



Liberia IDSR Epidemiology Bulletin

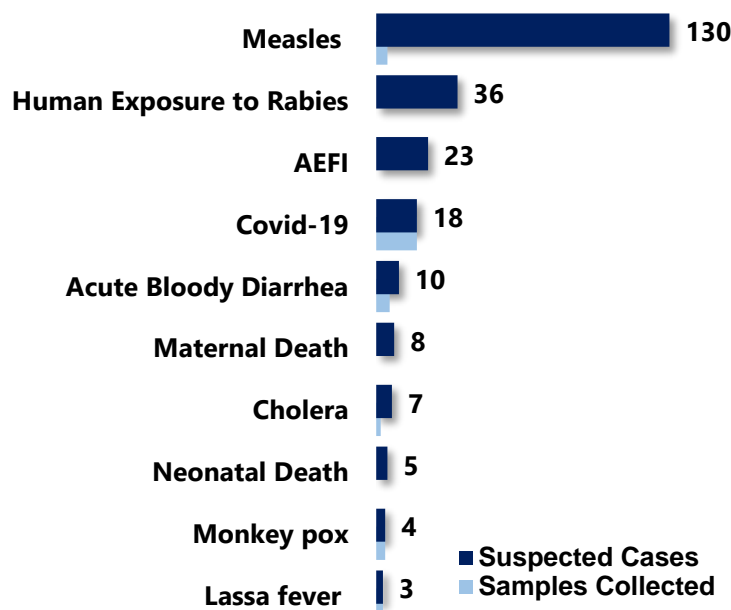
Epi-week 30 (July 25-31, 2022)

Country Population: 5,104,413 | Volume 14 Issue 30 | July 25-31, 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 244 events of public health importance including 17 deaths were reported
- ♦ Completeness and timeliness of health facility reports were 100% and 98%
- ♦ Ongoing Lassa fever outbreak in two counties
- ♦ Ongoing Measles outbreak in fifteen counties
- ♦ Eighteen (18) new confirmed COVID-19 cases reported from two Counties

*Adverse Events Following Immunization /Adverse Drug Reaction

Reporting Coverage

Table 1: Health Facility Weekly IDSR Reporting Coverage, Liberia, Epi Week 30, 2022

County	Expected from HF*	Reports	Reports Received	Received on Time	Completeness (%)	Timeliness (%)
Bomi	26	26	26	26	100	100
Bong	57	57	57	57	100	100
Gbarpolu	16	16	16	15	100	100
Grand Bassa	36	36	36	36	100	100
Grand Cape Mount	34	34	34	34	100	100
Grand Gedeh	24	24	24	24	100	100
Grand Kru	19	19	19	19	100	100
Lofa	66	66	66	66	100	100
Margibi	56	56	56	56	100	100
Maryland	27	27	27	27	100	100
Montserrado	326	326	326	326	100	100
Nimba	86	86	86	86	100	100
Rivercess	21	21	21	18	100	86
River Gee	20	20	20	20	100	100
Sinoe	37	37	37	37	100	100
Liberia	850	850	850	847	100	98

