



Liberia IDSR Epidemiology Bulletin

Epi-week 27 (July 4-10, 2022)

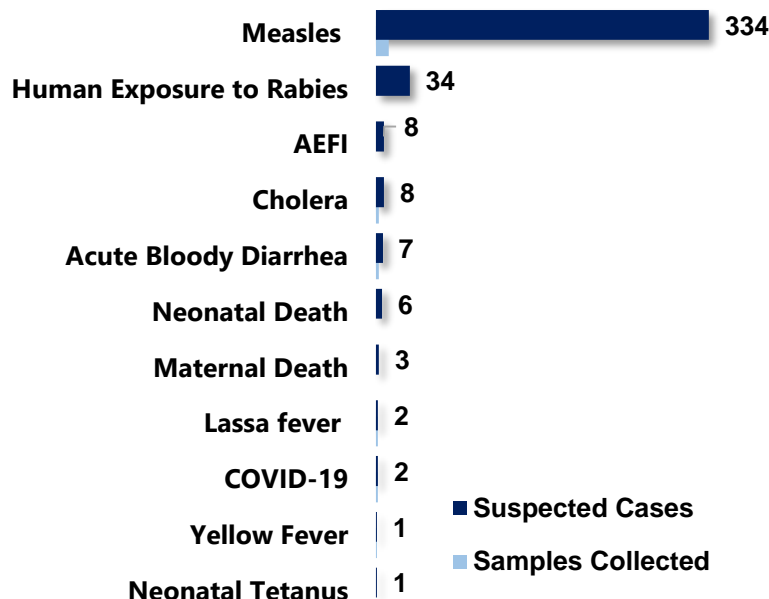
Country Population: 5,104,413 | Volume 14 Issue 27 | July 4-10, 2022

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 406 events of public health importance including 9 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
- ♦ Two (2) 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 27, 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	100
River Gee	20		20	20	100	100
Sinoe	37		37	37	100	100
Liberia	851		851	850	100	99

851 (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

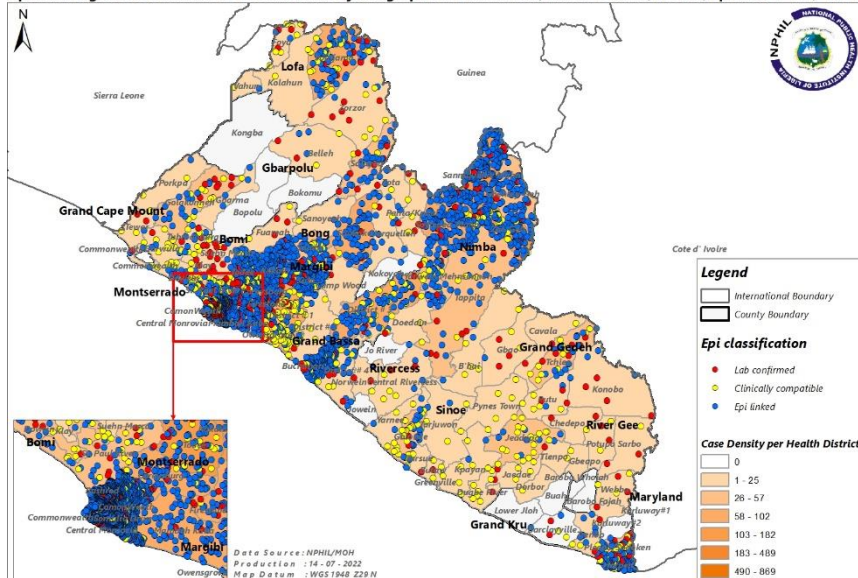
- ☞ Three hundred thirty-four (334) suspected cases including 1 death reported from Montserrado: Montserrado (149 including 1 death), Grand Bassa (58), Bong (48), Margibi (31), Nimba (14), Maryland (8), Grand Gedeh (8), Rivercess (7), Sinoe (5), Lofa (4), Grand Cape Mount (1), and River Gee (1) Counties.
- ☞ Thirteen (13) specimens collected and pending testing
- ☞ Vaccination status among suspected cases

- Vaccinated: (150) 45%
- Not vaccinated: (157) 47%
- Unknown: (27) 8%

- ☞ Age distribution among suspected cases

- < 5 years: (206) 62%
- ≥ 5 years: (128) 38%

Epidemiological Classification of Measles Cases by Geographical Distribution, Health District, Liberia, Epiweek 1 - 27, 2022



