and Salayea Districts (Situation update from 21st January- 27th November 2022)

- ✍ No new case was reported
- ✍ A total of 182 cases have been confirmed
 - Median age: 10 (2 months-46years)



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- Vaccinated: (166/182) 91%
- Not vaccinated: (16/182) 9%

Nimba County: Gbehlay-Geh, Sacleapea-Mah, Zoe-Geh, Tappita, Yarwin Mehnsonnoh, and Sanniquellie-Mah Districts (Situation update from 20th January-4th December, 2022).

👉 Five (5) new cases were reported from Gbehlay-Geh (2), Sanniquellie-Mah (1), Tappita (1), and Sacleapea-Mal (1) Districts

👉 A total of 730 cases have been confirmed including one death

- Median age 7 (2 months- 48years)
- Not Vaccinated: (487/730) 67%
- Vaccinated: (242/730) 33%
- CFR (1/730) 0.1%

Maryland County: Harper, Karluway II and Pleebo Districts (Situation update from 1st February- 4th December 2022)

👉 Thirteen (13) new cases were reported from Pleebo District

👉 A total of 280 cases have been confirmed

- Median age 7 (7 months-48 years)
- Vaccinated: (31/280) 11%
- Not Vaccinated: (249/280) 89%

Grand Bassa County: District #1, District #2, District # 3 A&B, and Buchanan Districts (Situation update from 22nd April -4th December 2022)

👉 Three (3) new cases were reported District # 4 District

👉 A total of 718 cases have been confirmed including 7 deaths

- Median age 7 (1 month-45 years)
- Vaccinated: (269/718) 37%
- Not Vaccinated: (442/718) 62%
- CFR (7/718) 1%

Bomi County: Klay, Senjeh, and Suehn Mecca Districts (Situation update from 14th March-4th December 2022)

👉 No new case was reported

👉 A total of 72 cases have been confirmed including 5 deaths

- Median age 7 (1 month-48 year)
- Vaccinated: (28/72) 39%
- Not Vaccinated: (39/72) 54%
- CFR (5/72) 7%

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

👉 Five (5) new cases were reported from Barclayville

👉 A total of 152 cases have been confirmed

- Median age 9 (53 months-18 years)
- Vaccinated: (116/152) 76%
- Not Vaccinated: (36/152) 24%

Rivercess: Doedain and Jowein Districts (Situation update from 16th March – 4th December 2022)

👉 No new case was reported

👉 A total of 76 confirmed cases have been confirmed including 1 death

- Median age 5 (6 months -36 years)
- Vaccinated: (18/76) 24%
- Not Vaccinated: (57/76) 75%
- CFR: (1/76) 1.3%



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Margibi County: Firestone, Gibi, Kakata, and Mamba Kaba Districts (Situation update from 21st February–4th December 2022)

- 👉 Two (2) new cases were reported from Firestone and Mamba Districts
- 👉 A total of 577 cases have been confirmed
 - Median age 6 (4 months - 67 years)
 - Vaccinated: (284/577) 49%
 - Not Vaccinated: (293/577) 51%

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

- 👉 No new case was reported
- 👉 A total of 117 cases have been confirmed including 3 deaths
 - Median age 12 (2 months – 45 years)
 - Vaccinated: (102/117) 87%
 - Not Vaccinated: (12/117) 10%
 - CFR: (3/117) 3%

Grand Gedeh County: Tchien, Konobo, B'hai, and Gbao Districts (Situation update from 10th March–4th December 2022)

- 👉 Two (2) new cases were reported from Konobo District
- 👉 A total of 135 cases have been confirmed
 - Median age 6 (6 months-35 years)
 - Vaccinated (48/135) 36%
 - Not Vaccinated: (87/135) 64%

Sinoe: Gblonee, Dugbeh River, Kpanyan, Jaedae, and Jedepo Districts (Situation update from 19th May – 4th December 2022)

- 👉 No new case was reported
- 👉 A total of 143 cases have been confirmed
 - Median age 6 (2 months-38 years)
 - Vaccinated: (71/143) 49.7%
 - Not Vaccinated (72/143) 50.3%