850 (100%)
Health facilities reported IDSR data

93 (100%)
Health districts reported IDSR data

850 (98%)
Health facilities reported timely IDSR data

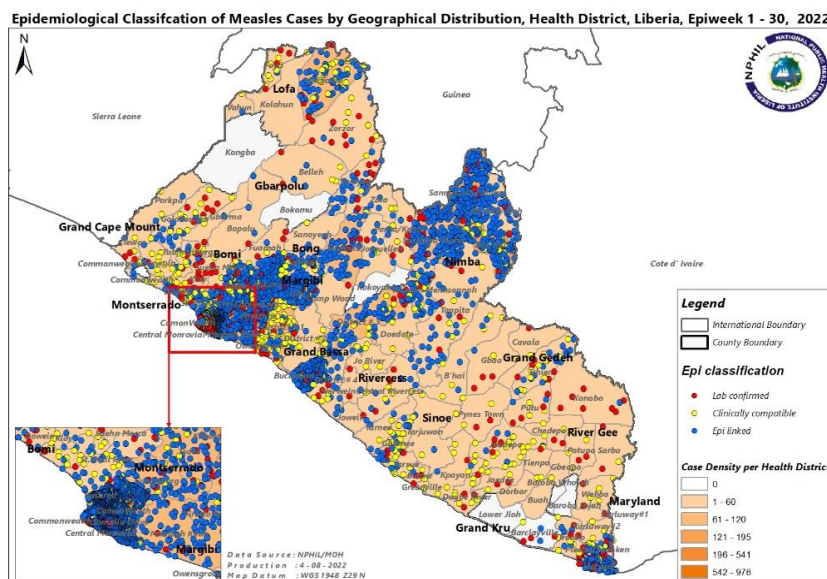
- ♦ The national target for weekly IDSR reporting is 80%. Health facility timeliness is monitored at health district level
- ♦ All counties submitted weekly IDSR reports to the national level on times.

Legend: ≥80 <80

Vaccine Preventable Diseases

Measles

- 👉 One hundred thirty (130) suspected cases reported: Montserrado (77 including two deaths), Maryland (10), Margibi (9), Grand Gedeh (6), Grand Bassa (6), Nimba (5), Grand Cape Mount (5), Bong (5), Sinoe (3), Gbarpolu (2), Grand Kru (1), and Lofa (1) Counties.
- 👉 Five (5) specimens collected and pending testing
- 👉 Vaccination status among suspected cases
 - Vaccinated: (79) 61%
 - Not vaccinated: (71) 55%
 - Unknown: (16) 12%
- 👉 Age distribution among suspected cases
 - < 5 years: (79) 61%
 - ≥ 5 years: (51) 39%
- 👉 Cumulatively six thousand two hundred thirty (6,230) suspected cases have been reported including 74 deaths
 - (5,783) 93% confirmed:
 - ✓ Laboratory confirmed: (394) 7%
 - ✓ Clinically compatible: (536) 9.5%
 - ✓ Epidemiologically linked: (4,856) 84%
 - Non-measles discarded: 447
 - ✓ 26 tested positive for Rubella
 - Proportion of samples collected: (977/6,230) 16%
 - Proportion of samples tested: (841/977) 86%
 - CFR: (74/5,783) 1.3%



Outbreak

Measles: (Situation update as of the 13th December 2021-31st July, 2022)

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

- 👉 Seventy-seven (77) new cases reported from Bushrod (47 including one death), Somalia Drive (10 including one death), Todee (6), Central Monrovia (6), St. Paul (4), Commonwealth (3), and Careysburg (1) Districts
- 👉 A total of 3,410 cases have been confirmed
 - Median age 6 (1month-59years)
 - Vaccinated - (1,617/3,410) 47%
 - Unknown - (40/3,410) 1%
 - CFR (62/3,410) 1.8%



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Bong County: Suakoko, Zota, Jorquelleh, Salala, and Panta Districts (Situation update as of 20th December 2021-31st July, 2022)

- 📁 Five new cases reported from Salala District
- 📁 A total of 210 cases have been confirmed including two (2) deaths
 - Median age 8 (1 month - 38 years)
 - Vaccinated - (36/210) 17%
 - Unknown - (86/210) 41%
 - CFR (2/210) 1%

Lofa County: Voinjama, Foyah, Zorzor and Salayea Districts (Situation update as of 21st January – 31st July, 2022)

- 📁 One (1) new case reported from Voinjama District
- 📁 A total of 149 cases have been confirmed
 - Median age: 10 (2 months-46years)
 - Vaccinated: (142/149) 95%
 - Unknown: (3/149) 2%

Nimba County: Gbehlay-Geh, Sacleapea-Mah, Zoe-Geh, Tappita, Yarwin Mehnsonnoh, and Sanniquellie-Mah Districts (Situation update as of 20th January-31st July, 2022)

