



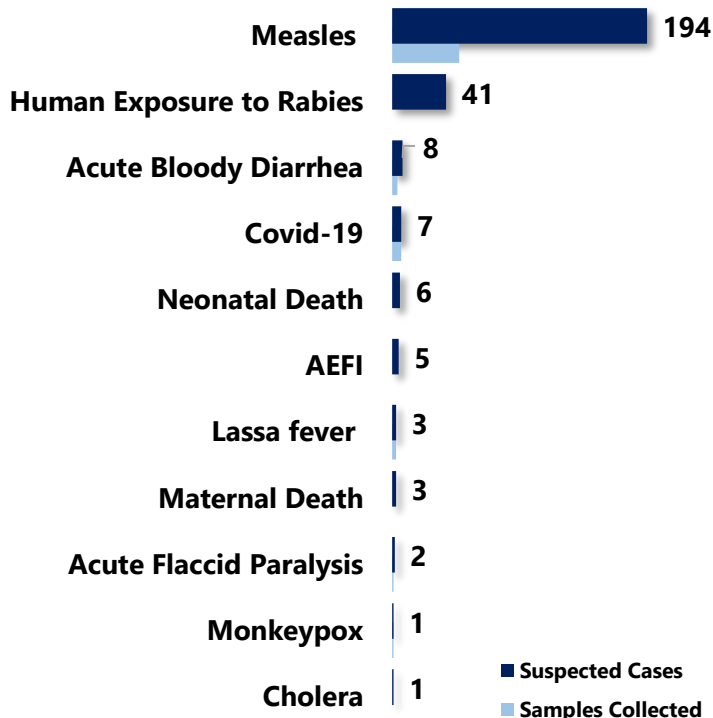
Liberia IDSR Epidemiology Bulletin

Epi-week 7 (Feb 13 -19, 2023)

Country Population: 5,248,621 | Volume 18 Issue 6 || Feb 13 - 19, 2023 || Data Source: CSOs from 15 Counties and Laboratory

Highlights

Figure 1: Public Health Events Reported



Keynotes and Events of Public Health Significance

- ◆ A total of 271 events of public health importance including 9 deaths reported
- ◆ Completeness and timeliness of health facility reports were 100% and 99%
- ◆ Ongoing Lassa fever outbreak in 4 Counties
- ◆ Ongoing Monkey pox outbreak in 2 Counties
- ◆ Ongoing Measles outbreak in 11 Counties

Adverse Events Following Immunization/Adverse Drug Reaction

Reporting Coverage

Table 1: Health Facility Weekly IDSR Reporting Coverage, Liberia, Epi-week 7, 2023

County	Expected Reports From HF*	Reports Received	Received on Time	Completeness (%)	Timeliness (%)
Bomi	28	28	28	100	100
Bong	67	67	67	100	100
Gbarpolu	18	18	18	100	100
Grand Bassa	37	37	37	100	100
Grand Cape Mount	34	34	34	100	100
Grand Gedeh	24	24	24	100	100
Grand Kru	24	24	24	100	100
Lofa	60	60	60	100	100
Margibi	66	66	66	100	100
Maryland	28	28	28	100	100
Montserrado	418	418	409	100	99
Nimba	91	91	91	100	100
Rivercess	21	21	21	100	100
River Gee	20	20	20	100	100
Sinoe	41	41	41	100	100
Liberia	977	977	968	100	99

977(100%)
Health facilities reported IDSR data

93 (100%)
Health districts reported IDSR data

968(99%)
Health facilities reported timely IDSR data

◆ The national target for weekly IDSR reporting is 80%. Health facility timeliness is monitored at the health district level

Legend: ≥80 <80



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Vaccine-Preventable Diseases

Measles

- ☛ One hundred ninety-four (194) suspected cases reported from 14 Counties (see distribution on table 2)
- ☛ Fifty-one (51) specimens collected and pending testing
- ☛ One hundred six (106) vaccinated (see distribution in table 3)

Table 2: Distribution of Measles cases per county and epi-classification, Liberia, Epi week 7, 2023

