



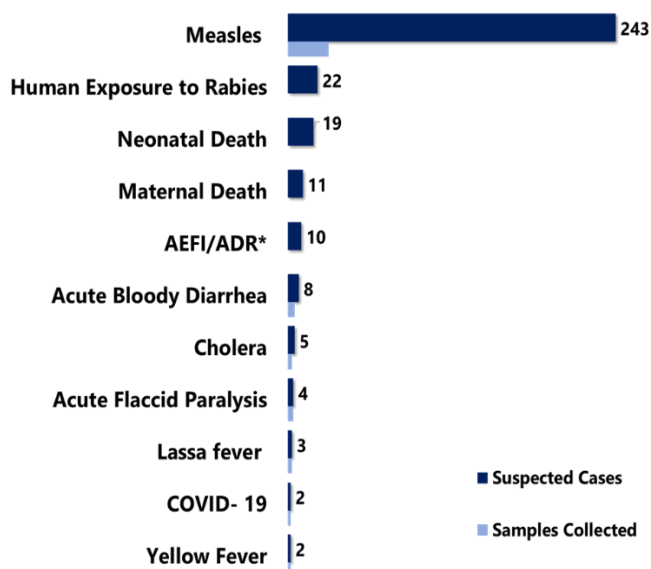
Liberia IDSR Epidemiology Bulletin

Epi-week 22 (May 30- June 5, 2022)

Country Population: 5,104,413 | Volume 14 Issue 22 | May 30-June 5, 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 **329** events of public health importance including **34** deaths were reported
- ♦ Completeness and timeliness of health facility reports were both **100%**
- ♦ **Ongoing Lassa fever** outbreak in two counties
- ♦ **Ongoing Measles** outbreak in fourteen counties
- ♦ **Two (2) active cases Covid-19** in two counties

*Adverse Events Following Immunization /Adverse Drug Reaction

Reporting Coverage

Table 1: Health Facility Weekly IDSR Reporting Coverage, Liberia, Epi Week 22, 2022

County	Expected 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	326	100	100
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	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.