- 📁 Five (5) new cases reported from Gbehlay-Geh (2), Yarwin Mehnsonnoh (2), and Sanniquellie-Mah (1) Districts
- 📁 A total of 564 cases have been confirmed
 - Median age 7 (2 months- 48years)
 - Vaccinated : (118/586) 20%
 - Unknown: (103/586) 17.6%

Maryland County: Harper and Pleebo Districts (Situation update as of 1st February- 31st July, 2022)

- 📁 Ten (10) new cases reported from Pleebo (3), and Harper (4) Districts
- 📁 A total of 156 cases have been confirmed
 - Median age 7 (7 months-48 years)
 - Vaccinated: (17/156) 11%
 - Unknown: (94/156) 60%

Grand Bassa County: District #1, District#2, District #3A&B, District #4, Owensgrove, and Buchanan Districts (Situation update as of 22nd April-31st July, 2022)

- 📁 Six (6) new cases reported from Buchanan (4), and District #4 (2), districts
- 📁 A total of 419 cases including one death have been confirmed
 - Median age 7 (1 month-45 years)
 - Vaccinated: (171/419) 41%
 - Unknown: (86/419) 21%
 - CFR (1/419) 0.2%

Bomi County: Senjeh, Suehn Mecca, Dowein, and Klay Districts (Situation update as of 7th March-31stJuly, 2022)

- 📁 No new case recorded
- 📁 A total of 58 cases have been confirmed including 4 deaths
 - Median age 7 (1 month-48 years)
 - Vaccinated: (28/58) 48.3%
 - Unknown: (19/58) 32.8%
 - CFR (4/58) 6.9%

Grand Kru: Trehn District (Situation update as of 14th March – 31st July, 2022)

- 📁 One (1) new case reported Trehn District
- 📁 A total of 19 cases confirmed



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- Median age 9 (53 months- 18 years)
- Vaccinated: (11/19) 61%
- Unknown: 0

Rivercess: Central C District (Situation update as of 16 March – 31st July, 2022)

- 👉 No new case reported
- 👉 A total 22 clinically confirmed cases have been recorded
 - Median age 5 (6 months -36 years)
 - Vaccinated: (5/22) 22.7%
 - Unknown: (14/22) 63.6%
 - CFR: (1/22) 4.5%

Margibi County: Firestone, Gibi, Kakata, and Mamba Kaba Districts (Situation update as of 28 February–31st July, 2022)

- 👉 Nine (9) new cases reported from Mamba Kaba (4), Firestone (3), Kakata (1), and Gibi (1) districts
- 👉 A total of 491 cases confirmed
 - Median age 6 (4 months - 67 years)
 - Vaccinated: (254/491) 52%
 - Unknown: (91/491) 19%

Grand Cape Mount County: Gola Konneh, and Garwula Districts (Situation update as of 10 March – 31st July, 2022)

- 👉 Five (5) new cases reported from Gola Konneh (3) and Garwula (2) districts
- 👉 A total of 69 cases have been confirmed
 - Median age 12 (2 months – 23 years)
 - Vaccinated: (54/69) 78.3%
 - Unknown (2/69) 2.9%
 - CFR: (3/69) 4%

Grand Gedeh County: Tchien, Konobo, and Gbao Districts (Situation update as of 10th March –31st July, 2022)

- 👉 Six (6) new cases reported from Tchien (5), and Konobo (1) districts
- 👉 A total of 62 cases have been confirmed
 - Median age 6 (6 months-35 years)
 - Vaccinated (26/62) 42%
 - Unknown: (17/62) 27%

Gbarpolu: Belle and Kongba Districts (Situation update as of 22nd February- 31st July, 2022)

- 👉 Two (2) new cases reported from Belle and Kongba districts
- 👉 A total of 15 cases have been confirmed
 - Median age 10 (1-24 years)
 - Vaccinated: (7/15) 47%
 - Unknown: (2/15) 13%

Sinoe: Gblonee, Dugbeh River, and Jedepo Districts (Situation update as of 19th May -31st July, 2022)