COUNTY	CURRENT WEEK		CUMULATIVE DEATHS	CLASSIFICATION OF CONFIRMED CASES wk 1-7			CUMULATIVE CONFIRMED CASES WEEK 1-7	CFR (%)
	SUSPECTED	LAB CONFIRMED		Lab confirmed	Epi-Linked	Clinically Compatible		
Bomi	6	0	0	2	16	4	22	0.0
Bong	7	0	1	2	42	14	58	1.7
Gbarpolu	3	0	0	0	3	12	15	0.0
Grand Bassa	12	0	0	0	38	0	38	0.0
Grand Cape Mount	4	0	0	1	11	1	13	0.0
Grand Gedeh	4	0	0	0	0	30	30	0.0
Grand Kru	66	0	2	0	265	1	266	0.8
Lofa	9	0	0	0	14	9	23	0.0
Margibi	7	0	0	0	35	0	35	0.0
Maryland	27	0	0	0	193	1	194	0.0
Montserrado	42	0	0	1	185	0	186	0.0
Nimba	4	0	2	1	72	0	73	2.7
River Gee	0	0	0	0	3	13	16	0.0
Rivercess	1	0	0	0	8	2	10	0.0
Sinoe	2	0	0	2	3	12	17	0.0
Total	194	0	5	9	888	99	996	5.2

Table 3: Vaccination Status of Measles Cases, Liberia, Epi week 7, 2023

County	Vaccinated	Number of Doses Received		
		One Dose	Two Doses	Doses Not indicated
Bomi	4	0	4	0
Bong	3	0	0	3
Gbarpolu	3	0	0	3
Grand Bassa	8	0	0	8
Grand Cape Mount	3	3	0	0
Grand Gedeh	3	3	0	0
Grand Kru	19	11	8	0
Lofa	9	9	0	0
Margibi	6	6	0	0
Maryland	5	0	1	4
Montserrado	38	29	9	0
Nimba	3	3	0	0
Rivercess	1	1	0	0
Sinoe	1	1	0	0
Total	106	66	22	18



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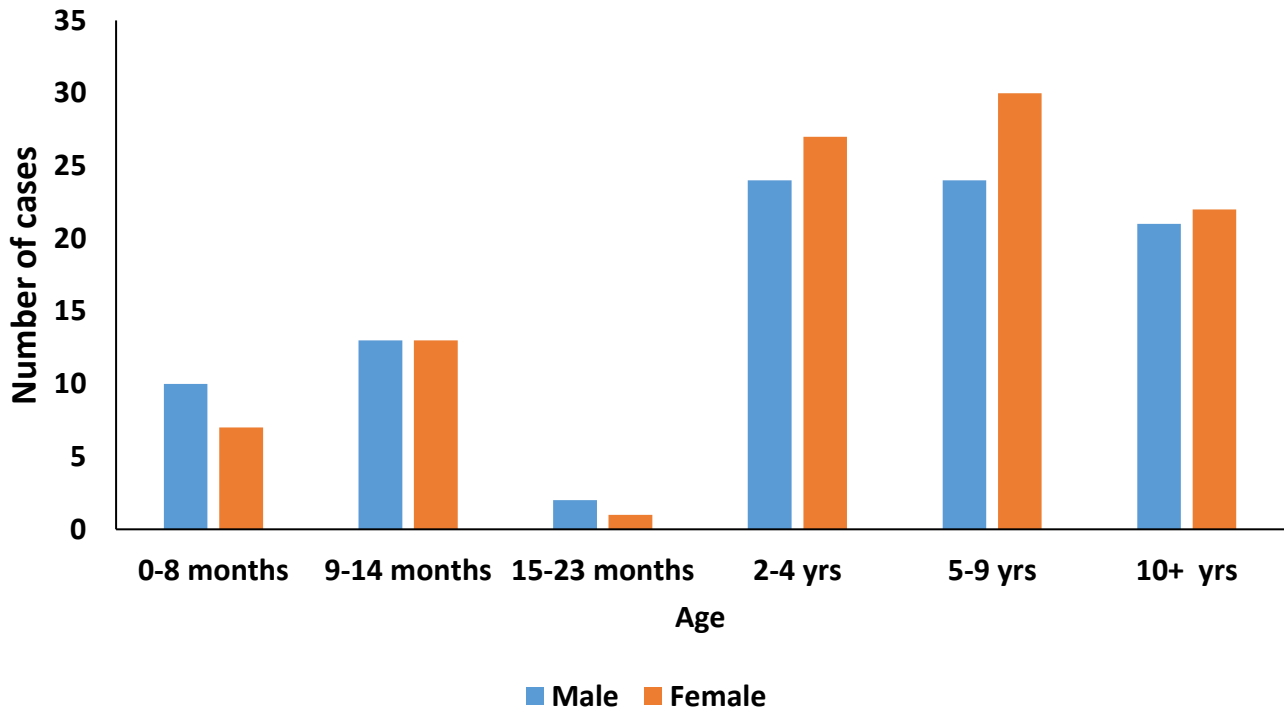