- ☞ Cumulatively five thousand six hundred forty-two (5,642) suspected cases have been reported including 67 deaths
 - (5,232) 93% confirmed:
 - ✓ Laboratory confirmed: (364) 7%
 - ✓ Clinically compatible: (544) 10%
 - ✓ Epidemiologically linked: (4,324) 83%
 - Non-measles discarded: 410
 - ✓ 18 tested positive for Rubella
 - Rejected samples: 17
 - Proportion of samples collected: (796/5,307) 15%
 - Proportion of samples tested: (774/796) 97%

Outbreak

Measles: (Situation update as of the 13th December 2021-10th July, 2022)

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

- ☞ One hundred forty-nine (149) new cases reported from Somalia Drive (62), Bushrod (55), Commonwealth (11), Central Monrovia (10), Todee (6), Careysburg (4), and St. Paul (1) Districts
- ☞ A total of 3,057 cases have been confirmed
 - Median age 6 (1month-59years)
 - Vaccinated - (1,462/3,057) 48%
 - Unknown - (40/3,057) 1.3%
 - CFR (59/3,057) 2%



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Bong County: Suakoko, Zota, Jorquelleh, Salala, and Panta Districts (Situation update as of 20th December 2021-10th July, 2022)

- 📁 Forty-seven (48) new cases reported from Suakoko District
- 📁 A total of 223 cases have been confirmed including two (2) deaths
 - Median age 8 (1 months - 52 years)
 - Vaccinated - (33/223) 15%
 - Unknown - (81/223) 36%
 - CFR (2/223) 0.9%

Lofa County: Voinjama, Foyah, Zorzor and Salala Districts (Situation update as of 21st January – 10th July, 2022)

- 📁 Four (4) new cases reported from Voinjama District
- 📁 A total of 145 cases have been confirmed
 - Median age: 10 (2 months-46years)
 - Vaccinated: (135/145) 93%
 - Unknown: (3/145) 2%

Nimba County: Gbehlay-Geh, Sacleapea-Mah, Zoe-Geh, Tappita, Yarwin Mehnsonnoh, and Sanniquellie-Mah Districts (Situation update as of 20th January-10th July, 2022)

- 📁 Fourteen (14) new cases reported from Gbehlay-Geh (6), Tappita (5), Zoe Geh (2), and Sanniquellie-Mah (1) Districts
- 📁 A total of 553 cases have been confirmed
 - Median age 7 (2 months- 48years)
 - Vaccinated : (90/553) 16.3%
 - Unknown: (75/553) 13.6%

Maryland County: Harper and Pleebo Districts (Situation update as of 1st February- 10th July, 2022)

- 📁 Eight (8) new cases reported from Harper District
- 📁 A total of 131 cases have been confirmed
 - Median age 7 (7 months-48 years)
 - Vaccinated: (10/131) 7.6%
 - Unknown: (83/131) 63.4%

Grand Bassa County: District #1, District#2, District #3A&B, District #4, Owensgrove, and Buchanan Districts (Situation update as of 22nd April- 10th July, 2022)

- 📁 Fifty-eight (58) new cases reported from District #3 A&B (46), Buchanan (8), District #4 (2), and District #1 (1), districts
- 📁 A total of 378 cases including one death have been confirmed
 - Median age 8 (1 month-45 years)
 - Vaccinated: (164/378) 43%
 - Unknown: (67/378) 18%
 - CFR (1/378) 0.3%

Bomi County: Senjeh, Suehn Mecca, Dowein and Klay Districts (Situation update as of 7th March- 10th July, 2022)

- 📁 No new case recorded
- 📁 A total of 55 cases have been confirmed including 3 deaths
 - Median age 7 (1 month-48 years)
 - Vaccinated: (26/55) 47.3%
 - Unknown: (35/55) 63.6%
 - CFR (3/55) 5.5%

Grand Kru: Trehn District (Situation update as of 14th March – 10th July, 2022)

- 📁 No new case reported
- 📁 A total of 13 cases confirmed



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- Median age 9 (5 months- 9 years)
- Vaccinated: (10/13) 77%
- Unknown: 0

Rivercess: Central C District (Situation update as of 16 March – 10th July, 2022)

- 📁 Seven (7) new cases reported from Central C District
- 📁 A total 27 clinically confirmed cases have been recorded
 - Median age 13 (6 months -36 years)
 - Vaccinated: (10/27) 37%
 - Unknown: (22/27) 81%

Margibi County: Firestone, Gibi, Kakata, and Mamba Kaba Districts (Situation update as of 28 February–10th July, 2022)

