



Liberia IDSR Epidemiology Bulletin

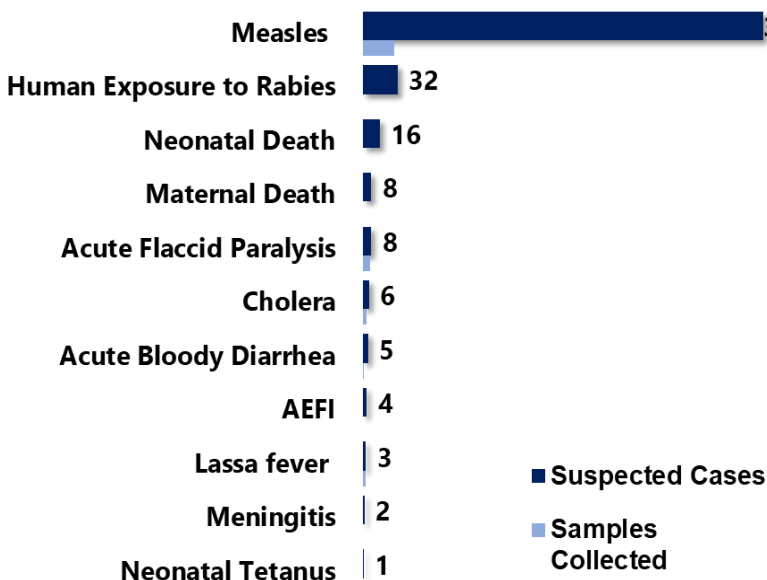
Epi-week 18 (May 2-8, 2022)

Country Population: 5,104,413 || Volume 14 Issue 18 | May 2-8, 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 **450** events of public health importance including **28** 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
- ◆ **Sixteen 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 18, 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	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	326	100	100
Nimba	88		88	88	100	100
Rivercess	21		21	21	100	100
River Gee	20		20	2	100	100
Sinoe	37		37	37	100	100
Liberia	856		856	856	100	100

856(100%)
Health facilities reported IDSR data

93 (100%)
Health districts reported IDSR data

856 (100%)
Health facilities reported timely IDSR data

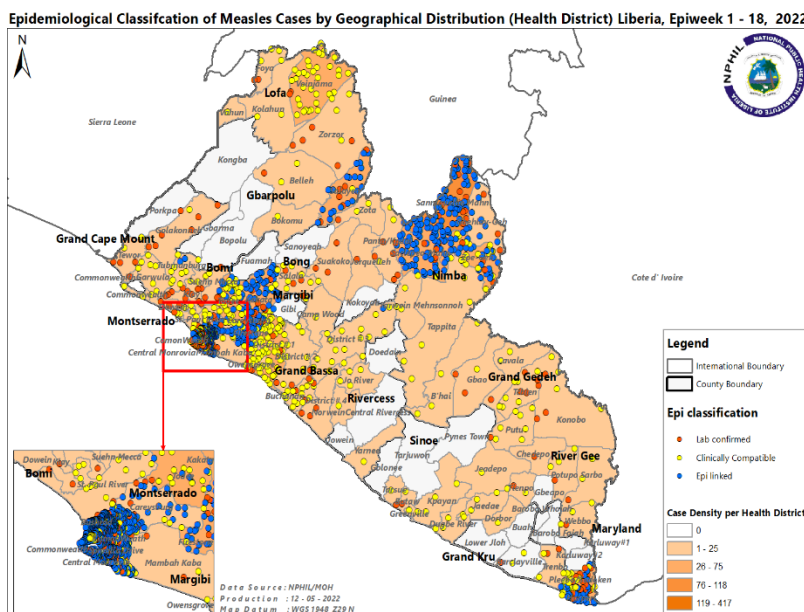
- ◆ The national target for weekly IDSR reporting is 80%. Health facility timeliness is monitored at health district level
- ◆ All counties submitted weekly IDSR reports to the national level on times.

