



Liberia IDSR Epidemiology Bulletin

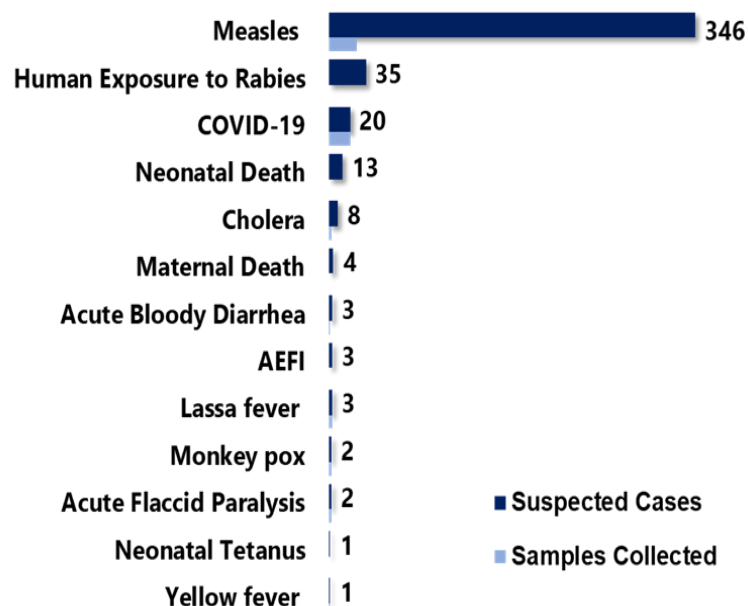
Epi-week 19 (May 9-15, 2022)

Country Population: 5,104,413 | Volume 14 Issue 19 | May 9-15, 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 **441** events of public health importance including **20** deaths were reported
- ♦ Completeness and timeliness of health facility reports were both **100%**
- ♦ **Ongoing Lassa fever** outbreak in two counties
- ♦ **Ongoing Measles** outbreak in thirteen counties
- ♦ **Twenty active cases Covid-19** in three counties

*Adverse Events Following Immunization /Adverse Drug Reaction

Reporting Coverage

Table 1: Health Facility Weekly DSR Reporting Coverage, Liberia, Epi Week 19, 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	15	15	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	23	23	23	100	100
Lofa	66	66	66	100	100
Margibi	56	56	56	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	856	856	854	100	100

856(100%)
Health facilities reported IDSR data

93 (100%)
Health districts reported IDSR data

856 (100%)
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.