- 📁 Thirty-one (31) new cases reported from Mamba Kaba (16), Kakata (11), and Firestone (4) districts
- 📁 A total of 354 cases confirmed
 - Median age 6 (4 months - 67 years)
 - Vaccinated: (245/354) 69%
 - Unknown: (85/354) 24%

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

- 📁 One (1) new case reported from Garwula district
- 📁 A total of 58 cases have been confirmed
 - Median age 12 (5 months – 32 years)
 - Vaccinated: (48/58) 83%
 - Unknown (4/58) 7%

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

- 📁 Eight (8) new cases reported from Tchien District
- 📁 A total of 55 cases have been confirmed
 - Median age 6 (6 month-35 years)
 - Vaccinated (25/55) 45%
 - Unknown: (14/55) 25%

Gbarpolu: Belle and Kongba Districts (Situation update as of 22nd February- 10th July, 2022)

- 📁 No new case reported
- 📁 A total of 17 cases have been confirmed
 - Median age 10 (1-24 year)
 - Vaccinated: (4/17) 23.5%
 - Unknown: (7/17) 41.2%

Sinoe: Gblonee, Dugbeh River, and Jedepo Districts (Situation update as of 19th May -3rd July, 2022)

- 📁 Five (5) new cases reported from Gblonee District
- 📁 A total of 80 cases have been confirmed
 - Median age 6 (2 months -38 years)
 - Vaccinated: (46/80) 58%
 - Unknown (20/80) 25%

Public Health Actions

- 📁 Phase 2 of the nationwide immunization campaign starts on Monday, July 18-22, 2022. The campaign covers age group 6-59 months.
- 📁 Continue case management and follow up with home-based cases (Maryland and Rivercess) Counties



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- ✍ Airing of measles prevention and control messages on going (Rivercess, Bong, and Lofa) Counties
- ✍ Awareness and sensitization of family members ongoing in Grand Bassa County

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)

- ✍ Zero case reported
- ✍ Cumulatively, seventy (72) cases have been reported

Neonatal Tetanus

- ✍ One (1) case reported from Montserrado County
- ✍ Cumulatively, thirty-one (31) clinically diagnosed cases reported

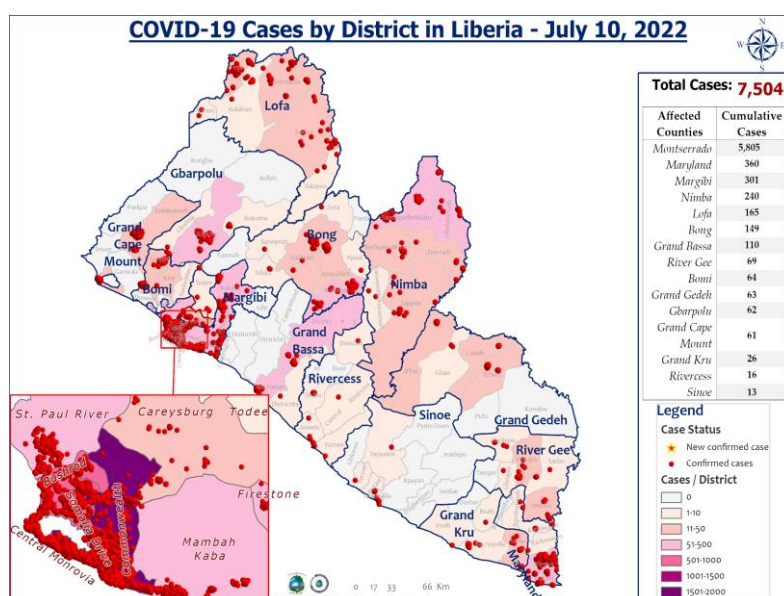
Influenza-Like Illnesses

Coronavirus Disease (COVID-19)

Outbreak

- ✍ Two (2) new confirmed cases reported from Montserrado and Grand Bassa Counties
- ✍ Five (5) active cases were reported from Montserrado (4), and Grand Bassa (1) Counties
- ✍ A total of six hundred nine (609) confirmed cases have been reported since epi week 1
- ✍ Cumulatively, seven thousand five hundred four (7,504) confirmed cases recorded including 294 deaths.
 - 412 healthcare workers (including 8 deaths) reported with 17,690 contacts generated

Figure 2: Geographical Distribution of Laboratory Confirmed COVID-19 Cases by Health Districts, Liberia, as of July 4-10, 2022