Legend: ≥80 <80

Vaccine Preventable Diseases

Measles

- ☞ Three hundred sixty-five (365) suspected cases were reported Montserrado (224, including 3 deaths), Grand Bassa (62), Nimba (27), Lofa (15), Grand Gedeh (13), Margibi (7), Maryland (5), Sinoe (4), Bong (3), Gbarpolu (1), Bomi (1), River Gee (1), Rivercess (1), and Grand Cape Mount (1) counties
- ☞ Twenty-nine (29) specimens were collected, pending testing
- ☞ Vaccination status among suspected cases
 - Vaccinated: 162 (45%)
 - Not vaccinated: 174 (48%)
 - Unknown: 27 (7%)
- ☞ Age distribution among suspected cases
 - < 5 years: 234(64%)
 - ≥ 5 years: 129 (36%)
- ☞ Cumulatively, two thousand eight hundred-twenty (2,820) suspected cases have been reported including 30 deaths
 - Confirmed: 2,540 (90%)
 - ✓ Laboratory confirmed: 300
 - ✓ Clinically compatible: 491
 - ✓ Epidemiologically linked: 1,749
 - Non-measles discarded: 280
 - Proportion of samples collected: 25% (716/2,820)
 - Proportion of samples tested: 81% (580/716)



Outbreak

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

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

- ☞ Two hundred twenty-four (224) new suspected cases including 3 deaths reported for the week
 - Commonwealth (81), Bushrod (54), Somalia Drive (42), Central Monrovia (26), St. Paul (8), Todee (6), and Careysburg (6)
- ☞ A total of 1,549 cases line listed up to date
 - 106 lab confirmed
 - Age range 2 months-48 years
 - Death: 22
 - Death in lab confirmed: 2
 - CFR 1.4% (22/1,549)

Vaccination status among lab confirmed:

- Vaccinated - 44% (47/106)
- Not vaccinated – 39% (41/106)
- Unknown - 17% (18/106)



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Bong County: Suakoko, Zota, Salala and Panta Districts

- 👉 Three (3) new suspected cases reported from Salala District for this week
- 👉 A total of 107 cases have been recorded including two (2) deaths
 - Ten (10) laboratory confirmed
 - Age range 5 months- 35 years
 - Vaccinated: 1 (10%)
 - Not vaccinated: 4 (40%)
 - Unknown: 5 (50%)

Lofa County: Voinjama District

- 👉 Fourteen (14) new cases reported from Voinjama District
- 👉 A total of one hundred thirty (130) suspected cases have been recorded
 - Twenty-two (22) laboratory confirmed
 - Age range 2 month-67 years
 - Vaccinated: 82% (18/22)
 - Unknown: 15% (3/22)
 - Not applicable: 5% (1/22)

Nimba County: Saclepea-Mah, Zoe-Geh, and Sanniquellie-Mah Districts

- 👉 Six (6) new cases reported from Zoe-Geh (3), Saclepea-Mah (2), and Sanniquellie-Mah (1) Districts
- 👉 A total two hundred ninety-seven (297) 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

- 👉 Five (5) new case reported from Harper District
- 👉 A total of 84 cases have been recorded
 - Seventeen (17) laboratory confirmed
 - Vaccinated: 6% (1/17)
 - Non vaccinated: 11% (2/17)
 - Unknown: 82% (14/17)
 - Range 2 months-48 years

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

- 👉 Fifty-nine (59) new cases reported from Buchanan (30), District #3A&B (24), District #4 (3), District #2 (1), and District #1(1)
- 👉 A total of 217 cases including one death have been recorded
- 👉 Eighteen (18) laboratory confirmed
 - Vaccinated: 50% (9/18)
 - Not vaccinated: 38% (7/18)
 - Unknown: 13% (2/15)
 - Range 1 month-61 years
 - CFR 0.6% (1/148)



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

- 👉 One (1) new case recorded from Senjeh District
- 👉 A total of 52 cases have been recorded including 3 deaths
 - Nineteen (19) laboratory confirmed
 - Vaccinated: 42% (8/19)
 - Unknown: 52% (10/19)
 - Not applicable: 5% (1/19)
 - Range: 1 month-35 years
 - CFR in Lab. Confirmed 16% (3/19)

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

- 👉 Zero new cases 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)

- 👉 Eleven (11) new cases reported from Mamba Kaba (5), Firestone (3) and Kakata (3), Districts
- 👉 A total of 159 suspected cases reported
 - Twenty-seven (27) laboratory confirmed
 - Vaccinated: 78% (21/27)
 - Not vaccinated: 7% (2/27)
 - Unknown: 15% (4/27)
 - Range: 2 months - 49 years

Grand Cape Mount County: Commonwealth District (Situation update as of 10 March - 8 May, 2022)