- 👉 Three (3) new cases reported from Kpanyan District
- 👉 A total of 94 cases have been confirmed
 - Median age 6 (2 months-38 years)
 - Vaccinated: (53/94) 56.4%
 - Unknown (23/94) 24.5%

River Gee: Chedepo and Putu Districts (Situation update as of 29th June- 31st July, 2022)

- 👉 No new case reported
- 👉 A total of 10 cases have been confirmed



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- Median age 10 (9months-48 years)
- Vaccinated: (8/10) 80%
- Unknown: 0

Public Health Response

I. Coordination

- 👉 Ongoing monitoring of measles surveillance data with 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 of cases ongoing

IV. Immunization

- 👉 **Phase 2** of the nationwide Measles campaign completed:

- Total children targeted- 313, 817
- Total children vaccinated- 281, 639
- Coverage-90%
- Age group 9-59 months
- Supported by WHO and UNICEF

- 👉 **Phase 1:**

- Total children targeted - 260,438
- Total children vaccinated - 109,258
- Coverage -42%
- Age group 9-35 months
- Supported by WHO and UNICEF

V. Laboratory

- Three hundred seventy-two (372) cases have been confirmed by laboratory from 62 health districts in 15 counties
- Lack of specimen collection kit in Grand Cape Mount County

II. VI. Risk Communication and Community Engagement

- Airing of measles prevention and control messages ongoing (Rivercess, Bomi and Lofa) counties

III. VII. Challenges

- Lacked of essential medications and medical supplies for case management
- No support for surveillance team for field work
- Delay lab result from NPHRL

IV. Next steps

- NPHIL/partners to procure essential drugs for case management
- Develop national Measles preparedness and response guide.
- Develop and validate national Measles and Rubella Surveillance guide.
- Develop and validate Measles SOP.
- Continue social mobilization

Acute Flaccid Paralysis (AFP)

- 👉 Zero case reported
- 👉 Cumulatively, seventy-four (74) cases have been reported

Neonatal Tetanus

- 👉 Zero case reported

☞ Cumulatively, thirty-three (33) clinically diagnosed cases reported

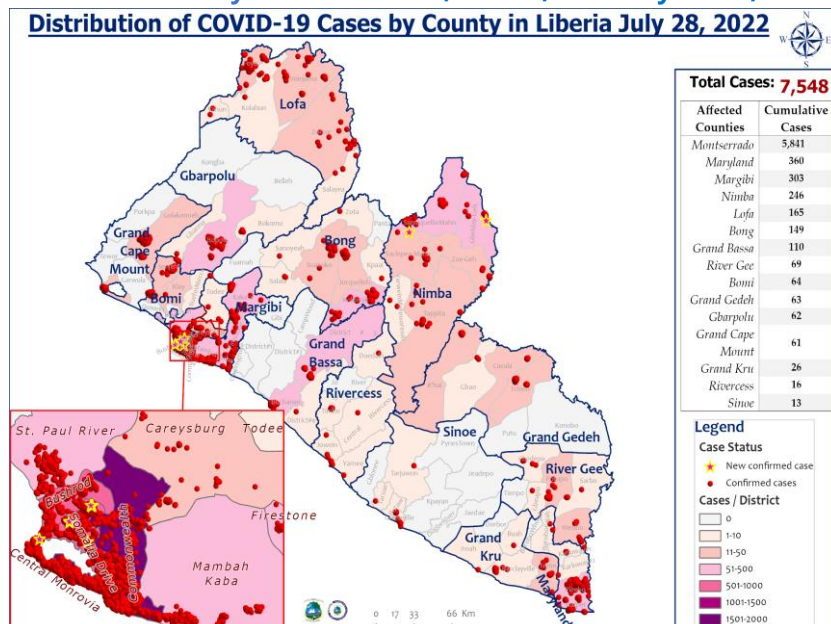
Influenza-Like Illnesses

Coronavirus Disease (COVID-19)