Public Health Actions

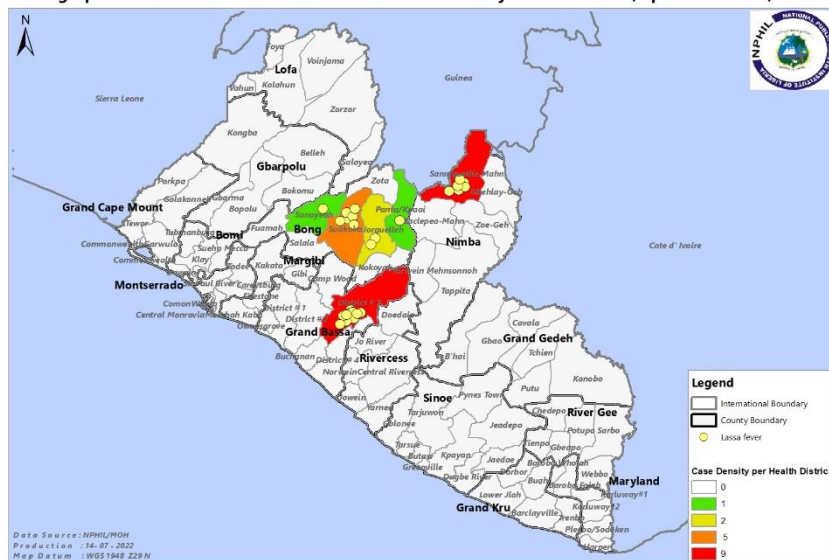
- ✍ Weekly IMS coordination meeting On-going.
- ✍ Surveillance activities including active case search and case investigation on-going in affected county using WHO interim guidelines
- ✍ Case management ongoing for confirmed cases
- ✍ Compulsory testing among outgoing travelers as required by country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

Viral Hemorrhagic Diseases

Lassa fever

- 👉 Two (2) suspected cases reported from Nimba County
- 👉 Two (2) specimens collected and pending testing
- 👉 Cumulatively, eighty-seven (87) suspected cases have been reported including 10 deaths
 - Twenty-nine (29) confirmed cases recorded including 10 deaths
 - CFR: (10/29) 34.5%
 - Proportion of suspected cases with sample collected (87/87) 100%
 - Proportion of suspected cases with sample tested (83/87) 95%
 - 2 samples rejected

Geographical Distribution of Confirmed Lassa fever cases by Health District, Epi week 1 - 27, 2022



Outbreak

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

- 👉 No new confirmed cases reported
- 👉 Twenty-six (26) contacts under 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
 - 9 contacts generated and under follow-up
 - 33 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



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Bong County: Suakoko and Jorquellah Districts

- 👉 No new confirmed case reported
- 👉 Cumulatively, twelve (12) confirmed cases including (2) deaths (CFR 17%)
 - Suakoko District: 8 cases and 2 deaths
 - Jorquellah District: 3 cases
 - Sanoyea District: 1 case
 - Kpaai District: 1 case
- 👉 Total of one hundred fifty-seven (157) contacts generated
 - 142 completed 21 days follow up
 - 15 (92 HCWs, 2 family members) under 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
 - Isolation of cases
 - Administration of ribavirin
- 👉 Surveillance
 - Active case search ongoing in the affected health district
 - Heighten surveillance in all districts
 - Daily situational reports are shared regularly to national level

Yellow fever

- 👉 One (1) suspected case reported from Bomi County
- 👉 One (1) specimen collected and pending testing
- 👉 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)

- 👉 Seven (7) suspected cases reported from Sinoe (2), Lofa (2), Nimba (2), and Grand Gedeh (1) Counties
 - Three (3) specimens collected and pending testing
- 👉 Cumulatively, two hundred eighty-eight (288) suspected cases reported
 - One hundred thirty-five (135) specimens collected; 112 received by the lab
 - 93 tested negative
 - 1 positive (Grand Gedeh),
 - 11 rejected
 - 8 specimens not tested (discarded)



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Severe Acute Watery Diarrhea (Suspected Cholera)

- 👉 Eight (8) suspected cases reported: Lofa (3), River Gee (2), Nimba (2), and Grand Gedeh (1) Counties
- 👉 Three (3) specimens were collected and pending testing
- 👉 Cumulatively, two hundred eleven (211) suspected cases reported
 - 112 specimens collected; 65 received by the lab
 - 53 tested negative
 - 5 rejected
 - 7 specimens not tested

Other Reportable Diseases

Animal bite (Human Exposure to Rabies)

