



Liberia IDSR Epidemiology Bulletin

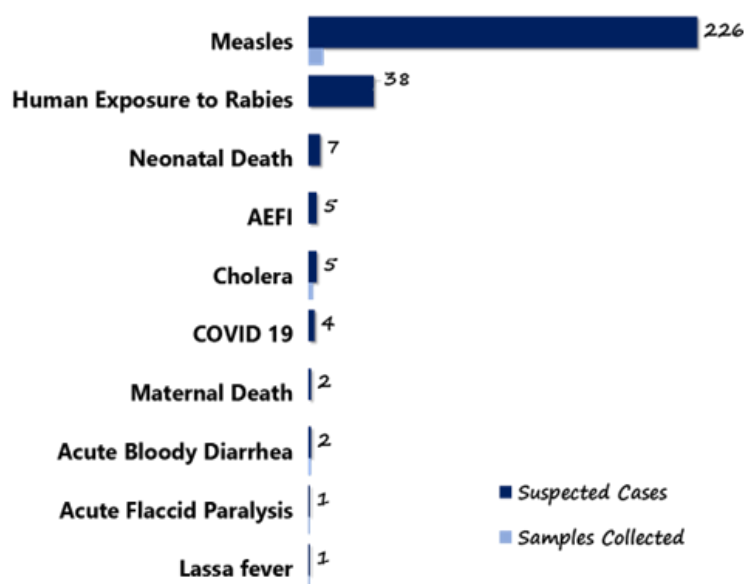
Epi-week 28 (July 11-17, 2022)

Country Population: 5,104,413 | Volume 14 Issue 28 | July 11-17, 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 291 events of public health importance including 11 deaths were reported
- ♦ Completeness and timeliness of health facility reports were 100% and 99%
- ♦ Ongoing Lassa fever outbreak in two counties
- ♦ Ongoing Measles outbreak in fourteen counties
- ♦ Four (4) 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 28, 2022

County	Expected from HF*	Reports	Reports Received	Received on Time	Completeness (%)	Timeliness (%)
Bomi	26		26	26	100	100
Bong	57		57	57	100	100
Gbarpolu	16		16	15	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	19		19	19	100	100
Lofa	66		66	66	100	100
Margibi	56		56	56	100	100
Maryland	27		27	27	100	100
Montserrado	326		326	326	100	100
Nimba	86		86	86	100	100
Rivercess	21		21	21	100	86
River Gee	20		20	20	100	100
Sinoe	37		37	37	100	100
Liberia	850		850	850	100	99

850 (100%)
Health facilities reported IDSR data

93 (100%)
Health districts reported IDSR data

850 (99%)
Health facilities reported timely IDSR data

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

Legend:

≥80 <80

Vaccine Preventable Diseases

Measles

Two hundred twenty-six (226) suspected cases including 2 deaths reported from Montserrado and Rivercess: Montserrado (137 including 1 death), Grand Bassa (25), Nimba (24), Margibi (12), Maryland (8), Rivercess (4 including 1 death), Bong (4), Grand Gedeh (3), Lofa (2), Sinoe (2), Grand Cape Mount (2), River Gee (2), and Grand Kru (1) Counties.