Public Health Response

I Coordination

- 👉 Ongoing monitoring of measles surveillance data with the provision of feedback to relevant stakeholders and developmental partners
- 👉 Measles case studies ongoing with support from AFENET/CDC-Liberia

II. Epidemiological Surveillance

- 👉 Active case search and line listing of cases ongoing

III. Case Management

- 👉 Isolation and treatment of cases ongoing

IV. Immunization

- 👉 Routine immunization intensified across the country targeting 9 to 23 months

V. Laboratory

- 👉 Four hundred eighty-eight (488) cases have been confirmed by the laboratory the 15 counties

VI. Risk Communication and Community Engagement

- Community engagement and health education continue in affected and surrounding communities



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VII. Challenges

- Lacked essential medications and medical supplies for case management
- Delay lab results from NPHRL
- specimen collection kit stocks out in Nimba County

Next steps

- To provide specimen collection kit for Nimba County
- 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 SOP

Continue social mobilization

Acute Flaccid Paralysis (AFP)

- 👉 One (1) case reported from Gbarpolu County
- 👉 Specimens was collected and shipped
- 👉 Cumulatively, one hundred-seven (107) cases have been reported
 - 106 specimens collected
 - 86 tested and 20 pending testing
 - 70 negative
 - 16 Non-polio enteroviruses (NPENT)

Neonatal Tetanus

- 👉 zero case reported
- 👉 Cumulatively, forty-nine (49) clinically diagnosed cases reported

Influenza-Like Illnesses

Coronavirus Disease (COVID-19)

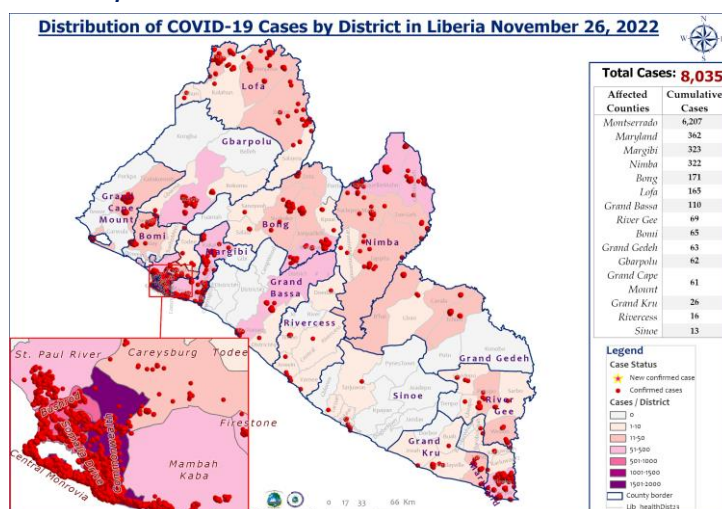
Outbreak

- 👉 Two (2) new confirmed cases were reported from Montserrado County
- 👉 A total of one thousand one hundred sixteen (1,116) confirmed cases have been reported since epi week 1
- 👉 Cumulatively, eight thousand (8,035) confirmed cases, including 294 deaths
 - 601 healthcare workers
- 👉 A total of 17,827 contacts have been generated
 - 1,772 healthcare workers

Public Health Actions

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

Figure 2: Geographical Distribution of Laboratory Confirmed COVID-19 Cases by Health Districts, Liberia, as of November 28-December 4, 2022





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Influenza Like Illnesses

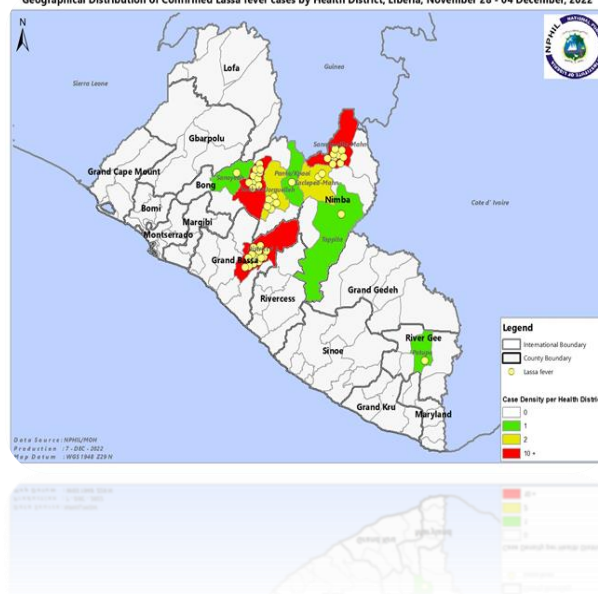
- 👉 Five (5) cases reported from Montserrado County
- 👉 Cumulatively, seventy-seven (77) cases have been reported