Figure 2: Distribution of Measles Cases by Age and Sex, Liberia Epi week 7, 2023

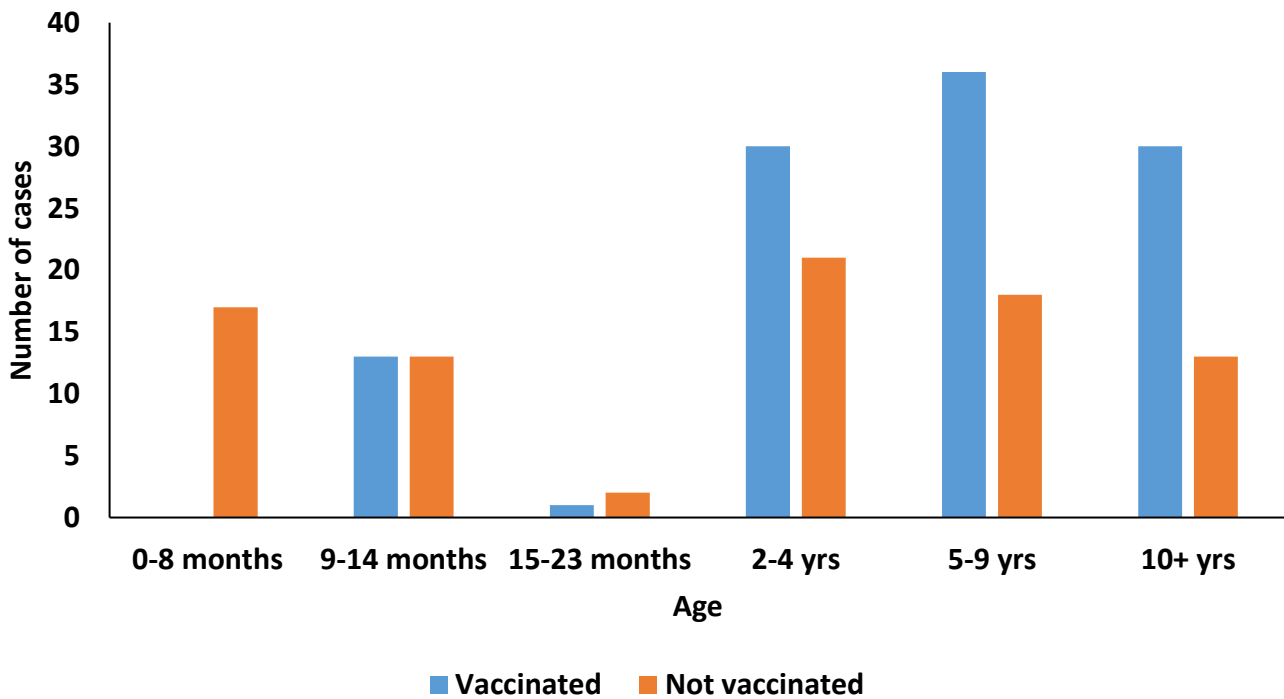


Figure 3: Vaccination Status of Measles Cases by Age group, Liberia, Epi-week 7, 2023



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Outbreak Section

Table 4: Summary Distribution of Measles Cases and Deaths, December 13, 2021- February 19, 2023