Nine (9) specimens collected and pending testing

Vaccination status among suspected cases

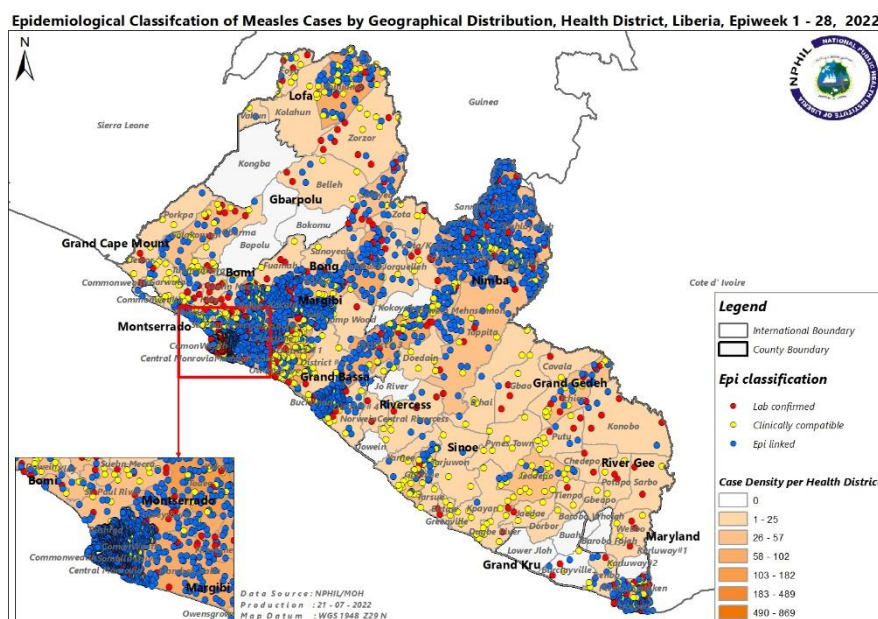
- Vaccinated: (99) 43.8%
- Not vaccinated: (100) 44.2%
- Unknown: (27) 11.9%

Age distribution among suspected cases

- < 5 years: (139) 61.5%
- ≥5 years: (87) 38.5%

Cumulatively five thousand eight hundred ninety-nine (5,899) suspected cases have been reported including 69 deaths

- (5,456) 92% confirmed:
 - ✓ Laboratory confirmed: (389) 7%
 - ✓ Clinically compatible: (536) 10%
 - ✓ Epidemiologically linked: (4,531) 83%
- Non-measles discarded: 443
 - ✓ 26 tested positive for Rubella
- Rejected samples: 17
- Proportion of samples collected: (963/5,899) 16.3%
- Proportion of samples tested: (832/963) 86.4%
- CFR: (70/5,912) 1.2%



Outbreak

Measles: (Situation update as of the 13th December 2021-17th July, 2022)

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

One hundred thirty-five (135) new cases reported from Somalia Drive (48), Bushrod (47), St. Paul (17), Central Monrovia (8), Commonwealth (6), Todee (5), and Careysburg (4) Districts

A total of 3,190 cases have been confirmed



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- Median age 6 (1month-59years)
- Vaccinated - (1,533/3,190) 48%
- Unknown - (40/3,190) 1.3%
- CFR (59/3,190) 1.8%

Bong County: Suakoko, Zota, Jorquelleh, Salala, and Panta Districts (Situation update as of 20th December 2021- 17th July, 2022)

- 👉 Three (3) new cases reported from Salala District
- 👉 A total of 205 cases have been confirmed including two (2) deaths
 - Median age 8 (1 month - 38 years)
 - Vaccinated - (36/205) 18%
 - Unknown - (81/205) 40%
 - CFR (2/205) 1%

Lofa County: Voinjama, Foyah, Zorzor and Salala Districts (Situation update as of 21st January – 17th July, 2022)

- 👉 Two (2) new cases reported from Voinjama and Salayea Districts
- 👉 A total of 147 cases have been confirmed
 - Median age: 10 (2 months-46years)
 - Vaccinated: (140/147) 95%
 - Unknown: (3/147) 2%

Nimba County: Gbehlay-Geh, Sacleapea-Mah, Zoe-Geh, Tappita, Yarwin Mehnsonnoh, and Sanniquellie-Mah Districts (Situation update as of 20th January-17th July, 2022)

- 👉 Twenty-four (24) new cases reported from Sanniquellie-Mah (10), Gbehlay-Geh (6), Tappita (6), Zoe Geh (1), and Yarwin Mehnsonnoh (1) Districts
- 👉 A total of 559 cases have been confirmed
 - Median age 7 (2 months- 48years)
 - Vaccinated : (115/559) 20.6%
 - Unknown: (101/559) 18.1%