Viral Hemorrhagic Diseases

Lassa fever

- 👉 Zero case reported
- 👉 Cumulatively, one hundred eighty-three (183) suspected cases have been reported including 32 deaths
 - Sixty-seven (67) confirmed cases were recorded including 23 deaths
 - One hundred and ten (110) negatives
 - Case Fatality Rate: (23/67) 34%
 - Proportion of suspected cases with sample collected (182/183) 99%
 - Proportion of suspected cases with sample tested (177/182) 95%
 - 3 specimens rejected (inadequate specimen, wrong packaging, wrong collection tube)
 - 1 not collected

Geographical Distribution of Confirmed Lassa fever cases by Health District, Liberia, November 28 - 04 December, 2022



Outbreak

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

- 👉 No new confirmed case reported
- 👉 Eighty-four (84) contacts under 21 days' follow-up
- 👉 Cumulatively, sixty-seven (67) laboratory-confirmed cases including 23 deaths reported (CFR=34%)

Nimba County: Sanniquellie-Mah District

- 👉 Cumulative confirmed cases: Seventeen (17)
 - CFR (11/17) 65%
- 👉 Districts with confirmed cases since this year:
 - Sanniquellie-Mah: 13 cases (9 deaths)
 - Sacleapea-Mah: 3 cases (1 death)
 - Tappita: 1 case (dead)
- 👉 Cumulatively, 294 contacts including 187 HCWs have been generated since this year
 - Fifty-eight (58) contacts are currently under follow-up

Public Health Measures

- 👉 NPHIL and MOH providing technical support to the county
 - Health workers and visitors are encouraged to enhance IPC practices by regular washing of hands

River Gee County: Putopo District

- 👉 No new confirmed case reported
- 👉 Cumulative confirmed case: One
 - CFR (1/1) 100%
- 👉 Districts with confirmed cases since this year:



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- Putopo: 1 case (dead)

👉 Cumulatively, 14 contacts including 5 HCWs have been generated since this year

- Contacts went 20 days follow-up

Public Health Measures

👉 Infection Prevention Control

- Infection prevention control actively heighten at the health facility
- Ensure adherence to IPC practices by healthcare workers

👉 Case Management

- No case in isolation

👉 Surveillance

- All 14 contacts under monitoring and follow-up
- Active case searches ongoing in the affected communities and health facilities

Grand Bassa County: District #3A&B

👉 No new confirmed case reported

👉 Cumulative confirmed cases: Twenty-six (26)

- CFR (6/26) 23%
- All reported from District #3 A&B

👉 Cumulatively, 119 contacts including two healthcare workers were generated since this year

- Twelve (12) contacts are currently under follow-up

Public Health Measures

👉 NPHIL and MOH providing technical support to the county

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

Bong County: Suakoko District

👉 No new confirmed case reported

👉 Cumulative confirmed cases: Twenty-two (22)

- CFR: (5/22) 23%

👉 Districts that have reported confirmed cases since this year:

- Suakoko District: 17 cases (4 deaths)
- Jorquellah District: 3 cases (1 death)
- Sanoyea District: 1 case
- Kpaai District: 1 case

👉 Cumulatively, 214 contacts including 129 HCWs have been recorded

- Remaining twenty-four (24) contacts completed follow-up on December 6, 2022

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 isolated 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



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Yellow fever

- 👉 Zero suspected case reported
- 👉 Cumulatively, eighty-six (86) suspected cases have been reported
 - Proportion of suspected cases with samples collected (77/86) 90%
 - Proportion of suspected cases with samples not collected (9/86) 10%
- 👉 Samples collected and tested
 - Tested negative (60/77) 78%
 - Pending testing (12/76) 16%
 - Not transported (5/76) 6%