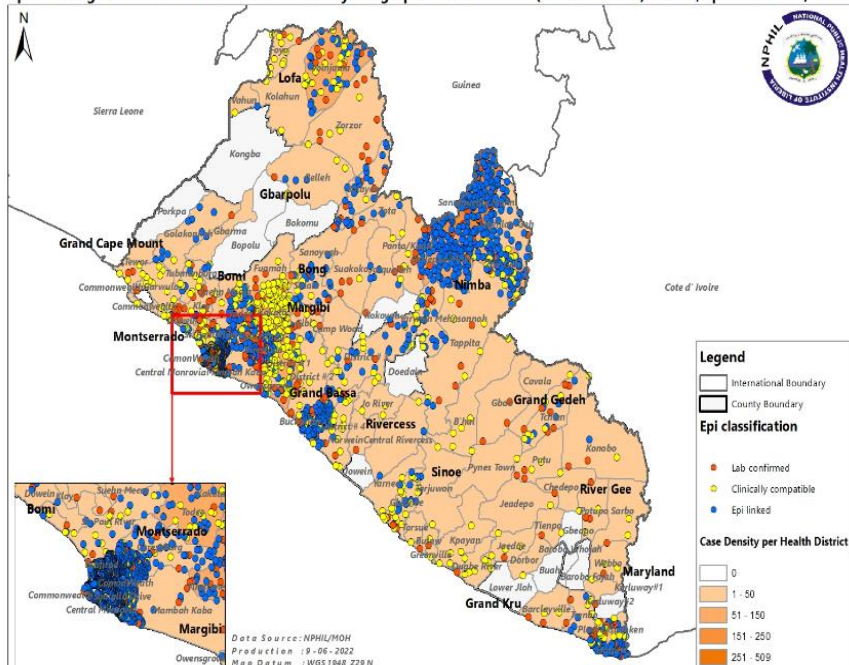
Legend: ≥80 <80

Vaccine Preventable Diseases

Measles

- ☞ Two hundred forty-three (243) suspected cases were reported: Montserrado (132 including 3 deaths), Grand Bassa (28), Nimba (27), Sinoe (14), Lofa (12), Margibi (6), Grand Cape Mount (6 including one death), Grand Gedeh (6), Rivercess (4), Maryland (4), Bong (3), and Bomi (1) counties
- ☞ Thirty (30) specimens collected and pending testing
- ☞ Vaccination status among suspected cases
 - Vaccinated: (149) 61%
 - Not vaccinated: (63) 26%
 - Unknown: (31) 13%
- ☞ Age distribution among suspected cases
 - < 5 years: (144) 59%
 - ≥ 5 years: (99) 41%
- ☞ Cumulatively, four thousand ninety-six (4096) suspected cases have been reported including 45 deaths
 - Confirmed: (3,735) 91%
 - ✓ Laboratory confirmed: (327) 9%
 - ✓ Clinically compatible: (534) 14%
 - ✓ Epidemiologically linked: (2,874) 77%
 - Non-measles discarded: 361
 - Proportion of samples collected: (719/4,096) 18%
 - Proportion of samples tested: (688/719) 96%

Epidemiological Classification of Measles Cases by Geographical Distribution (Health District) Liberia, Epiweek 1 - 22, 2022



Outbreak

Measles: (Situation update as of the 13th December 2021-May 29, 2022)

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

- ☞ One hundred thirty-three (133) new suspected cases including 3 deaths reported for the week
 - Bushrod (63), Somalia Drive (38), Commonwealth (4), Central Monrovia (10), St. Paul (6), Careysburg (5), and Todee (7)
 - A total of 2,110 cases line listed up to date
 - Median age 3 (IQR:1-5) years
 - CFR (36/2,110) 2%
 - Vaccinated (1,018/2,110) 48%
 - Unknown - (25/2,110) 1.2%



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Bong County: Suakoko, Zota, Jorquellah, Salala and Panta and Suakoko Districts as of 19 December-5 June, 2022

- 👉 Three (3) new cases reported from Salala (2), and Zota (1) Districts
- 👉 A total of 137 cases have been confirmed including two (2) deaths
 - Range: 9 months - 35 years
 - CFR (3/137) 2%

Lofa County: Voinjama, Foyah, Zorzor and Salala Districts

- 👉 Twelve (12) new cases reported from Voinjama District
- 👉 Age range 1 month-67 years
- 👉 Vaccinated: (122/127) 96%
- 👉 Unknown: (3/127) 2%

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

- 👉 Twenty-eight (28) new cases reported from Sanniquellie-Mah (11), Yarwin Mehnsonnoh (11), Tappita (4), and Saclepea-Mah (2) Districts
 - A total of four hundred sixty-four (464) cases confirmed
 - Range 2 months- 48years
 - Vaccinated: (79/464) 17%
 - Unknown: (114/464) 25%

Maryland County: Harper and Pleebo Districts

- Four (4) new cases reported from Harper District
- A total of 102 cases have been confirmed
- Range 7 months-48 years
- Vaccinated: (10/102) 10%
- Unknown: (64/102) 63%

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

- 👉 Twenty-four (24) new cases reported from Buchanan (20), District #4 (2), District #3 A&B (1), and District #1 (1)
- 👉 A total of 265 cases including one death have been confirmed
 - Range 1 month-61 years
 - Vaccinated: (103/265) 39%
 - Unknown: (47/265) 18%
 - CFR (1/265) 0.4%

Bomi County: Suehn Mecca, Senjeh, Dowein and Klay Districts (Situation update as of 7 March- 29 May, 2022)

- 👉 One (1) new case recorded from Senjeh District
- 👉 A total of 47 cases have been confirmed including 3death
 - Range: 1 month-67 years
 - Vaccinated: (23/47) 49%
 - Unknown: (22/47) 47%
 - CFR (3/47) 6%

Grand Kru: Trehn District (Situation update as of 14 March -29 May, 2022)

- 👉 No new case reported
- 👉 A total of 10 cases confirmed
 - Range 5 months- 16 years
 - Vaccinated: (7/10) 70%



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Rivercess: Central C and Jo- River (Situation update as of 16 March -29 May, 2022)