Maryland County: Harper and Pleebo Districts (Situation update as of 1st February- 17th July, 2022)

- 👉 Eight (8) new cases reported from Pleebo (6), and Harper (2) Districts
- 👉 A total of 139 cases have been confirmed
 - Median age 7 (7 months-48 years)
 - Vaccinated: (13/139) 9.4%
 - Unknown: (86/139) 61.9%

Grand Bassa County: District #1, District#2, District #3A&B, District #4, Owensgrove, and Buchanan Districts (Situation update as of 22nd April- 17th July, 2022)

- 👉 Twenty-six (26) new cases reported from Buchanan (12), District #4 (8), District #3 A&B (3), and Owensgrove (3) districts
- 👉 A total of 402 cases including one death have been confirmed
 - Median age 8 (1 month-45 years)
 - Vaccinated: (168/402) 41.8%
 - Unknown: (79/402) 19.7%
 - CFR (1/402) 0.2%

Bomi County: Senjeh, Suehn Mecca, Dowein and Klay Districts (Situation update as of 7th March- 17th July, 2022)

- 👉 One (1) new case recorded from Klay District
- 👉 A total of 56 cases have been confirmed including 4 deaths



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- Median age 7 (1 month-48 years)
- Vaccinated: (28/56) 50%
- Unknown: (19/56) 34%
- CFR (4/56) 7%

Grand Kru: Trehn District (Situation update as of 14th March – 17th July, 2022)

- 👉 One (1) new case reported Trehn District
- 👉 A total of 17 cases confirmed
 - Median age 9 (53 months- 18 years)
 - Vaccinated: (11/17) 65%
 - Unknown: 0

Rivercess: Central C District (Situation update as of 16 March – 17th July, 2022)

- 👉 Three (3) new cases including one death reported from Central C District
- 👉 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–17th July, 2022)

- 👉 Twelve (12) new cases reported from Firestone (5), Mamba Kaba (3), Kakata (3), and Gibi (1) districts
- 👉 A total of 467 cases confirmed
 - Median age 6 (4 months - 67 years)
 - Vaccinated: (248/467) 53%
 - Unknown: (85/467) 18%

Grand Cape Mount County: Gola Konneh, and Garwula Districts (Situation update as of 10 March – 17th July, 2022)

- 👉 Two (2) new cases reported from Tewor and Gola Konneh districts
- 👉 A total of 62 cases have been confirmed
 - Median age 12 (2 months – 23 years)
 - Vaccinated: (50/62) 80.6%
 - Unknown (2/62) 3.2%
 - CFR: (3/62) 4.8%

Grand Gedeh County: Tchien, Konobo, and Gbao Districts (Situation update as of 10th March –17th July, 2022)

- 👉 Three (3) new cases reported from Tchien (2), and B'hai (1) districts
- 👉 A total of 52 cases have been confirmed
 - Median age 6 (6 months-35 years)
 - Vaccinated (19/52) 36.5%
 - Unknown: (15/52) 28.8%

Gbarpolu: Belle and Kongba Districts (Situation update as of 22nd February- 17th July, 2022)

- 👉 No new case reported
- 👉 A total of 13 cases have been confirmed
 - Median age 10 (1-24 years)
 - Vaccinated: (5/13) 38.5%
 - Unknown: (2/13) 15.4%

Sinoe: Gblonee, Dugbeh River, and Jedepo Districts (Situation update as of 19th May -17th July, 2022)

- 👉 Two (2) new cases reported from Kpanyan District
- 👉 A total of 90 cases have been confirmed



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- Median age 6 (2 months -38 years)
- Vaccinated: (50/90) 55.6%
- Unknown (22/90) 24.4%