Outbreak

- ☞ Eighteen (18) new confirmed cases reported from Montserrado (16), and Nimba (2) Counties
- ☞ Twenty-seven (27) active cases were reported from Montserrado (25), and Nimba (2) Counties
- ☞ A total of six hundred forty-eight (648) confirmed cases have been reported since epi week 1
- ☞ Cumulatively, seven thousand five hundred forty-eight (7,548) confirmed cases recorded including 294 deaths.
 - 412 healthcare workers (including 8 deaths) reported with 17,657 contacts generated

Figure 2: Geographical Distribution of Laboratory Confirmed COVID-19 Cases by Health Districts, Liberia, as of July 25-31, 2022



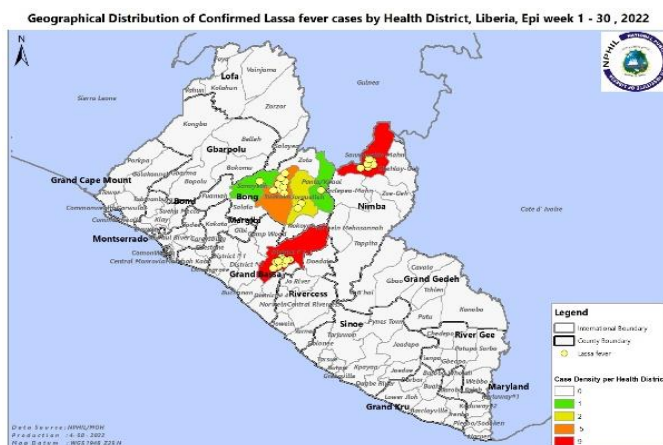
Public Health Actions

- ☞ Weekly IMS coordination meeting
On-going.
- ☞ 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 country of destination ongoing

Viral Hemorrhagic Diseases

Lassa fever

- ☞ Three (3) suspected cases reported from Montserrado (1 including one death), Maryland (1 including one death), and Grand Kru (1) Counties
- ☞ Specimens were collected and tested negative
- ☞ Cumulatively, ninety-five (95) suspected cases have been reported including 12 deaths
 - Thirty (30) confirmed cases recorded including 8 deaths
 - CFR: (8/30) 27%
 - Proportion of suspected cases with sample collected (95/95) 100%





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- Proportion of suspected cases with sample tested (91/95) 96%
- 2 samples rejected

Outbreak

Lassa fever disease: (sitrep update as of July 31, 2022)

- 📁 No new confirmed case reported
- 📁 All contacts have completed 21 days follow up
- 📁 Cumulatively, thirty-one (31) laboratory-confirmed cases including 8 deaths reported (CFR=25.8%)

Grand Bassa County: District #3 A&B

- 📁 No new confirmed case reported
- 📁 Cumulative cases: 11
 - CFR (2/11) 18%
- 📁 Cumulative contacts: 42
 - All contacts completed 21 days follow up

Public Health Measures

- 📁 Risk communication interventions
 - Ongoing community engagement
 - Encourage radio station (Radio Gorgelee) at LAC to air Lassa fever messages and jingles
- 📁 Surveillance
 - Active case search ongoing in the affected health district
 - Heighten surveillance in all districts
 - Daily sitreps shared regularly to national level

Bong County: Suakoko and Jorquelleh Districts

- 📁 No new confirmed case reported
- 📁 Cumulatively, thirteen (13) confirmed cases including (2) deaths (CFR 13.4%)
 - Suakoko District: 9 cases and 2 deaths
 - Jorquelleh District: 3 cases
 - Sanoyea District: 1 case
 - Kpaai District: 1 case
- 📁 Total of one hundred fifty-seven (157) contacts 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 to national level

Yellow fever

- 📁 Zero suspected case reported
- 📁 Cumulatively, fifty-five (55) suspected cases have been reported
 - Proportion of suspected cases with sample collected (49/55) 89%



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- Proportion of suspected cases with sample tested (45/55) 82%
- Samples pending testing (4/49) 8.2%

Diarrheal Diseases

Acute Bloody Diarrhea (Suspected Shigellosis)