- 👉 Four (4) new cases reported Central C District
- 👉 A total 11cases have been confirmed
- 👉 Range: 6 months -12 years
- 👉 Vaccinated: (4/11) 36%
- 👉 Unknown: (4/11) 36%

Margibi County: Firestone, Kakata and Mamba Kaba Districts (Situation update as of 28 February - 5 June, 2022)

- 👉 Nine (9) new cases reported from Kakata (3), Mamba Kaba (3), Firestone (2), and Gibi (1) Districts
- 👉 A total of 315 cases confirmed
- 👉 Range: 4 months - 52 years
- 👉 Vaccinated: (187/315) 59%
- 👉 Unknown: (53/315) 17%

Grand Cape Mount County: Commonwealth District (Situation update as of 10 March - 5 June, 2022)

- 👉 Four (4) new cases reported from Gola Konneh (3), and Garwula (1) Districts
- 👉 A total of 41 cases have been confirmed
- 👉 Range 5 months – 23 years
- 👉 Vaccinated: (36/41) 88%
- 👉 Unknown (1/41) 2%

Grand Gedeh County: Tchien District (Situation update as of 10 March - 5 June, 2022)

- 👉 Five (5) new cases reported from Tchien (3), and Gbao (2) Districts
- 👉 A total of 32 cases have been confirmed
 - Range 1 month-20 years
 - Vaccinated (17/32) 53%
 - Unknown: (6/32) 19%

Gbarpolu: Belleh District

- 👉 No new case reported
- 👉 A total of 7 cases have been confirmed
- 👉 Range 7 months -22 years
- 👉 Vaccinated: (1/7) 14%
- 👉 Unknown: (2/7) 29%

Sinoe: Gblonee and Jedepo Districts (Situation update as of 19 May - 5 June, 2022)

- 👉 Ten (10) new cases reported from Jedepo District
- 👉 A total of 43 cases have been confirmed
 - Range 5 months -24 years
 - Vaccinated: (14/43) 33%
 - Unknown (17/43) 40%

Public Health Actions

- 👉 Completed phase 1 of the nation-wide immunization campaign in all 15 counties
 - Total vaccinated was 98,761 (38%) of the targeted population (260,000)
- 👉 Airing of measles prevention and control messages on going (Rivercess, Bong, and Lofa) counties

Challenges

- Limited essential medications/ medical supplies for case management
- Limited logistical support (fuel, communication cards, specimen collection kits, etc.)

Acute Flaccid Paralysis (AFP)

- 👉 Four (4) cases reported from Montserrado (3), and Sinoe (1) counties
- 👉 Specimen collected and shipped
- 👉 Cumulatively, sixty-two (62) cases have been reported

Neonatal Tetanus

- 👉 Zero reported
- 👉 Cumulatively, twenty-five (25) clinically diagnosed cases reported

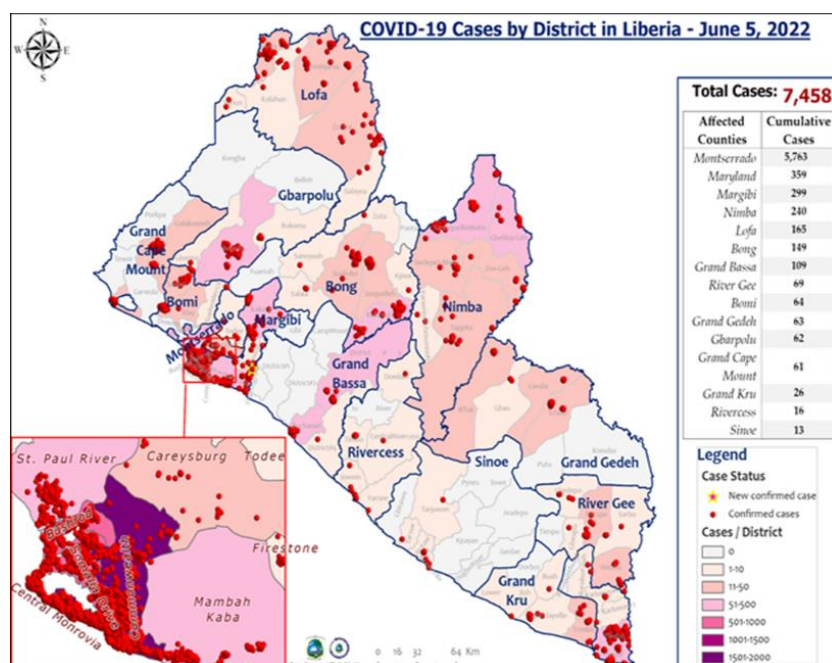
Influenza-Like Illnesses

Coronavirus Disease (COVID-19)