Public Health Actions

- Phase 2 of the nationwide immunization campaign is ongoing:
 - Target 313, 817 children
 - Age group 9-59 months from July 18-24, 2022
 - Supported by WHO and UNICEF
- Continue case management and follow up with home-based cases (Maryland and Rivercess) Counties
- Airing of measles prevention and control messages on going (Rivercess, Bong, and Lofa) Counties

Challenges

- Limited essential medications/ medical supplies for case management
- No support for response making it difficult to get information from the field (Bong)
- Limited specimen collection kits for measles (Margibi)

Acute Flaccid Paralysis (AFP)

- One (1) case reported from Lofa County
- Specimen was collected and shipped
- Cumulatively, seventy-three (73) cases have been reported

Neonatal Tetanus

- Zero case reported
- Cumulatively, thirty-one (31) clinically diagnosed cases reported

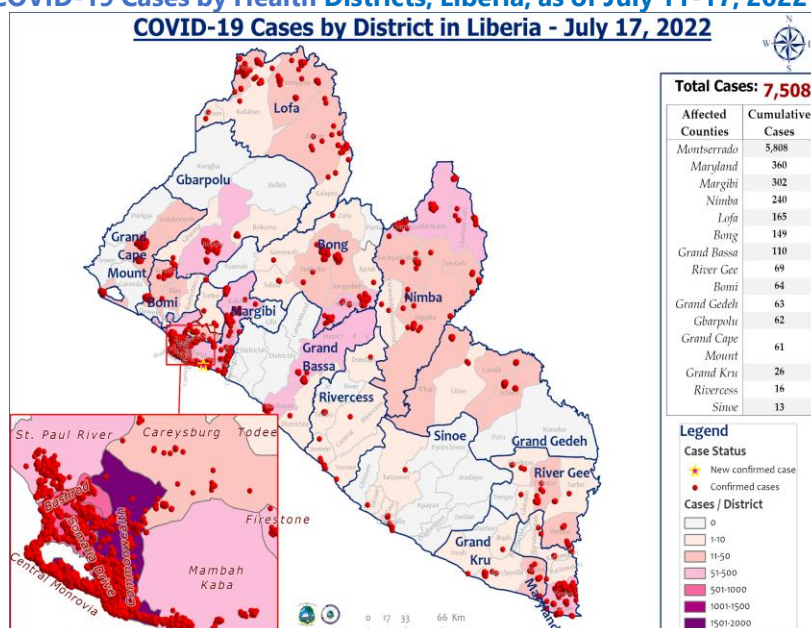
Influenza-Like Illnesses

Coronavirus Disease (COVID-19)

Outbreak

- Four (4) new confirmed cases reported from Montserrado (3) and Margibi (1) Counties
- Six (6) active cases were reported from Montserrado (4), and Margibi (2) Counties
- A total of six hundred nine (609) confirmed cases have been reported since epi week 1
- Cumulatively, seven thousand five hundred eight (7,508) 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 11-17, 2022
COVID-19 Cases by District in Liberia - July 17, 2022





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Public Health Actions

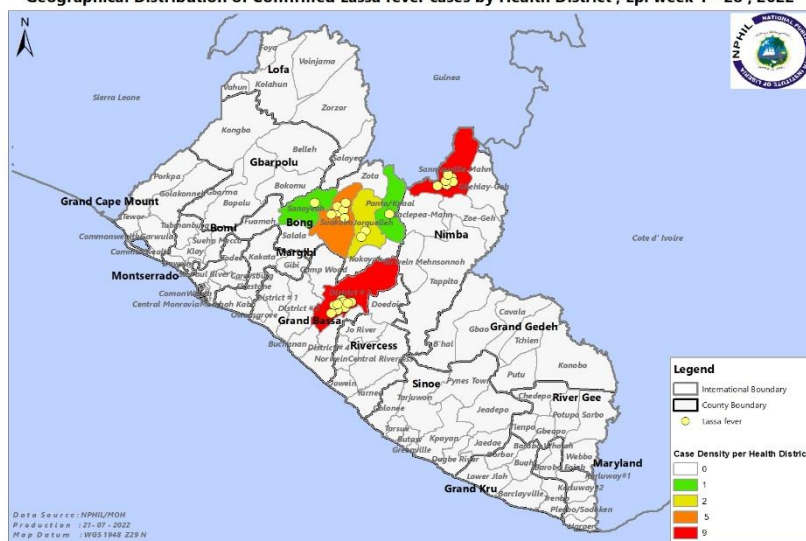
- Weekly IMS coordination meeting
 - On-going.
- Surveillance activities including active case search and case investigation on-going in affected county using WHO interim guidelines
- Case management ongoing for confirmed cases
- Compulsory testing among outgoing travelers as required by country of destination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