COUNTY	CUMULATIVE SUSPECTED CASES	CUMULATIVE CONFIRMED CASES	CLASSIFICATION OF CONFIRMED CASES			CLASSIFICATION OF CONFIRMED DEATHS			CUMULATIVE DEATHS	CFR (%)	# CONFIRMED CASES WEEK 6	# CONFIRMED CASES WEEK 7	% CHANGE	Outbreak Status
			Lab confirmed	Epi Linked	Clinically Compatible	Lab confirmed	Epi Linked	Clinically Compatible						
Montserrado	4,555	4,493	141	4,198	154	3	61	3	67	1.6	29	42	45	Ongoing
Nimba	845	817	37	742	38	0	0	2	3	0.1	20	4	-80	Ongoing
Margibi	665	644	33	603	8	0	1	1	1	0	6	7	14	Ongoing
Grand Bassa	814	777	40	635	102	1	6	0	7	1	3	2	-33	Ongoing
Lofa	263	203	32	132	39	0	0	0	0	0	0	7	-	Ongoing
Bong	440	418	19	356	45	0	1	2	3	0.6	13	6	-55	Ongoing
Maryland	575	567	22	526	19	0	0	0	0	0	42	23	-45	Ongoing
Grand Gedeh	256	143	30	80	33	0	0	0	0	0	0	0	-	Ended
Sinoe	193	155	33	58	64	0	0	0	0	0	0	0	-	Ended
Bomi	132	107	33	58	16	1	2	2	5	7.4	2	6	200	Ongoing
Grd Cape Mt	162	142	16	99	27	0	2	1	3	2.7	0	3	-	Ongoing
Grand Kru	512	486	16	464	6	0	2	0	2	0	40	64	-36	Ongoing
Gbarpolu	74	60	5	50	5	0	0	0	0	0	0	0	-	Ended
Rivercess	102	83	22	54	7	0	1	0	1	1.3	0	0	-	Ongoing
River Gee	14	4	3	0	1	0	0	0	0	0	0	0	-	Ended
Total	9,602	9,099	482	7,055	564	5	76	11	92	1.5	155	147		

Public Health Response

I Coordination

- Conducting daily coordination meeting to solicit support from stakeholders
- Ongoing collaboration meeting between NPHIL and MOH to develop a joint action plan for the conduct of a nationwide reactive Measles campaign
- Response efforts have been coordinated by CHTs with support from partners

II. Epidemiological Surveillance

- Surveillance activities have been intensified at all levels in affected counties (Grand Kru, Maryland, Nimba, Margibi, Grand Bassa).
 - Active case search
 - Line listing of cases

III. Case Management

- Initiated treatment at health facility and sent for home-based isolation and management (Grand Gedeh, Maryland, Montserrado, Nimba, Grand Kru, Margibi, and Bong) counties.

IV. Laboratory

- Specimens were collected from 8 districts in four counties for testing (Grand Gedeh-Gbao, Cavalla and Tchien, Margibi-Gibi, Bomi-Dewoin, River Gee-Chedepo, Gbeapo, and Potupo)

V. Immunization

- Measles vaccine outreach ongoing in affected and surrounding communities in Bong and Nimba counties
- Parents and guidance of exposed age groups in affected communities have been encouraged to be vaccinated in Maryland County.

VI. Risk Communication and Community Engagement

- Health education on prevention and control of measles ongoing in health facility and affected Communities (Grand Gedeh, Nimba, Gbarpolu, Bomi, and Montserrado counties).
- CHPs are encouraged to intensify home visitation in affected communities in Maryland County.

Acute Flaccid Paralysis (AFP)

- Zero cases reported
- Cumulatively, nine (9) cases were reported

Neonatal Tetanus

- Zero cases reported
- Cumulatively, five (5) cases reported

Influenza-Like Illnesses

Coronavirus Disease (COVID-19)

Outbreak

- Seven (7) new confirmed cases reported from Nimba (6), and Montserrado (1) counties
- Cumulatively, eight thousand ninety (8,090) confirmed cases, including 294 deaths
 - 601 healthcare workers
- A total of 17,827 contacts have been generated
 - 1,772 healthcare workers

Public Health Actions

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

Influenza Like Illnesses

- Zero cases reported

Viral Hemorrhagic Diseases

Lassa fever

- Three (3) suspected cases were reported from Bong (2), and Grand Bassa (1) Counties
- Three (3) specimens were collected: 2 tested positive, 1 negative
- Cumulatively, forty-four (44) suspected cases reported
 - Proportion of suspected cases with a sample collected (43/44) 98%
 - Proportion of suspected cases with sample tested (35/44) 80%

Outbreak

Lassa fever disease

- Two (2) confirmed cases were reported
- Seventy-seven (77) contacts under 21 days' follow-up
- Cumulatively, ninety-one (92) laboratory-confirmed cases including 28 deaths reported (CFR=30%)