Outbreak

- 👉 Zero confirmed case reported
- 👉 Two (2) active case were reported from Margibi and Montserrado Counties
- 👉 A total of five hundred ninety-eight (598) confirmed cases have been reported since epi week 1
- 👉 Cumulatively, seven thousand four hundred fifty-eight (7,458) confirmed cases recorded including 294 deaths.
 - 412 deaths
 - 601 healthcare workers reported with 17,653 contacts generated

Figure 2: Geographical Distribution of Laboratory Confirmed COVID-19 Cases by Health Districts, Liberia, as of May 30-June 5, 2022



Public Health Actions

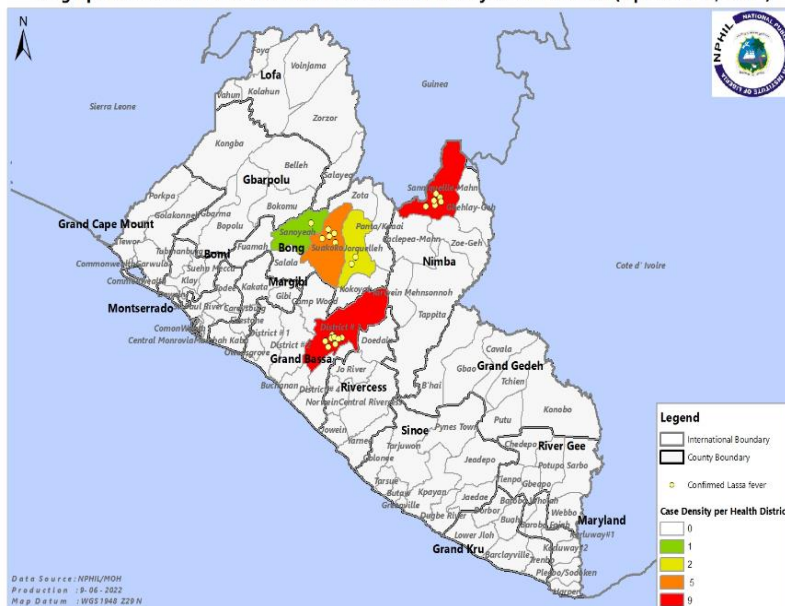
- 👉 Weekly IMS coordination meeting
On-going.
- 👉 Surveillance activities including active case search and case investigation on-going in affected county using WHO interim guidelines
- 👉 Case management ongoing for confirmed cases
- 👉 Compulsory testing among outgoing travelers as required by country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

Viral Hemorrhagic Diseases

Lassa fever

- ☞ Three (3) suspected cases reported from Grand Bassa (2), and Nimba (1) Counties
- ☞ Specimens collected and 2 tested: 1 positive, 1 negative and 1 pending
- ☞ Cumulatively, seventy (70) suspected cases have been reported including 9 deaths
 - Twenty-five (25) confirmed cases recorded including 7 deaths
 - CFR:(7/25) 28%
 - Proportion of suspected cases with sample collected (70/70) 100%
 - Proportion of suspected cases with sample tested (69/70) 99%
 - 1 sample rejected

Geographical Distribution of Confirmed Lassa fever cases by Health Districts (Epi week 22, 2022)



Outbreak

Lassa fever disease: (sitrep update as of May 23-29, 2022)

- One (1) new confirmed case reported
- Two (2) counties currently in outbreak: Grand Bassa and Bong

Grand Bassa County:

- ☞ Two (2) new suspected cases reported District #3A&B
 - Specimens collected and tested, 1 positive and 1 negative
 - Two (2) contacts generated
 - Three (3) contacts under follow-up
- ☞ Cumulatively, eight (8) confirmed cases including (1) death (CFR 13%)
- ☞ Cumulative contacts generated twenty-nine (29)
 - The twenty-six (26) contacts completed 21 days' follow-up as of May 30, 2022
- ☞ Risk communication interventions
 - Ongoing community engagement
 - Encourage radio station (Radio Gorgelee) at LAC to air Lassa fever messages and jingles
- ☞ Surveillance
 - Active case search ongoing in the affected health district
 - Heighten surveillance in all districts
 - Daily sitreps shared regularly to national level

Bong County: Suakoko District

- ☞ No new confirmed case recorded



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👉 No contacts under follow-up

- A total of eleven (11) contacts including 7 HCWs still under follow up

👉 Cumulatively, ten (10) confirmed cases including (2) deaths (CFR 20%)

👉 Cumulatively, one hundred thirty-one (131) contacts generated of which 120 completed follow-ups and 11

- 4 (Jorquelleh) & 7 (Suakoko) still under follow-up and have gone 18 days monitoring

👉 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

👉 Two (2) suspected cases reported from Grand Cape Mount and Grand Kru counties

👉 Specimens collected and pending testing

👉 Cumulatively, forty-four (44) suspected cases reported

- Proportion of suspected cases with sample collected (40/44) 91%
- Proportion of suspected cases with sample tested (34/40) 85%

Diarrheal Diseases

Acute Bloody Diarrhea (Suspected Shigellosis)

👉 Eight (8) suspected cases reported from Sinoe (3), Rivercess (3), Margibi (1), and Nimba (1) Counties

- Five (5) specimens collected and pending testing

👉 Cumulatively, two hundred fifty-seven (257) suspected cases reported

- One hundred sixteen (116) specimens collected but 104 received by the lab,
 - 1 positive, 84 negative
 - 11 rejected
 - 8 specimens not tested

Severe Acute Watery Diarrhea (Suspected Cholera)

👉 Five (5) suspected cases reported from Sinoe (2), Grand Bassa (1), Lofa (1), and Grand Gedeh (1) Counties

👉 Three specimens collected and pending testing

👉 Cumulatively, one hundred seventy-six (176) suspected cases reported

- 90 specimens collected but 59 received by the lab
 - 41 tested negative
 - 13 not tested
 - 5 rejected



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Other Reportable Diseases

Animal bite (Human Exposure to Rabies)

- 📁 Twenty-two (22) animal bite cases were reported: Nimba (7), Grand Gedeh (3), Grand Kru (2), Margibi (2), Lofa (2), Bong (1), Montserrado (1), Gbarpolu (1), Grand Cape Mount (1), and Maryland (1) and River Gee (1) Counties
 - Five (5) persons (23%) received PEP
- 📁 Cumulatively, nine hundred sixty- three (963) animal bite cases reported
 - Dog bites account for 100%
 - 1-4 doses (PEP) administered to about (156/963) 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 case reported
- 📁 Cumulatively, seven (7) suspected cases reported, two (2) specimens collected pending shipment

Events of Public Health Importance

Maternal Mortality

- 📁 Eleven (11) deaths reported from Montserrado (8), Bong (2), and Nimba (1) Counties
 - Cause of death: Eclampsia (4), Sepsis (3), Post-partum Hemorrhage (2), Ante-partum Hemorrhage (1), and 1 under review
 - All deaths occurred at the health facility
- 📁 Cumulatively, one hundred fifty-two (152) deaths reported
 - Proportion of deaths reviewed (37/152) 24%
 - Proportion of community deaths (16/152) 11%
 - Proportion of community deaths reviewed: (8/37) 22%

Neonatal Mortality

- 📁 Nineteen (19) deaths reported from Montserrado (9), Bong (5), Margibi (2), Rivercess (1), Nimba (1), and Gbarpolu (1) counties
 - Causes of death: Birth asphyxia (7), Sepsis (7), Preterm (4), and 1 under review
 - Seventeen (17) deaths occurred at the health facility and two (2) in the community
- 📁 Cumulatively, three hundred ninety-three (393) deaths have been reported
 - Proportion of deaths reviewed (47/393) 12%
 - Proportion of community deaths (13/393) 3%
 - Proportion of deaths reviewed from community (3/47) 6%