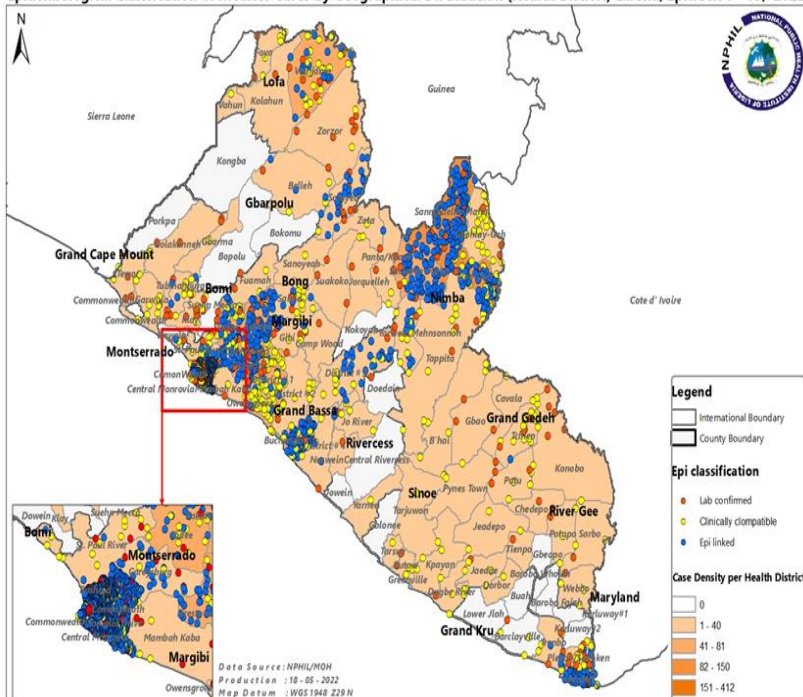
Legend: ≥80 <80

Vaccine Preventable Diseases

Measles

- ☞ Three hundred forty-six (346) suspected cases were reported Montserrado (197), Nimba (82), Grand Bassa (16), Lofa (10), Grand Gedeh (10), Bong (9), Margibi (7), Maryland (6), Bomi (3), Sinoe (3), Rivercess (2), and Grand Kru (1) counties
- ☞ Twenty-six (26) specimens were collected, nine (9) tested negative and 17 pending testing
- ☞ Vaccination status among suspected cases
 - Vaccinated: 167 (48%)
 - Not vaccinated: 157 (45%)
 - Unknown: 22 (6%)
- ☞ Age distribution among suspected cases
 - < 5 years: 217(63%)
 - ≥ 5 years: 129 (37%)
- ☞ Cumulatively, three thousand one hundred ninety-three (3,193) suspected cases have been reported including 33 deaths
 - Confirmed: 90% (2,863)
 - ✓ Laboratory confirmed: 312
 - ✓ Clinically compatible: 475
 - ✓ Epidemiologically linked: 2,076
 - Non-measles discarded: 330
 - Proportion of samples collected: 20% (642/3,193)
 - Proportion of samples tested: 97% (625/642)

Epidemiological Classification of Measles Cases by Geographical Distribution (Health District) Liberia, Epiweek 1 - 19, 2022



Outbreak

Measles: (Situation update as of the 13th December 2021-May 8, 2022)

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

- ☞ One hundred ninety-seven (197) new suspected cases including 3 deaths reported for the week
 - Bushrod (94), Somalia Drive (41), Commonwealth (35), Central Monrovia (18), Careysburg (4), Toddee (3), and St. Paul (2)
- ☞ A total of 1,749 cases line listed up to date
 - 108 lab confirmed
 - Age range 1 months-48 years
 - Death: 25
 - Death in lab confirmed: 2
 - CFR: 1.4% (25/1,749)

Vaccination status among lab confirmed:

- Vaccinated - 45% (49/108)
- Not vaccinated – 38% (41/108)
- Unknown - 17% (18/108)



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Bong County: Suakoko, Zota, Salala and Panta Districts

- 👉 Five (5) new suspected cases reported from Salala District for this week
- 👉 A total of 112 cases have been recorded including two (2) deaths
 - Ten (10) laboratory confirmed
 - Age range 5 months- 36 years
 - Vaccinated: 10% (1/10)
 - Not vaccinated: 40% (1/4)
 - Unknown: 50% (5/10)

Lofa County: Voinjama and Salala District

- 👉 Nine (9) new cases reported from Voinjama District
- 👉 A total of one hundred thirty-nine (139) suspected cases have been recorded
 - Twenty (20) laboratory confirmed
 - Age range 2 month-67 years
 - Vaccinated: 82% (18/22)
 - Unknown: 14% (3/22)
 - Not applicable: 5% (1/22)

Nimba County: Sacleapea-Mah, Zoe-Geh, Sacleapea Mah, Gbehlay-Geh, Yarwin Mehnsonnoh, and Sanniquellie-Mah Districts

- 👉 Eighty-two (82) new cases reported from Zoe-Geh (41), Sanniquellie-Mah (18), Sacleapea-Mah (11), Gbehlay-Geh (8), and Yarwin Mehnsonnoh (4) Districts
- 👉 A total of three hundred seventy-nine (379) cases line listed
 - Twenty-nine (29) laboratory confirmed
 - Vaccinated: 41% (12/29)
 - Not vaccinated: 34% (10/29)
 - Unknown: 24% (7/29)
 - Range 2 months-48years

Maryland County: Harper District

- 👉 Six (6) new case reported from Harper District
- 👉 A total of 90 cases have been recorded
 - Seventeen (17) laboratory confirmed
 - Vaccinated: 6% (1/17)
 - Non vaccinated: 12% (2/17)
 - Unknown: 82% (14/17)
 - Range 7 months-48 years

Grand Bassa County: District #1, District #2, District #3A & B, District #4 and Buchanan Districts

- 👉 Fifteen (15) new cases reported from Buchanan (13), and Owensgrove (2) District
- 👉 A total of 236 cases including one death have been recorded
- 👉 Twenty (20) laboratory confirmed
 - Vaccinated: 45% (9/20)
 - Not vaccinated: 40% (8/20)
 - Unknown: 10% (2/20)
 - Range 1 month-61 years
 - CFR: 0.4% (1/236)