- 📁 Ten (10) suspected cases reported from Maryland (2), Grand Gedeh (2), River Gee (1), Sinoe (1), Rivercess (1), Grand Kru (1), Lofa (1), and Nimba (1) Counties
- 📁 Six (6) specimen collected and pending testing
- 📁 Cumulatively, three hundred four (304) suspected cases reported
 - One hundred forty-five (145) specimens collected; 120 received by the lab
 - 95 tested negative
 - 1 positive (Grand Gedeh)
 - 11 rejected
 - 13 specimens not tested (discarded)

Severe Acute Watery Diarrhea (Suspected Cholera)

- 📁 Seven (7) suspected cases reported from Bong (4), Lofa (1), Maryland (1), and River Gee (1) Counties
- 📁 Two specimens were collected and pending testing
- 📁 Cumulatively, two hundred twenty-five (225) suspected cases reported
 - 119 specimens collected; 69 received by the lab
 - 55 tested negative
 - 5 rejected
 - 9 specimens not tested

Other Reportable Diseases

Animal bite (Human Exposure to Rabies)

- 📁 Thirty-six (36) animal bite cases were reported: Maryland (8), Grand Kru (8), Grand Gedeh (5), Nimba (4), Lofa (3), Margibi (2), Bong (2), Grand Cape Mount (1), Sinoe (1), Bomi (1), and Rivercess (1) Counties
 - Persons received Post Exposure Prophylaxis (PEP) (13/36) 36%
- 📁 Cumulatively, one thousand two hundred sixty (1,260) animal bite cases reported
 - Dog bites account for 100%
 - 1-4 doses (PEP) administered to about (216/1,260) 17% of patients

Public Health Actions

- 📁 Administration of post exposure prophylaxis
- 📁 Community mobilization and awareness ongoing with the use of mobile teams

Meningitis

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



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Monkey pox

- Four (4) suspected cases reported from Maryland, Bomi, Montserrado, and Lofa Counties
- Four specimens were collected: 1 tested positive and 3 pending
- Cumulatively, twenty-one (21) suspected cases reported
 - Two (2) confirmed

Outbreak

Monkey pox: (sitrep update as of July 31, 2022)

- Cumulatively, 2 cases reported
- Seven (7) contacts have been identified and under observation

Maryland County:

- No new confirmed case reported
- Cumulatively, 1 confirmed case reported and in isolation
- A total of 4 contacts including 2 health care workers have been generated

Bomi County:

- No new confirmed case reported
- Cumulatively, one (1) confirmed case reported and discharged
- A total of 3 contacts have been generated

Public Health Measures

- Risk communication interventions
 - Limited radio talk show
- Case management
 - Case in Maryland undergoing supported treatment
 - Case in Bomi discharged and monitor at home
- Surveillance
 - Active case search ongoing in the affected health districts
 - IPC materials have been distributed among health care worker
 - Heighten surveillance in all districts
 - Daily situational reports are shared regularly to national level

Events of Public Health Importance

Maternal Mortality

- Eight (8) deaths reported: Montserrado (3), Maryland (1), Grand Kru (1), Sinoe (1), Gbarpolu (1), and Nimba (1) Counties
 - Cause of death: Post-Partum Hemorrhage (6), Sepsis (1), and 1 pending review
 - Seven (7) deaths occurred at the health facility
 - One (1) deaths occurred in the community
- Cumulatively, one hundred eighty-eight (188) deaths have been reported
 - Proportion of deaths reviewed (49/188) 26.1%
 - Proportion of community deaths (18/188) 9.6%
 - Proportion of community deaths reviewed: (8/18) 44%



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Neonatal Mortality

- 👉 Five (5) deaths reported: Montserrado (3), Grand Cape Mount (1), and Gbarpolu (1) counties
 - Causes of death: Birth asphyxia (5)
 - All deaths occurred at the health facility
- 👉 Cumulatively, five hundred four (504) deaths have been reported
 - Proportion of deaths reviewed (60/504) 12%
 - Proportion of community deaths (19/504) 4%
 - Proportion of deaths reviewed from community (8/19) 42%