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

✎ Ten (10) cases reported from Sinoe (8) and Grand Gedeh (2) Counties

- Related vaccines:
 - COVID-19 (5)
 - Measles (5)

✎ Cumulatively: Two hundred nine (209) events reported with (164/209) 78% related to COVID-19

✎ Proportion of COVID-19 vaccine

- J&J vaccine – (128/164) 78%
- AstraZeneca – (6/164) 4%
- Pfizer – (30/164) 18%

✎ Proportion of other vaccine related events - (45/209) 22%

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 22, 2022

✎ A total of 4,232 travelers recorded for the week with incoming travelers accounting for 48% (2,018/4,232)

Type of Ports	Point of Entry	Weekly total	Arrival	Departure	Total travelers with YB	Yellow Book Damage	Card Replaced	Travelers Vaccinated against YF & Issued	Alerts detected/ Verified	COVID-19 Reactive	Evidence of COVID-19 vaccination card/certificate
Airport	James S. Paynes	43	25	18	43	0	0	0	0	0	4
	Robert Int'l Airport	2778	1360	1418	2755	17	0	6	0	0	2729
Seaport	Freeport of Monrovia	44	22	22	44	0	0	0	0	0	44
	Buchanan Port	122	61	61	122	0	0	0	0	0	122
Land Crossing	Bo Water Side	597	336	261	576	18	0	3	0	0	48
	Ganta	295	122	173	290	5	0	0	0	0	20
	Yekepa	192	90	102	182	10	0	0	0	0	18
	Loguatu	162	77	85	150	12	0	0	0	0	15
Total travelers		4,233	2,093	2,140	4,162	62	0	9	0	0	3,000

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
 - Data harmonization between MSF and NPHIL ongoing
 - Drafted fact sheets on Anthrax, Monkeypox, and Pertussis pending approval for distribution to counties
 - Drafted Monkeypox case definition, SOP, FAQ and national outbreak response guideline, and developed case-based forms for monkeypox 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	3	0	0	0	1	4	62	0	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Measles	A	1	3	0	28	5	6	0	12	6	4	129	27	4	0	14	239	4096	327
		D	0	0	0	0	1	0	0	0	0	0	3	0	0	0	0	4	45	0
	Neonatal Tetanus	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	1	0	1	0	0	0	0	0	0	0	0	2	44	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	2	0	0	0	0	0	0	0	1	0	0	0	3	61	18
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	7
Influenza-Like Illnesses	COVID-19	A	0	0	0	0	0	0	0	1	0	1	0	0	0	0	2	598	7164	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	294	
Diarrheal Diseases	Acute Bloody Diarrhoea (Shigellosis)	A	0	0	0	0	0	0	0	1	0	0	1	3	0	3	8	257	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	1	0	1	0	1	0	0	0	0	0	2	5	176	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	2	0	0	0	0	0	0	0	8	1	0	0	0	11	152		
	Neonatal Mortality	D	0	5	1	0	0	0	0	2	0	9	1	1	0	0	19	393		
	Adverse Events Following Immunization (AEFI)	A	0	0	0	0	0	2	0	0	0	0	0	0	0	8	10	209	0	
		D	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	5	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	
		D	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	1	0	1	3	2	2	2	1	1	7	0	1	22	963	0	
		D	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	18	0	
		D	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	
		D	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	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL		1	11	2	31	8	12	3	15	12	5	154	38	8	1	28	329	7114	7811	

D = Dead A = Alive

Notes

👉 **Completeness** refers to the proportion of expected weekly IDSR reports received (target: ≥80%)

👉 **Timeliness** refers to the proportion of expected weekly IDSR reports received by the next level on time (target: ≥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: ≥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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National Public Health Institute of Liberia (NPHIL)

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To prevent and control public health threats by promoting healthy outcomes and serving as a source of knowledge

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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.