Ebola Virus Disease

- 👉 Zero suspected case reported
- 👉 Cumulatively, one (1) suspected case has been reported from Grand Cape Mount (tested Negative)

Diarrheal Diseases

Acute Bloody Diarrhea (Suspected Shigellosis)

- 👉 One (1) case was reported from Grand Gedeh County
- 👉 Specimen was collected but not transported
- 👉 Cumulatively, four hundred twenty-nine (429) suspected cases reported
- 👉 Two hundred fifteen (215) specimens were collected
- 👉 One hundred sixty-six (166) received by the lab
 - 11 rejected (inadequate specimen, wrong packaging)
 - 21 specimens discarded
 - 134 tested
 - 133 negatives
 - 1 positive (epi week 24, from Grand Gedeh county)

Severe Acute Watery Diarrhea (Suspected Cholera)

- 👉 Zero case was reported
- 👉 Cumulatively, three hundred fifty-four (354) suspected cases reported
 - Two hundred three (203) specimens collected
 - One hundred twenty-five (125) received by the lab
 - 5 rejected (inadequate specimen, wrong packaging, specimen not label)
 - 36 specimens discarded
 - 84 tested negatives

Other Reportable Diseases

Animal bite (Human Exposure to Rabies)

- 👉 Twenty- three (23) animal bite cases were reported: Maryland (6), Montserrado (5), Lofa (2), Nimba (2), Grand Bassa (3), Bomi (1), Sinoe (1), Grand Gedeh (1), Grand Kru (1), and Bong (1), Counties
 - Persons received Post Exposure Prophylaxis (PEP) (4/23) 17%
- 👉 Cumulatively, one thousand nine hundred sixty-eight (1,968) animal bite cases reported
 - Dog bites account for 99.9%
 - Snake bite account for 0.1%
 - 1-4 doses (PEP) administered to (382/1,968) 19% of patients

Public Health Actions

- 👉 Ongoing monitoring and follow-up of cases
- 👉 Quarantined (3/23) 13% of suspected rabid dogs



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Meningitis

- 📁 Zero suspected case reported
- 📁 Cumulatively, thirty-two (32) suspected cases reported with one (1) confirmed
 - Proportion of suspected cases with samples collected (18/32) 56%
 - Proportion of suspected cases with samples not collected (14/32) 44 %
 - Proportion of sample tested (13/18) 72%
 - Tested negative (12/13) 92%
 - Pending testing (4/32) 13%

Monkeypox

- 📁 Three (3) suspected case was reported from Lofa County
- 📁 Three Specimens were collected: 1 tested negative and 2 pending testing
- 📁 Cumulatively, fifty-nine (59) suspected cases reported with four (4) confirmed

Events of Public Health Importance

Maternal Mortality

- 📁 Four (4) deaths were reported from Nimba (2), Grand Bassa (1), and Bong (1) Counties
- 📁 Reported causes: Postpartum hemorrhage (3), and Malaria in Pregnancy (1)
- 📁 Reported sites:
 - Health facility: (2) 50% and community (2) 50%
- 📁 Cumulatively, two hundred sixty-four (264) deaths have been reported
 - Proportion of deaths reviewed (49/264) 19%
 - Proportion of community deaths (28/264) 11%
 - Proportion of community deaths reviewed: (8/28) 29%

Neonatal Mortality

- 📁 Ten (10) deaths were reported: Bong (4), Maryland (2), Nimba (1), Montserrado (1), Margibi (1), and Grand Gedeh (1) Counties
- 📁 Reported causes: Birth asphyxia (8), preterm (1), and neonatal sepsis (1)
- 📁 Reported sites:
 - Health facility: (10) 100%
- 📁 Cumulatively, seven hundred twenty-three (723) deaths have been reported
 - The proportion of deaths reviewed (79/723) 11%
 - Proportion of community deaths (32/723) 4%
 - Proportion of deaths reviewed from the community (8/32) 25%