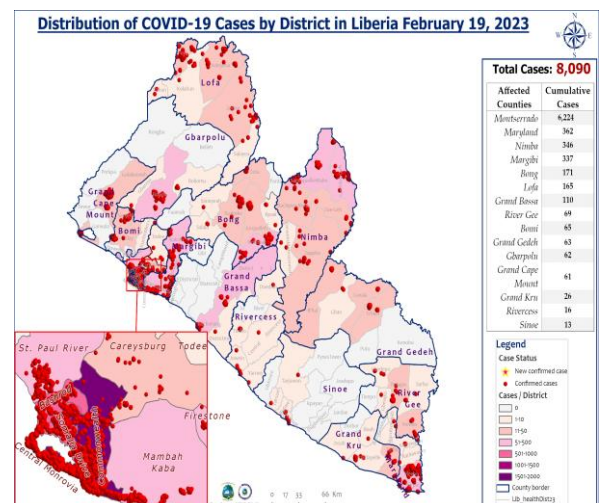


Figure 4: Summary of COVID-19, Liberia, Feb 13-19, 2023



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Table 5: Summary of Lassa fever Confirmed Cases Reported in Epi week 7, 2023

Age (Yrs)	Sex	Occupation	Community	District of outbreak	County	Date of Onset	Date of Adm.	Hospital	Date specimen collected	Date sent to Lab.	Date ribavirin initiated	Date Confirmed	Total contacts	HCW contacts
9 mths	M	Infant	Phebe Airstrip	Suakoko	Bong	9-Feb-23	13-Feb-23	Phebe hospital	16-Feb-23	16-Feb-23	16-Feb-23	20-Feb-23	17	13
14 yrs	F	Student	Phebe Airstrip	Suakoko	Bong	13-Feb-23	16-Feb-23	Phebe hospital	16-Feb-23	16-Feb-23	16-Feb-23	20-Feb-23	6	1

Table 6: Summary of Lassa fever Outbreak, Liberia, Jan 6, 2022-Feb 19, 2023

County	Outbreak Dates	District of Outbreak	Suspected cases	Confirmed cases	Confirmed cases in HCWs	Total Deaths	CFR %	Total Contacts	HCW contacts	Total contact completed	Total contacts under follow-up
Bong	Jan. 6, 2022, to date	Suakoko	98	37	8	8	18	317	194	294	23
Nimba	Feb. 6, 2023	Sannique- Mah	3	2	0	0	0	43	35	0	43
Grand Bassa	Sept. 9, 2022 to date	District #3 A&B	45	22	0	6	27	114	19	114	0
Mont	13-Feb-23	Bushrod Island	3	1	0	0	0	11	6	0	11
Total		4	149	62	8	14	23	485	254	408	77

Public Health Measures

- NPHIL continues to provide technical support to the affected counties

I. Surveillance:

- Heightened case detection and reporting in affected communities and districts
- Situational reports are produced and shared regularly at the National Level
- Daily follow-up/monitoring of contacts

II. RCCE

- Health Education in affected and surrounding communities
- Health workers and visitors are encouraged to enhance IPC practices by regular washing of hands

III. Case Management

- Cases isolated and ribavirin treatment administered

IV. IPC

- Affected communities were empowered with the WASH package to enable them to undertake short-term interventions that will improve the sanitation situation in each community thereby helping in Lassa fever prevention and control

Yellow fever

- ☞ Zero cases reported
- ☞ Cumulatively, seven (7) suspected cases reported



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- Proportion of suspected cases with samples collected (7/7) 100%
 - One sample was collected but not transported (Epi week 5 from Grand Gedeh)
- Proportion of samples collected and tested (4/7) 57%

Ebola Virus Disease

☞ Zero suspected cases reported

Diarrheal Diseases

Acute Bloody Diarrhea (Suspected Shigellosis)

- ☞ Eight (8) cases were reported from Grand Kru (2), Sinoe (2), Grand Gedeh (2), Margibi (1), and Lofa (1) Counties
- ☞ Four (4) specimens collected and pending testing
- ☞ Cumulatively, fifty-three (53) cases reported

Severe Acute Watery Diarrhea (Suspected Cholera)

- ☞ One (1) case was reported from Nimba County
- ☞ No specimen collected
- ☞ Cumulatively, fifty-five (55) suspected cases reported

Other Reportable Diseases

Animal bite (Human Exposure to Rabies)

☞ Forty-one (41) animal bite cases were reported:

Table 7: Distribution of Animal bite cases and PEP administration per county, Liberia, Epi week 7, 2023