Viral Hemorrhagic Diseases

Lassa fever

- One (1) suspected case reported from Grand Bassa County
- Specimen collected and tested negative
- Cumulatively, eighty-eight (88) suspected cases have been reported including 10 deaths
 - Twenty-nine (29) confirmed cases recorded including 8 deaths
 - CFR: (8/29) 28%
 - Proportion of suspected cases with sample collected (88/88) 100%
 - Proportion of suspected cases with sample tested (86/88) 98%
 - 2 samples rejected

Geographical Distribution of Confirmed Lassa fever cases by Health District, Epi week 1 - 28, 2022



Outbreak

Lassa fever disease: (sitrep update as of June 19, 2022)

- No new confirmed case reported
- All contacts have completed 21 days follow up
- Cumulatively, twenty-nine (29) laboratory-confirmed cases including 10 deaths reported (CFR=34.5%)

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



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📁 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, twelve (12) confirmed cases including (2) deaths (CFR 17%)

- Suakoko District: 8 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 case reported

📁 Cumulatively, fifty-two (52) suspected cases have been reported

- Proportion of suspected cases with sample collected (46/52) 88.5%
- Proportion of suspected cases with sample tested (41/52) 79%

Diarrheal Diseases

Acute Bloody Diarrhea (Suspected Shigellosis)

📁 Two (2) suspected cases reported from Gbarpolu, and Lofa Counties

- Two (2) specimens collected and pending testing

📁 Cumulatively, two hundred ninety (290) suspected cases reported

- One hundred thirty-seven (137) specimens collected; 114 received by the lab
 - 94 tested negative
 - 1 positive (Grand Gedeh)



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- 11 rejected
- 8 specimens not tested (discarded)

Severe Acute Watery Diarrhea (Suspected Cholera)

👉 Five (5) suspected cases reported: Maryland (2), Bong (2), and River Gee (1) Counties

👉 Three (3) specimens were collected and pending testing

👉 Cumulatively, two hundred eleven (216) suspected cases reported

- 115 specimens collected; 67 received by the lab
- 53 tested negative
- 5 rejected
- 9 specimens not tested

Other Reportable Diseases

Animal bite (Human Exposure to Rabies)

Thirty-eight (38) animal bite cases were reported: Bong (8), Grand Kru (5), Lofa (4), Nimba (4), Maryland (4), Grand Cape Mount (3), Grand Bassa (3), Montserrado (2), Grand Gedeh (2), Rivercess (1), Margibi (1), and Bomi (1) Counties

- Persons received Post Exposure Prophylaxis (PEP) (9/38) 24%

👉 Cumulatively, one thousand one hundred ninety-nine (1,199) animal bite cases reported

- Dog bites account for 100%
- 1-4 doses (PEP) administered to about (195/1,199) 16.3% of patients

Public Health Actions

👉 Administration of post exposure prophylaxis

👉 Dogs and cats mini vaccination campaign ongoing in Montserrado County, to be extended to five counties: Bong, Gbarpolu, Nimba, Lofa, and Grand Cape Mount