- 👉 Zero new case recorded
- 👉 A total of 29 cases have been reported
 - Nine (9) laboratory confirmed
 - Range 5 months – 22 years
 - Vaccinated: 89% (8/9)

Grand Gedeh County: Tchien District (Situation update as of 10 March -8 May, 2022)

- 👉 Eight (8) new cases reported from Tchien District
- 👉 A total of 53 cases have been reported
 - Ten (10) laboratory confirmed
 - Vaccinated 70% (7/10)
 - Unknown: 30% (3/10)
 - Range 9 months-33 years



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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

- 👉 Active case search and community engagement ongoing in Somalia Drive District with support from MSF
- 👉 Mini-vaccination campaign conducted in five (5) counties and 2,331 children were vaccinated, (6-59 months)
 - Montserrado: (1,763)- Somalis Drive 1, 448 and Commonwealth 315
 - Bong: Zota (134)
 - Margibi: Firestone (140)
 - Grand Bassa: District #2 (59)
 - Lofa: (2,028) -Voinjama (793) and Salayea (235) Districts
- 👉 Case management ongoing

Challenges

- Lacked of essential medications such as; Amoxicillin, Erythromycin, Vitamin A and Calamine Lotion Cream for case management (Grand Kru and Gbarpolu) counties
- Limited specimen collection kits (Margibi County)
- Limited medical supplies for case management

Influenza-Like Illnesses

Coronavirus Disease (COVID-19)

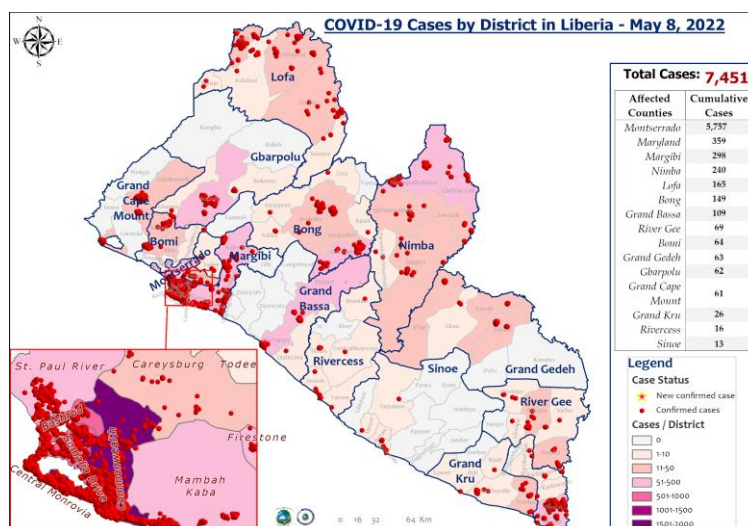
Outbreak

- 👉 Zero confirmed case reported
- 👉 Sixteen (16) active cases were reported from Montserrado (14), 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-one (7,451) 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

Figure 2: Geographical Distribution of Laboratory Confirmed COVID-19 Cases by Health Districts, Liberia, as of May 2-8, 2022





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- 👉 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

Acute Flaccid Paralysis (AFP)

- 👉 Eight (8) cases reported. Montserrado (4), Nimba (2), Grand Bassa (1), and Maryland (1) Counties
- 👉 Specimens collected, 7 shipped and pending testing
- 👉 One sample from Montserrado was inadequate
- 👉 Cumulatively, fifty-three (53) cases have been reported

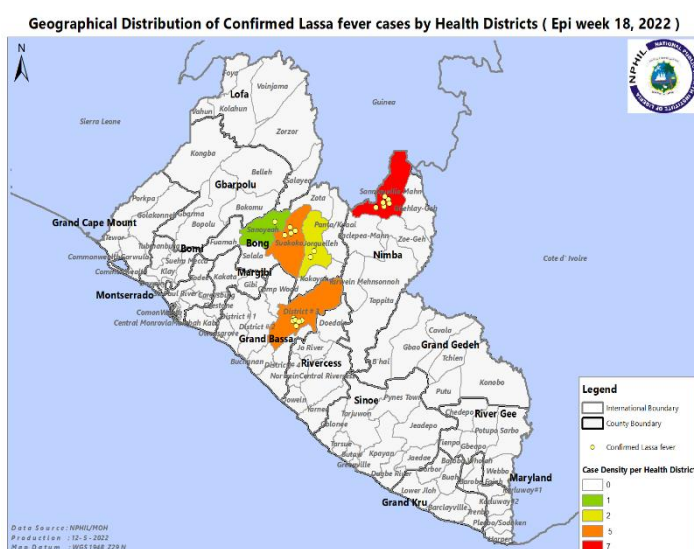
Neonatal Tetanus

- 👉 One (1) case reported from Montserrado County
- 👉 Cumulatively, twenty-two (22) clinically diagnosed cases reported