Counties	Cases	Person receiving PEP	PEP doses administered	Cumulative cases (Wk 1-7)	Cumulative PEP administered (Wk 1-7)
Bomi	0	1	0	6	0
Bong	5	0	0	23	7
Gbarpolu	1	0	0	3	0
Grand Bassa	1	0	0	22	1
Grand Cape Mount	0	0	0	10	1
Grand Gedeh	4	0	0	15	0
Grand Kru	11	4	4	43	15
Lofa	2	0	0	26	3
Margibi	1	0	0	25	12
Maryland	0	0	0	12	6
Montserrado	5	3	3	68	36
Nimba	3	1	1	38	8
Rivercess	2	0	0	5	0
River Gee	4	0	0	18	0
Sinoe	2	0	0	12	1
Total	41	9 (22%)	8	326	90 (28%)
Legend	1-2 doses		3-4 doses		5 doses

Public Health Actions

☞ Ongoing monitoring and follow-up of cases



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Meningitis

- ☞ Zero cases reported
- ☞ Cumulatively, five (5) suspected cases reported
 - Proportion of suspected cases with samples collected (4/5) 80%
 - Proportion of sample tested (3/4) 75%

Monkeypox

- ☞ One (1) case reported from Rivercess County
- ☞ Specimens collected and pending testing
- ☞ Cumulatively, twenty-two (22) suspected cases reported
- ☞ Four confirmed: Lofa (2), and Rivercess (2)

Table 8: Summary of Monkey pox Outbreak, Liberia, Dec 5, 2022-Feb 19, 2023

County	Outbreak Start Date	Outbreak Districts	Total suspected cases	Total confirmed cases	Total Deaths	CFR %	Total Contacts	# HCW contacts	Contacts under follow up	Contacts completed
Rivercess	Dec 5 to date	Central "C"	3	2	0	0.0	16	2	10	6
	Dec 22 to date	Jo-River	1	1	0	0.0	6	2	6	0
Lofa	Dec 22 to date	Salayea	3	1	0	0.0	15	0	0	15
	Dec 22 to date	Voinjama	2	1	0	0.0				

Outbreak

Monkeypox:

- ☞ One (1) new confirmed case reported
- ☞ Total confirmed cases reported: 5
- ☞ Counties currently in outbreak: 2
- ☞ Fourteen contacts under follow-up

Public Health Measures

I. Coordination

- National Public Health Institute of Liberia (NPHIL) and the Ministry of Health (MOH) along with partners are providing technical and financial support to affected counties

II. Epidemiological Surveillance

- Active case search, case investigation, and contact tracing ongoing in the affected and neighboring communities and districts
- Development and dissemination of Sitrep by affected county and national

III. Case management and IPC

- Symptomatic treatment of the suspected case initiated
- IPC measures instituted in affected communities and schools



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IV. Risk Communication and Community Engagement

- Community engagement and awareness with local leaders and community health development committees in the affected community and surrounding towns ongoing

Key Challenges

- No specimen collection kits for Monkeypox in Rivercess County
- No support from county-based partners for response activities
- Limited IPC materials for response activities
- Limited copies of monkeypox standard case definitions

Events of Public Health Importance

Maternal Mortality

- Three (3) deaths were reported from Grand Gedeh (2), and Lofa (1) Counties
Reported causes: Anesthetic complication (2), and Eclampsia (1)
- Reported sites:
 - Health facility: 3/3 (100%)
- Cumulatively, thirty-three (33) deaths reported
 - Proportion of death reviewed (23/33) 70%
 - Proportion of community death (7/33) 21%

Neonatal Mortality

- Six (6) deaths were reported: Montserrado (3), Maryland (1), Lofa (1), and Rivercess (1) Counties
- Reported causes: Birth Asphyxia (3), Sepsis (3)
- Reporting sites:
 - Health facility: 6/6 (100%)
- Cumulatively, sixty-four (64) deaths reported

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

- Five (5) cases were reported from Grand Bassa (4), and Grand Gedeh (1) Counties
- Related vaccine:
 - Penta (3/5) 60%
 - COVID-19 (2/5) 40%
- Cumulatively, twenty-nine (29) events were reported and COVID-19 accounted for (18/29) 62%

Border Surveillance Update

- A total of 6,247 travelers were recorded for the week with incoming travelers accounting for 58% (3,621/6,247)

Table 9: Border activity at the PoE for Incoming and Outgoing Travelers, Liberia, Epi week 7, 2023