👉 Community mobilization and awareness ongoing with the use of mobile teams

Meningitis

👉 Zero case reported

👉 Cumulatively, twenty-one (21) suspected cases reported

- One (1) confirmed

Monkey pox

👉 Zero case reported

👉 Cumulatively, fifteen (15) suspected cases reported, one (1) specimen collected pending shipment

Events of Public Health Importance

Maternal Mortality

👉 Two (2) deaths reported: Montserrado, and Lofa Counties

- Cause of death: Eclampsia (1), and Post-Partum Hemorrhage (1)
- Two (2) deaths occurred at the health facility

👉 Cumulatively, one hundred seventy-five (175) deaths reported

- Proportion of deaths reviewed (49/175) 28%



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- Proportion of community deaths (17/175) 10%
 - Proportion of community deaths reviewed: (8/17) 47%

Neonatal Mortality

- Seven (7) deaths reported: Montserrado (2), Bong (2), Grand Kru (1), Grand Bassa (1), and Maryland (1) counties
 - Causes of death: Birth asphyxia (4), and Sepsis (3)
 - All deaths occurred at the health facility
- Cumulatively, four hundred eighty-two (482) deaths have been reported
 - Proportion of deaths reviewed (60/482) 12%
 - Proportion of community deaths (18/482) 4%
 - Proportion of deaths reviewed from community (8/18) 44%

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

- Five (5) cases reported: Grand Kru (3), Maryland (1) and Grand Gedeh (1) Counties
 - Related vaccines:
 - COVID-19 (5/5) 100%
- Cumulatively: Two hundred sixty-six (266) events reported with (218/266) 82% related to COVID-19
- Proportion of COVID-19 vaccine
 - J&J vaccine – (163/218) 75%
 - AstraZeneca – (6/218) 3%
 - Pfizer – (49/218) 22%
- Proportion of other vaccine related events – (48/261) 18%

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 28, 2022

A total of 4,845 travelers recorded for the week with incoming travelers accounting for 49% (2,379/4,812)

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	60	36	24	60	0	0	0	0	0	7
	Robert Int'l Airport	3236	1535	1701	3215	0	15	6	0	0	3089
Seaport	Freeport of Monrovia	158	79	79	158	0	0	0	0	0	158
	Buchanan Port	40	20	20	40	0	0	0	0	0	40
Land Crossing	Bo Water Side	721	388	333	649	6	50	16	0	0	566
	Ganta	231	138	93	214	17	0	0	0	0	65
	Yekepa	195	89	106	189	4	2	0	0	0	39
	Loguatu	171	94	77	160	8	3	0	0	0	45
Total		4,812	2,379	2,433	4,685	35	70	22	0	0	4,009

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	1	0	0	0	0	0	0	0	1	31	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Measles	A	0	4	0	25	2	3	1	2	12	8	137	24	4	2	2	226	5,899	389
		D	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	2	69	0
	Neonatal Tetanus	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Yellow fever	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52	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	1	0	0	0	0	0	0	0	0	0	0	0	1	88	21
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	8
Influenza-Like Illnesses	COVID-19	A	0	0	0	0	0	0	0	0	1	0	3	0	0	0	0	4	609	7,508
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	294
Diarrheal Diseases	Acute Bloody Diarrhoea (Shigellosis)	A	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	2	290	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	2	0	0	0	0	0	0	0	2	0	0	0	1	0	5	216	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	0	0	1	0	0	0	0	2	175	
	Neonatal Mortality	D	0	2	0	1	0	0	1	0	0	1	2	0	0	0	0	7	482	
	Adverse Events Following Immunization (AEFI)	A	0	0	0	0	0	1	3	0	0	1	0	0	0	0	0	5	266	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	0	
Other Reportable Diseases	Monkeypox	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	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	8	0	3	3	2	5	4	1	4	2	4	1	0	0	38	1,199	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
	Meningitis	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	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			1	16	1	30	5	6	10	9	14	16	146	28	6	3	2	293	9455	8222

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.