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Bomi County: Suehn Mecca, Senjeh, Dowein and Klay Districts (Situation update as of 7 March- 8 May, 2022)

- 👉 Four (4) new cases recorded from Senjeh (2), and Dowein (2) districts
- 👉 A total of 56 cases have been recorded including 3 deaths
 - Nineteen (19) laboratory confirmed
 - Vaccinated: 42% (8/19)
 - Unknown: 53% (10/19)
 - Not applicable: 5% (1/19)
 - Range: 1 month-67 years
 - CFR in Lab. confirmed: 16% (3/19)

Grand Kru: Trehn District (Situation update as of 14 March -8 May, 2022)

- 👉 Zero new case reported
- 👉 A total of 17 suspected cases reported
 - Two (2) laboratory confirmed
 - Vaccinated: 100% (2/2)
 - Range 5 months-16 years

Rivercess: (Situation update as of 16 March -8 May, 2022)

- 👉 No new case reported from Joe River
- 👉 A total 8 suspected cases reported

Margibi County: Firestone, Kakata and Mamba Kaba Districts (Situation update as of 28 February -8 May, 2022)

- 👉 Eight (8) new cases reported from Firestone (4), Kakata (3), and Mamba Kaba (1), districts
- 👉 A total of 180 suspected cases reported
 - Twenty-eight (28) laboratory confirmed
 - Vaccinated: 75% (21/28)
 - Not vaccinated: 7% (2/28)
 - Unknown: 14% (4/28)
 - Range: 2 months-49 years

Grand Cape Mount County: Commonwealth District (Situation update as of 10 March - 15 May, 2022)

- 👉 Zero new case recorded
- 👉 A total of 30 cases have been reported
 - Nine (9) laboratory confirmed
 - Range 5 months – 22 years
 - Vaccinated: 88% (7/8)

Grand Gedeh County: Tchien District (Situation update as of 10 March -15 May, 2022)

- 👉 Eight (8) new cases reported from Tchien District
- 👉 A total of 61 cases have been reported
 - Nine (9) laboratory confirmed
 - Vaccinated: 78% (7/9)
 - Unknown: 33% (3/9)
 - Range 11 months-19 years
 - Vaccinated: 100% (6/6)



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Gbarpolu: Belleh District

- 👉 No new case reported
- 👉 A total of 24 suspected cases recorded
 - One laboratory confirmed
- 👉 Range 4-50 years
- 👉 Unknown Vaccination status

Public Health Actions

- 👉 Ongoing nation-wide measles campaign targeting 9 months to 3 years supported by WHO and UNICEF
- 👉 Active case search and community engagement ongoing in affected communities
- 👉 Case management ongoing

Challenges

- Lacked of essential medications for case management (Grand Kru Bomi, and Gbarpolu) counties
- Limited specimen collection kits (Margibi County)
- Limited medical supplies for case management

Influenza-Like Illnesses

Coronavirus Disease (COVID-19)