Type of Ports	Point of Entry	Weekly total	Arrival	Departure	Total travelers with YB	Yellow Book Damage	Card Replaced	Travelers Vaccinated against YF & Issued book	Alerts detected/ Verified	COVID-19 Reactive	Evidence of COVID-19 vaccination card/certificate
Airport	James S. Paynes	17	11	6	12	0	0	0	0	0	12
	Robert Int'l Airport	4348	2597	1751	3584	43	0	7	0	0	3600
Seaport	Freeport of Monrovia	172	86	86	172	0	0	0	0	0	172
	Buchanan Port	122	61	61	122	0	0	0	0	0	122
Land Crossing	Bo Water Side	1150	641	509	1142	0	2	6	0	0	1128
	Ganta	196	107	89	54	2	5	0	0	0	81
	Yekepa	36	18	18	29	0	0	0	0	0	28
	Loguatu	206	100	106	158	0	0	0	0	0	130
Total		6,247	3,621	2,626	5,273	45	7	13	0	0	5,273

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 financial and remote technical support to counties
- ✚ Producing and circulating situational reports (Measles, Lassa fever, and Monkeypox)

County-level

✚ Coordination

- Ongoing IMS meetings in outbreak counties
- Partner coordination and resource mapping

✚ Surveillance

- 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

		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	
0																				
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	0	7	0
		D 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Measles	A 6	7	3	12	4	4	66	9	7	27	42	4	1	0	2	194	991	9	
		D 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0
	Neonatal Tetanus	A 0	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	0	
Yellow fever	A 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	
	D 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Viral Hemorrhagic Fe	Dengue fever	A 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		D 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Ebola Virus Disease	A 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	D 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Lassa fever	A 0	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	6	40	15	
	D 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	
Influenza-Like	COVID-19	A 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		D 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Influenza Like Illnesses	A 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	
		D 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diarrheal Disea	Acute Bloody Diarrhoea (Shigellosis)	A 0	0	0	0	0	2	2	1	1	0	0	0	0	0	0	2	8	53	0
		D 0	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	0	0	0	0	0	0	0	0	0	1	0	0	0	1	55	0	
		D 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Events of Public Health	Maternal Mortality	D 0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	3	33		
	Neonatal Mortality	D 0	0	0	0	0	0	0	1	0	1	3	0	1	0	0	6	64		
	AEFI	A 0	0	0	4	0	1	0	0	0	0	0	0	0	0	0	5	29	0	
		D 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Unexplained Cluster of Health Events/Disease	A 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		D 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other Reportable Diseases	Monkeypox	A 0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	22	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	0
		D 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Human Exposure to Rabies (Suspected Human)	A 0	5	1	1	0	4	11	2	1	0	5	3	2	4	2	41	326	0	
		D 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Meningitis	A 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	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	0
		D 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Neglected Tr	Buruli Ulcer	A 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		D 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Yaws	A 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		D 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL		6	17	4	18	0	13	0	14	0	28	0	8	0	4	6	265	1649	19	

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: $\geq 80\%$). The time requirement for weekly IDSR reports:
 - Health facility - required on or before 5:00 pm every Saturday to the district level
 - Health district - required on or before 5:00 pm every Sunday to the county level
 - County - required on or before 5:00 pm every Monday to the national level
- ☞ **Non-polio AFP rate** is the proportion of non-polio AFP cases per 100,000 among the estimated population under 15 years of age in 2017 (annual target: $\geq 2/100,000$)
- ☞ **Non-measles febrile rash illness rate** refers to the proportion of Negative measles cases per 100,000 population
- ☞ **Annualized maternal mortality rate** refers to the maternal mortality rate of a given period less than one year and it is the number of maternal deaths per 100,000 live births
- ☞ **Annualized neonatal mortality rate** refers to the neonatal mortality ratio of a given period less than one year and it is the number of neonatal deaths per 1,000 live births
- ☞ **Epi-linked** refers to any suspected case that has not had a specimen taken for serologic confirmation but is linked to a laboratory confirmed case
- ☞ **Confirmed case** refers to a case whose specimen has been tested positive or reactive upon laboratory testing, or has been classified as confirmed by either epidemiologic linkage with a confirmed case, or clinical compatibility with the disease or condition

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For comments or questions, please contact

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Data sources

Data and information is provided by the fifteen County Surveillance Officers and National Public Health Reference Laboratory via regular weekly reports, telephone calls and email exchanges. Situations are evolving and dynamic therefore numbers stated are subject to change.