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

- 📁 Nine (9) cases were reported: Grand Kru (7), Margibi (1), and Lofa (1) Counties
- 📁 Related vaccine:
 - Penta (5/9) 56%
 - COVID-19 (2/9) 22%
 - Tetanus (2/9) 22%
- 📁 Cumulatively, five hundred sixty-seven (567) events were reported with (398/558) 71% related to COVID-19
- 📁 Proportion of COVID-19 vaccine
 - J&J vaccine – (285/398) 72%
 - AstraZeneca – (6/398) 2%
 - Pfizer – (107/398) 27%
- 📁 Proportion of other vaccine-related events – (169/558) 30%



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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

☞ A total of 9,323 travelers were recorded for the week with incoming travelers accounting for 55% (5,092/9,323)

Table 2: Border activity at the PoE for Incoming and Outgoing Travelers, Liberia, Epi week 48, 2022

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	123	64	59	128	0	0	0	0	0	118
	Robert Int'l Airport	4440	2510	1930	4400	27	0	13	0	0	4433
Seaport	Freeport of Monrovia	200	100	100	200	0	0	0	0	0	200
	Buchanan Port	160	80	80	140	0	0	0	0	0	160
Land Crossing	Bo Water Side	801	406	395	751	34	0	16	0	0	750
	Ganta	213	123	90	200	13	0	0	0	0	197
	Yekepa	166	72	94	150	16	0	0	0	0	140
	Loguatu	126	59	67	0	0	0	0	0	0	115
	Yeala	559	379	180	0	0	0	0	0	0	170
	Kpazagizza	121	77	44	0	0	0	0	0	0	102
	Bolongoidu	270	106	164	0	0	0	0	0	0	230
	Lawalazu	493	295	198	0	0	0	0	0	0	200
	Safedu	180	70	110	0	0	0	0	0	0	169
	Konadu	77	22	55	0	0	0	0	0	0	60
	Foya Tengia	300	154	146	0	0	0	0	0	0	270
	Mendicoma	505	240	265	0	0	0	0	0	0	387
	Sorilumba	305	170	135	0	0	0	0	0	0	270
	Worsonga	290	165	125	0	0	0	0	0	0	234
Total		9,329	5,092	4,237	5,969	90	0	29	0	0	8,205

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

Public Health Measures

National level

- ☞ Completed CEBS training in three counties (River Gee, Grand Kru, and Maryland)
- ☞ Ongoing distribution of PEP
- ☞ Ongoing distribution of IPC materials to designated PoEs
- ☞ Conducted five days symposium working section to develop PoEs outbreak reporting tools
- ☞ 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	1	0	0	0	0	0	0	0	0	0	0	0	1	107	0	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Measles	A	1	2	0	3	0	4	8	1	2	13	17	5	0	2	1	59	8,397	488
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	84	0	
	Neonatal Tetanus	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	0	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	
	Yellow fever	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86	0	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Viral Hemorrhagic Diseases	Dengue fever	A	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	1	0	
	Ebola Virus Disease	A	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	1	0	
	Lassa fever	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	183	67	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	20	
Influenza-Like Illnesses	COVID-19	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8,014	8	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	294	
	Influenza Like Illnesses	A	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	5	77	0
		D	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	1	0	0	0	0	0	0	0	0	1	429	1	
		D	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	0	0	0	0	0	0	0	0	0	354	0	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Events of Public Health Interest	Maternal Mortality	D	0	1	0	1	0	0	0	0	0	0	2	0	0	0	4	264		
	Neonatal Mortality	D	4	0	0	0	0	1	0	0	1	2	1	1	0	0	10	723		
	Adverse Events Following Immunization (AEFI)	A	0	0	0	0	0	0	7	1	1	0	0	0	0	0	9	567	0	
		D	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	
		D	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	0	3	0	0	0	0	0	0	3	59	2	
		D	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	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Human Exposure to Rabies (Suspected Human)	A	1	1	0	2	0	1	1	2	0	6	5	2	0	0	1	22	1,968	0
		D	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	32	1	
		D	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	
		D	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	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL		7	7	2	5	8	3	13	7	11	17	23	20	11	6	8	148	21365	881.01	

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: $\geq 80\%$). The time requirement for weekly IDSR reports:
 - Health facility - required on or before 5:00 pm every Saturday to the district level
 - Health district - required on or before 5:00 pm every Sunday to the county level
 - County - required on or before 5:00 pm 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.