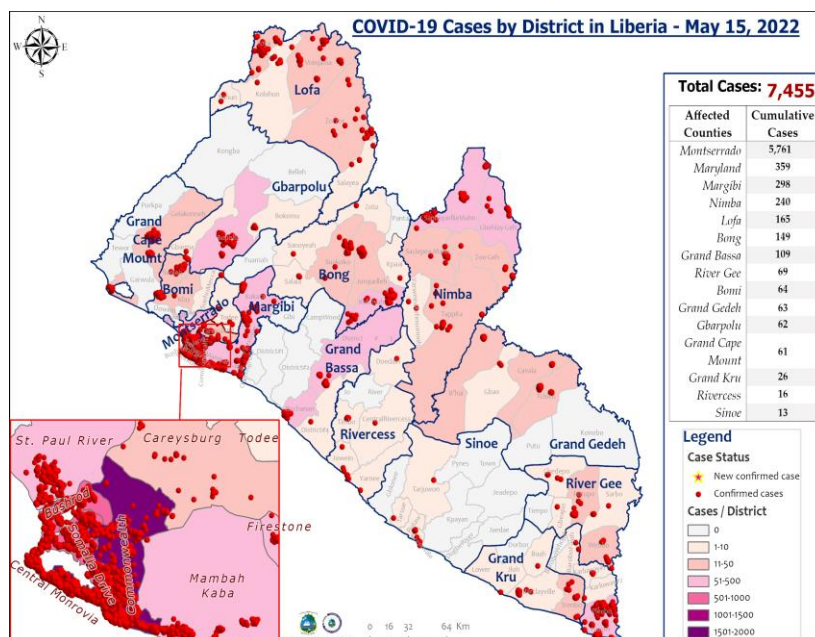
Outbreak

- 👉 Zero confirmed case reported
- 👉 Twenty (20) active cases were reported from Montserrado (18), Margibi (1), and Nimba (1) Counties
- 👉 A total of five hundred ninety-eight (598) confirmed cases have been reported since epi week 1
- 👉 Cumulatively, seven thousand four hundred fifty-five (7,455) confirmed cases recorded including 294 deaths 601 healthcare workers reported with 17,653 contacts generated

Public Health Actions

- 👉 Weekly IMS coordination meeting
On-going.
- 👉 Surveillance activities including active case search, contact tracing and case investigation on-going in affected counties using WHO interim guidelines
- 👉 Reinforcing hand washing in all public areas (markets, health facilities, public offices, checkpoints etc.)
- 👉 Case management ongoing for confirmed cases
- 👉 Compulsory testing among outgoing and incoming travelers ongoing

Figure 2: Geographical Distribution of Laboratory Confirmed COVID-19 Cases by Health Districts, Liberia, as of May 9-15, 2022



Acute Flaccid Paralysis (AFP)

- 👉 Two (2) cases were reported from Nimba County
 - Specimens were collected and shipped out of country
 - One case reported from Montserrado County in Epi week 18, sample have not been recollected
- 👉 Cumulatively, fifty-five (55) cases have been reported

Neonatal Tetanus

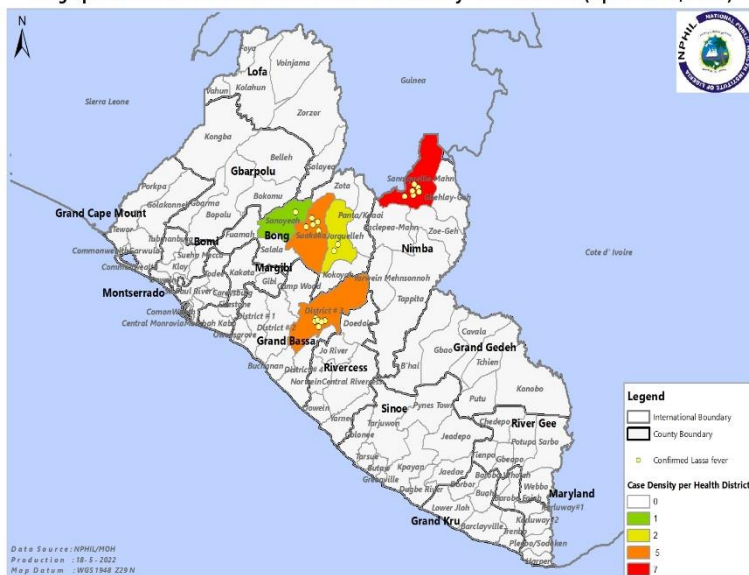
- 👉 One (1) case reported from Gbarpolu County
- 👉 Cumulatively, twenty-three (23) clinically diagnosed cases reported brilliant

Viral Hemorrhagic Diseases

Lassa fever

- 👉 Three (3) cases reported from Bong County
- 👉 Specimens were collected and tested; 1 positive and 2 negative
- 👉 Cumulatively, sixty-two (62) suspected cases have been reported including 9 deaths
 - Twenty-two (22) confirmed cases recorded including 7 deaths
 - CFR: 30% (7/23)
 - Proportion of suspected cases with sample collected: 100% (62/62)
 - Proportion of suspected cases with sample tested: 98% (61/62)
 - 1 sample rejected

Geographical Distribution of Confirmed Lassa fever cases by Health Districts (Epi week 19, 2022)



Outbreak

Lassa fever disease: (sitrep update as of May 2-8, 2022)

Two (2) counties currently in outbreak: Grand Bassa and Bong
 One county completed countdown: Nimba

Grand Bassa County:

- One (1) new confirmed case recorded on May 5, 2022. This is the second phase of Grand Bassa outbreak
 - A 10-year-old male resident of Biabia Camp located in LAC Plantation
 - Sample was collected May 2, 2022 and Ribavirin treatment was initiated
 - A positive lab result was released May 5, 2022.
 - Two contacts were line-listed (high risk).
- 👉 Risk communication interventions
 - Limited community engagement
 - Encourage radio station (Radio Gorgelee) at LAC to air Lassa fever messages and jingles
- 👉 Case management



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- Isolation of cases
 - Administration of ribavirin

👉 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 District

👉 One (1) new confirmed case reported from Suakoko District

- A 21-year-old female resident of Phebe Airstrip community, Suakoko District
- Sample was collected May 14, 2022 and Ribavirin treatment was initiated
- A positive lab result was released May 17, 2022
- Eleven contacts including 7 HCWs were generated

👉 Cumulatively, ten (10) cases confirmed with CFR: 20% (2/10)

👉 Cumulatively, 131 contacts including 77 HCWs have been line listed of which 120 have completed follow-up

Public Health Actions

👉 Risk communication interventions

- Daily health talk in all health facilities on priority diseases
- Airing of LF preventive and control messages

👉 Case management

Isolation of cases

- Administration of ribavirin

👉 Surveillance

- Active case search ongoing in the affected health district
- Heighten surveillance in all districts
- Daily Sitreps shared regularly to national level

Yellow fever

👉 One (1) suspected case was reported from Grand Kru County

- Specimen was collected and pending testing

👉 Cumulatively, thirty-seven (37) suspected cases reported

- Proportion of suspected cases with sample collected: 95% (35/37)
- Proportion of suspected cases with sample tested: 91% (32/35)

Diarrheal Diseases

Acute Bloody Diarrhea (Suspected Shigellosis)

👉 Three (3) suspected cases were reported from Bong, Lofa and Sinoe Counties

- One (1) specimen was collected and pending testing

👉 Cumulatively, two hundred thirty-five (235) suspected cases reported

- One hundred four (104) specimens collected
 - ✓ 1 positive, 83 negative



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Severe Acute Watery Diarrhea (Suspected Cholera)

- 📁 Eight (8) suspected cases reported from Lofa (4), Montserrado (2), Grand Kru (1), and Gbarpolu (1) Counties
 - Two (2) specimens collected and pending testing
- 📁 Cumulatively, one hundred sixty-seven (167) suspected cases reported
 - 85 specimens collected
 - ✓ 41 tested negative
 - ✓ 4 rejected

Other Reportable Diseases

Animal bite (Human Exposure to Rabies)

- 📁 Thirty-five (35) animal bite cases were reported Montserrado (9), Maryland (6), Nimba (4), Grand Kru (3), Grand Gedeh (3), Lofa (3), Grand Bassa (3), Bong (2), Gbarpolu (1), and River Gee (1) Counties
 - 3% (1/35) persons received
- 📁 Cumulatively, eight hundred eighty-four (884) animal bite cases reported
 - Dog bites account for 100%
 - 1-4 doses (PEP) administered to about 16% (139/884) of patients

Public Health Actions

- 📁 Administration of post exposure prophylaxis

Meningitis

- 📁 Zero case reported
- 📁 Cumulatively, twenty-one (21) suspected cases reported
 - One (1) confirmed

Monkey pox

- 📁 Two (2) suspected cases reported from Rivercess County
 - Specimens were collected
- 📁 Cumulatively, seven (7) suspected cases reported, two (2) specimens collected pending shipment

Events of Public Health Importance

Maternal Mortality

- 📁 Four (4) deaths reported from Bomi, Montserrado, Rivercess, and Nimba counties
 - Cause of death: post-partum hemorrhage (2), eclampsia (1) and one pending investigation
 - All deaths occurred at the health facility
- 📁 Cumulatively, one hundred twenty-seven (127) deaths reported
 - Proportion of deaths reviewed: 32% (41/127)
 - Proportion of community deaths: 12% (15/127)
 - Proportion of community deaths reviewed: 67% (10/15)