- Thirty-four (34) animal bite cases were reported: Montserrado (14), Margibi (4), Lofa (3), Maryland (3), River Gee (3), Grand Bassa (2), Nimba (2), Sinoe (2), and Bong (1) Counties
- One (1) person (3%) received PEP
- 👉 Cumulatively, one thousand one hundred sixty-one (1,161) animal bite cases reported
 - Dog bites account for 100%
 - 1-4 doses (PEP) administered to about (186/1,161) 16% 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

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

Events of Public Health Importance

Maternal Mortality

- 👉 Three (3) deaths reported: Montserrado, Grand Bassa, and Nimba Counties
 - Cause of death: Eclampsia (2), Sepsis (1)
 - Two (2) deaths occurred at the health facility and one (1) in the community
- 👉 Cumulatively, one hundred seventy-three (173) deaths reported
 - Proportion of deaths reviewed (48/173) 28%
 - Proportion of community deaths (17/173) 9.8%
 - Proportion of community deaths reviewed: (8/17) 47%

Neonatal Mortality

- 👉 Six (6) deaths reported: Montserrado (2), Maryland (1), Bomi (1), Grand Kru (1), and Bong (1) counties
 - Causes of death: Birth asphyxia (6)



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- All deaths occurred at the health facility

✎ Cumulatively, four hundred seventy-four (474) deaths have been reported

- Proportion of deaths reviewed (55/474) 12%
- Proportion of community deaths (18/474) 4%
 - Proportion of deaths reviewed from community (3/18) 17%

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

✎ Eight (8) cases reported: Sinoe (7), and Grand Gedeh (1) Counties

- Related vaccines:
 - COVID-19

✎ Cumulatively: Two hundred sixty-one (261) events reported with (213/261) 82% related to COVID-19

✎ Proportion of COVID-19 vaccine

- J&J vaccine – (161/213) 76%
- AstraZeneca – (6/213) 3%
- Pfizer – (46/213) 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 27, 2022

✎ A total of 4,845 travelers recorded for the week with incoming travelers accounting for 47% (2,275/4,845)

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	69	40	29	69	0	0	0	0	0	5
	Robert Int'l Airport	3115	1465	1650	3095	7	13	0	0	0	3028
Seaport	Freeport of Monrovia	164	82	82	164	0	0	0	0	0	164
	Buchanan Port	40	20	20	40	0	0	0	0	0	40
Land Crossing	Bo Water Side	880	385	495	828	10	22	20	0	0	71
	Ganta	237	127	110	216	21	0	0	0	0	47
	Yekepa	179	85	94	168	11	0	0	0	0	27
	Loguatu	161	71	90	150	9	2	0	0	0	35
Total		4,845	2,275	2,570	4,730	58	37	20	0	0	3,417

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
 - Data harmonization between Riders for Health and NPHIL ongoing
 - Drafted fact sheets on Anthrax, Monkey pox, and Pertussis pending approval for distribution to counties
 - Drafted Monkey pox case definition, SOP, FAQ and national outbreak response guideline, and developed case-based forms for monkey pox awaiting stakeholders' inputs for approval
 - Piloted the updated RRT training package in Gbarpolu County with support from AFENET
 - Trained seventeen (17) personnel's under fourteen (14) core-functions
- 👉 Operational Activity
 - Continued support for operational activities ongoing

County level

- 👉 **Surveillance**
 - Restrained and monitoring of domestic animal (Dog) and following up with people 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 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	72	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Measles	A	0	48	0	58	1	8	0	4	31	8	148	14	7	1	5	333	5,642	364
		D	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	67	0
	Neonatal Tetanus	A	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	31	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
	Yellow fever	A	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	0	0	0	0	0	0	0	0	2	0	0	0	2	87	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	0	2	0	0	0	0	2	609	7,504	
		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	1	0	2	0	0	0	2	0	0	2	7	288	1	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Severe Acute Watery Diarrhoea (Cholera)	A	0	0	0	0	1	0	3	0	0	0	2	0	2	0	8	211	0	
		D	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	1	0	0	0	0	0	1	1	0	0	0	3	173		
	Neonatal Mortality	D	1	1	0	0	0	1	0	0	1	2	0	0	0	0	6	474		
	Adverse Events Following Immunization (AEFI)	A	0	0	0	0	1	0	0	0	0	0	0	0	0	7	8	261	0	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Unexplained Cluster of Health Events/Disease	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	15	0	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Tuberculosis	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	1	0	2	0	0	3	4	3	14	2	0	3	2	34	1,161	0	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
	Meningitis	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	1	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			2	50	0	61	1	11	1	12	35	12	169	23	7	6	16	406	9179	8193

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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National Public Health Institute of Liberia (NPHIL)

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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.