Viral Hemorrhagic Diseases

Lassa fever

- 👉 Three (3) new cases reported. Bong (2), and Grand Bassa (1) Counties
- 👉 Specimens were collected and two (2) tested: 1 positive, 1 negative and 1 rejected
- 👉 Cumulatively, sixty (60) suspected cases have been reported including 9 deaths
 - Twenty-two (22) confirmed cases recorded including 7 deaths
 - CFR 33%
 - Proportion of suspected cases with sample collected 100% (60/60)
 - Proportion of suspected cases with sample tested 95% (57/60)



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

- 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). This is second phase of outbreak for Grand Bassa

- 👉 Risk communication interventions
 - Limited community engagement



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- Encourage radio station (Radio Gorgelee) at LAC to air Lassa fever messages and jingles

📁 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

Bong County: Suakoko District

📁 No new confirmed case reported

📁 Eight (8) contacts completed follow-up on May 11, 2022

📁 Cumulatively, nine (9) cases confirmed with CFR 22% (n=2/9)

📁 Cumulatively, 120 contacts including 70 HCWs have been line listed

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

📁 Zero suspected case reported

📁 Cumulatively, thirty-six (36) suspected cases reported

- Proportion of suspected cases with sample collected 92% (33/36)
- Proportion of suspected cases with sample tested 88% (29/33)

Diarrheal Diseases

Acute Bloody Diarrhea (Suspected Shigellosis)

📁 Five (5) suspected cases were reported from Bomi, Nimba, Grand Bassa, Gbarpolu, and Lofa Counties

- One (1) specimen was collected and pending testing

📁 Cumulatively, two hundred thirty-two (232) suspected cases reported

- One hundred twenty-nine (129) specimens collected
 - 82 negative, 1 positive



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Severe Acute Watery Diarrhea (Suspected Cholera)

- 👉 Six (6) suspected cases reported from Grand Kru (2), Bong (1), Gbarpolu (1), Nimba (1), and Grand Bassa Counties
- 👉 Four (4) specimens collected, 1 tested negative and 3 pending
- 👉 Cumulatively, one hundred fifty-seven (157) suspected cases reported
 - 83 specimens collected
 - 40 tested negative
 - 3 rejected

Other Reportable Diseases

Animal bite (Human Exposure to Rabies)

- 👉 Thirty-two (32) animal bite cases were reported. Montserrado (8), Nimba (5), Gbarpolu (4), Bomi (3), Lofa (2), Bong (2), Sinoe (4), Maryland (1), Grand Bassa (1), and Rivercess (1)
 - 19% (6/32) persons received
- 👉 Cumulatively, eight hundred forty-nine (849) animal bite cases reported
 - Dog bites account for 100%
 - 1-4 doses (PEP) administered to about 16% (138/849) of patients

Public Health Actions

- 👉 Administration of post exposure prophylaxis

Meningitis

- 👉 Two (2) cases reported from Bomi County including one (1) death
- 👉 No specimen collected
- 👉 Cumulatively, twenty-one (21) suspected cases reported
 - One (1) confirmed

Monkeypox

- 👉 Zero suspected case reported
- 👉 No specimen collected
- 👉 Cumulatively, five (5) suspected cases reported, two (2) specimen collected pending shipment

Events of Public Health Importance

Maternal Mortality

- 👉 Eight (8) deaths reported from Montserrado (5), Margibi (1), Lofa (1), and Bong (1) counties
 - Cause of death:
 - Sickle cell anemia, anemia, pre-eclampsia, ante-partum hemorrhage, rupture uterus, sepsis, post-partum hemorrhage
 - 7 deaths occurred at the health facility
 - 1 death occurred in the community
- 👉 Cumulatively, one hundred twenty-three (123) deaths reported



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- Proportion of deaths reviewed 33% (41/123)
- Proportion of community deaths 12% (15/123)
 - Proportion of community deaths reviewed: 67% (10/15)