Neonatal Mortality

- 📁 Thirteen (13) deaths reported from Montserrado (4), Lofa (3), Bong (2), Nimba (1), Grand Kru (1), Bomi (1), and Sinoe (1)
 - Causes of death: Birth asphyxia (9) Sepsis (3), Encephalocele (1)
 - Death occurred at the health facility 92%
 - Death occurred in the community 8%
- 📁 Cumulatively, three hundred twenty-seven (327) deaths have been reported
 - Proportion of deaths reviewed: 20% (66/327)
 - Proportion of community deaths: 3% (9/327)



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- Proportion of deaths reviewed from community: 38% (3/8)

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

📁 Three (3) cases reported from Grand Bassa (2) and Grand Gedeh (1) Counties

- Two measles vaccine: related
- Penta vaccine: related

📁 Cumulatively: one hundred sixty-five (165) events reported with 91% (150/165) related to COVID-19

📁 Proportion of COVID-19 vaccine

- J&J vaccine – 76% (125/165)
- AstraZeneca – 4% (6/165)
- Pfizer – 10% (16/165)

📁 Proportion of other vaccine related events - 11% (18/165)

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 19 2022

📁 A total of 9,302 travelers recorded for the week with incoming travelers accounting for 48% (4,502/9,302)

Type of Ports	Point of Entry	Weekly total	Arrival	Departure	Yellow Book Issued	Yellow Book Damag	Card Replaced	Travelers Vaccinated	Alerts detected/ Verified	COVID-19 Reactive	Fully vaccinated for
Airport	James S. Paynes	53	33	20	0	0	0	0	0	0	2
	Robert Int'l Airport	2961	1474	1487	26	16	0	10	0	0	2949
Seaport	Freeport of Monrovia	310	155	155	0	0	0	0	0	0	155
	Buchanan Port	108	54	54	0	0	0	0	0	0	54
Land Crossing	Bo Water Side	461	226	235	0	0	0	0	0	0	0
	Ganta	188	63	125	0	0	0	0	0	0	0
	Yekepa	163	84	79	0	0	0	0	0	0	0
	Loguatu	213	121	92	0	0	0	0	0	0	0
	Yeala	368	137	231	0	0	0	0	0	0	0
	Kpazagizzia	322	201	121	0	0	0	0	0	0	0
	Safedu	559	270	289	0	0	0	0	0	0	0
	Konadu	399	177	222	0	0	0	0	0	0	0
	Bolongoidu	642	356	286	0	0	0	0	0	0	0
	Foya Tengia	615	300	315	0	0	0	0	0	0	0
	Sorlumba	630	245	385	0	0	0	0	0	0	0
	Mendicoma	840	356	484	0	0	0	0	0	0	0
	Worsonga	470	250	220	0	0	0	0	0	0	0
Total travelers		9,302	4,502	4,800	26	16	0	10	0	0	3160

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
 - Publication of situational reports
 - 3rd edition IDSR training conducted in Gbarpolu County for 43 participants from 16 health facilities
 - Management of all cases as per disease ongoing
 - Ensure the appropriate medical protocol in place
- 👉 Operational Activity
 - Continued support for operational activities ongoing

County level

👉 Surveillance

- Quarantine and monitoring of domestic animal (Dog) and cases possibly exposed to rabies
- Publication of situational reports
- Active case search ongoing in affected and surrounding communities

👉 Case Management

- Administration of PEP and ribavirin
- Management of all cases as per disease ongoing
- Ensure the appropriate medical protocol in place
- Isolation of cases

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	2	0	0	0	2	55	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Measles	A	3	9	0	16	0	10	1	10	7	6	197	82	2	0	3	346	3193	312
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
	Neonatal Tetanus	A	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	22	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	1	0	0	0	0	0	0	0	0	1	37	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	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	62	23
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7
Influenza-Like Illnesses	COVID-19	A	0	0	0	0	0	0	0	0	1	0	18	1	0	0	0	20	598	7455
		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	1	0	0	0	0	0	1	0	0	0	0	0	0	1	3	235	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	1	0	0	0	1	4	0	0	2	0	0	0	0	8	167	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	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0	4	127	
	Neonatal Mortality	D	1	2	0	0	0	0	1	3	0	0	4	1	0	0	1	13	327	
	Adverse Events Following Immunization (AEFI)	A	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	3	165	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	7	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	0	2	1	3	0	3	3	3	0	6	9	4	0	1	0	35	884	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	18	0
		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			5	17	3	21	0	14	7	21	8	12	231	91	5	1	5	441	5912	8092

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 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.