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

- 👉 Twenty-three (23) cases reported: Grand Bassa (14), Grand Kru (6), Grand Gedeh (2), and Maryland (1) Counties
 - Related vaccines:
 - Measles – 13
 - Typhoid Conjugate vaccine - 5
 - COVID-19 - 5
- 👉 Cumulatively: three hundred four (327) events reported with (225/327) 68% related to COVID-19
- 👉 Proportion of COVID-19 vaccine
 - J&J vaccine – (166/225) 73%
 - AstraZeneca – (6/225) 3%
 - Pfizer – (53/225) 24%
- 👉 Proportion of other vaccine related events – (104/327) 32%

Public Health Actions

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

Unexplained death

- 👉 Zero case reported

Border Surveillance Update

Table2: Border activity at the PoE for Incoming and Outgoing Travelers, Liberia, Epi week 30, 2022

👉 A total of 4,515 travelers recorded for the week with incoming travelers accounting for 49% (2,216/4,515)

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	85	40	45	85	0	0	0	0	0	20
	Robert Int'l Airport	3250	1502	1748	3215	28	3	4	0	0	3248
Seaport	Freeport of Monrovia	144	72	72	144	0	0	0	0	0	144
	Buchanan Port	110	55	55	110	0	0	0	0	0	38
Land Crossing	Bo Water Side	484	345	139	389	10	19	66	0	0	45
	Ganta	262	122	140	242	12	8	0	0	0	38
	Yekepa	91	43	48	74	17	0	0	0	0	29
	Loguatu	89	37	52	78	11	0	0	0	0	21
Total		4,515	2,216	2,299	4,337	78	30	70	0	0	3,583

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



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Public Health Measures

National level

- 👉 Providing technical, logistical, and financial support to counties
 - Production and publication of situational reports
 - Training of IDSR 3rd edition ongoing in Nimba and Lofa Counties
 - Influenza sentinel training ongoing in Bong and Nimba Counties
 - RRT district level training ongoing in Grand Cape Mount County
 - Conducted Simulation exercise in Grand Cape Mount County
- 👉 Operational Activity
 - Continued support for operational activities ongoing

County level

- 👉 **Surveillance**
 - Conducting Measles vaccination campaign
 - 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

Counties		Bomi	Bong	Gbarpolu	Grand Bassa	Grand Cape Mount	Grand Gedeh	Grand Kru	Lofa	Margibi	Maryland	Montserrado	Nimba	Rivercess	River Gee	Sinoe	Total Weekly	Cumulative Reported	Cumulative Lab-confirmed	
No. of Expected Health District		4	9	5	8	5	6	5	6	4	6	7	6	6	6	10	93			
No. of Health District Reported		4	9	5	8	5	6	5	6	4	6	7	6	6	6	10	93			
Vaccine Preventable Diseases	Acute Flaccid Paralysis (Suspected Polio)	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Measles	A	0	5	2	6	5	6	1	1	9	10	77	5	0	0	3	130	6,230	394
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74	0
	Neonatal Tetanus	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	0
		D	0	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	0	55	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	1	0	0	1	1	0	0	0	0	3	95	22
		D	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2	30	8
Influenza-Like Illnesses	COVID-19	A	0	0	0	0	0	0	0	0	0	16	2	0	0	0	18	630	7,529	
		D	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	2	1	1	0	2	0	1	1	1	1	10	304	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	4	1	0	0	0	0	0	0	1	0	0	0	1	0	7	225	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	1	0	0	1	0	0	1	3	1	0	0	1	8	188		
	Neonatal Mortality	D	0	0	1	0	1	0	0	0	0	3	0	0	0	0	5	504		
	Adverse Events Following Immunization (AEFI)	A	0	0	0	14	0	2	6	0	0	1	0	0	0	0	23	327	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	1	0	1	1	0	0	0	0	4	21	0	
		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	0	1	5	8	3	2	8	0	4	1	0	1	36	1,260	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
	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		2	11	5	20	7	15	18	6	11	26	102	13	2	2	6	246	10078	8249	

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.