Neonatal Mortality

- 👉 Sixteen (16) deaths reported from Montserrado (11), Bong (3), Margibi (1), and River Gee (1)
- 👉 Twenty-eight (28) of these deaths are backlog deaths from previous week.
 - Causes of death: Birth asphyxia (7) Sepsis (4), Preterm (4), Neonatal Tetanus (1)
 - All deaths occurred at the health facility
- 👉 Cumulatively, three hundred fourteen (314) deaths have been reported
 - Proportion of deaths reviewed 21% (66/314)
 - Proportion of community deaths 3% (8/314)
 - Proportion of deaths reviewed from community 38% (3/8)

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

- 👉 Four (4) cases reported from Grand Kru (1), River Gee (1), Rivercess (1) and Bomi (1) Counties
 - All cases were COVID-19 vaccine: related
- 👉 Cumulatively: one hundred sixty-two (162) events reported with 91% (147/162) related to COVID-19
- 👉 Proportion of COVID-19 vaccine
 - J&J vaccine – 85% (125/147)
 - AstraZeneca – 4% (6/147)
 - Pfizer – 10% (15/147)
- 👉 Proportion of other vaccine related events -9% (15/162)

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



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Border Surveillance Update

Table2: Border activity at the PoE for Incoming and Outgoing Travelers, Liberia, Epi week 18 2022

👉 A total of 7,712 travelers recorded for the week with incoming travelers accounting for 51% (3,940/7,712)

Type of Ports	Point of Entry	Weekly total	Arrival	Departure	Yellow Book Issued	Yellow Book Damage	Card Replaced	Travelers Vaccinated	Alerts detected/ Verified	COVID-19 Reactive	Fully vaccinated for COVID-19
Airport	James S. Paynes	54	33	21	0	0	0	0	0	0	10
	Robert Int'l Airport	1968	803	1165	38	0	0	0	0	0	1934
Seaport	Freeport of Monrovia	148	74	74	0	0	0	0	0	0	74
	Harper	0	0	0	0	0	0	0	0	0	0
	Buchanan Port	136	68	68	0	0	0	0	0	0	68
Land Crossing	Bo Water Side	614	305	309	0	0	0	0	0	0	28
	Ganta	175	57	118	0	0	0	0	0	0	0
	Yekepa	199	93	106	0	0	0	0	0	0	0
	Loguatu	160	72	88	0	0	0	0	0	0	0
	Yeala	504	217	287	0	0	0	0	0	0	0
	Kpazagizzia	233	130	103	0	0	0	0	0	0	0
	Safedu	573	350	223	0	0	0	0	0	0	0
	Konadu	313	180	333	0	0	0	0	0	0	0
	Bolongoidu	628	448	180	0	0	0	0	0	0	0
	Lawalazu	0	0	0	0	0	0	0	0	0	0
	Foya Tengia	662	350	312	0	0	0	0	0	0	0
	Sorlumba	510	255	255	0	0	0	0	0	0	0
	Mendicomma	435	325	110	0	0	0	0	0	0	0
	Worsonga	400	180	220	0	0	0	0	0	0	0
Total travelers		7,712	3,940	3,972	38	0	0	0	0	0	2114

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

Public Health Measures

National level

- 👉 Providing technical, logistical, and financial support to counties
 - 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	1	0	0	0	0	0	1	4	2	0	0	0	8	45	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Measles	A	1	3	1	62	1	13	0	15	7	5	224	27	1	1	4	365	2442	283
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
	Neonatal Tetanus	A	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	21	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	36	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Viral Hemorrhagic Fever	Dengue fever	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Ebola Virus Disease	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Lassa fever	A	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	3	60	21
		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	0	0	0	0	0	0	0	0	598	7435
		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	1	0	1	1	0	0	0	1	0	0	0	1	0	0	0	5	232	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	1	1	1	0	0	2	0	0	0	0	1	0	0	0	6	157	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	1	0	0	0	0	0	1	1	0	5	0	0	0	0	8	123	
	Neonatal Mortality	D	0	3	0	0	0	0	0	0	1	0	11	0	0	1	0	16	314	
	Adverse Events Following Immunization (AEFI)	A	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	4	162	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	0	0	0	0	5	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	3	2	4	1	0	0	0	2	0	1	8	5	1	1	4	32	849	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	Meningitis	A	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	18	0
		D	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	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			8	12	7	67	1	13	3	19	9	7	253	36	3	4	8	450	5078	8041

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.