



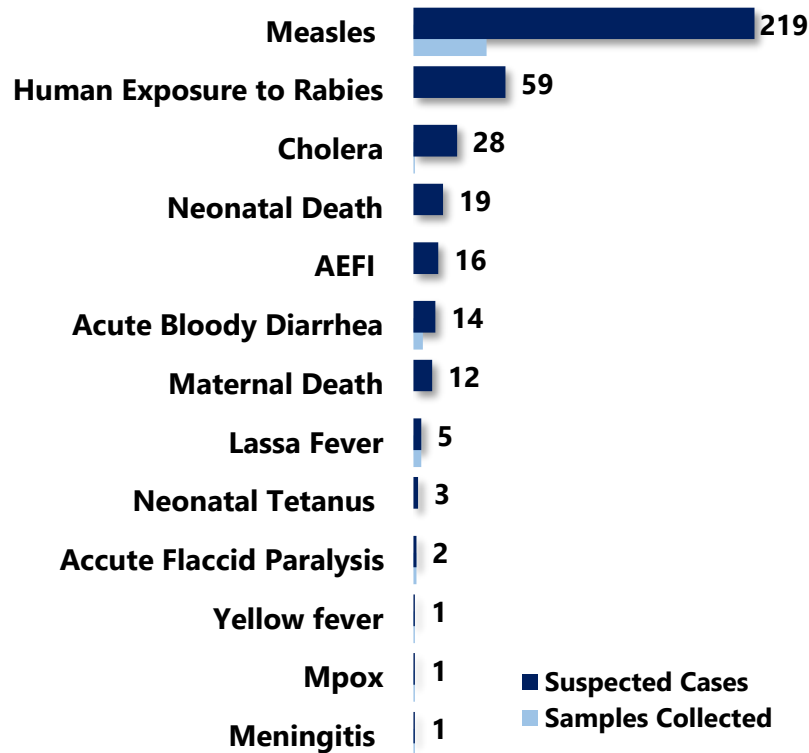
Liberia IDSR Epidemiology Bulletin

Epi-week 9 (Feb 27 – March 5, 2023)

Country Population: 5,104,413 | Volume 18 Issue 9 || Feb 27 – March 5, 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 **380 events** of public health importance including **33 deaths** reported
- ◆ **Completeness and timeliness** of health facility reports were **100% and 99%**
- ◆ **Ongoing Lassa fever** outbreak in 4 Counties
- ◆ **Ongoing Measles** outbreak in 11 Counties
- ◆ **Ongoing Mpox** outbreak in 2 Counties

Adverse Events Following Immunization/Adverse Drug Reaction

Reporting Coverage

Table 1: Health Facility Weekly IDSR Reporting Coverage, Liberia, Epi-week 9, 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	410	100	98
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	969	100	99

977(100%)
Health facilities reported IDSR data

93 (100%)
Health districts reported IDSR data

969(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

- ☛ Two hundred nineteen (219) suspected cases were reported from 15 Counties (see distribution in table 2)
- ☛ Forty-seven (47) specimens collected and pending testing
- ☛ One hundred thirty-two (132) were vaccinated (see distribution in table 3)

Table 2: Distribution of Measles cases per county and epi-classification, Liberia, Epi week 9, 2023

COUNTY	CURRENT WEEK		CUMULATIVE DEATHS	CLASSIFICATION OF CONFIRMED CASES wk 1-9			CUMULATIVE CONFIRMED CASES WEEK 1-9	CFR (%)
	SUSPECTED	LAB CONFIRMED		Lab confirmed	Epi-Linked	Clinically Compatible		
Bomi	8	0	0	2	24	4	30	0.0
Bong	15	0	1	2	73	14	89	1.1
Gbarpolu	4	0	0	0	14	12	26	0.0
Grand Bassa	13	0	0	0	73		73	0.0
Grand Cape Mount	4	0	0	1	18	1	20	0.0
Grand Gedeh	13	0	0	0	7	42	49	0.0
Grand Kru	42	0	2	0	359	1	360	0.6
Lofa	2	0	0	0	19	9	28	0.0
Margibi	17	0	0	0	65	1	66	0.0
Maryland	14	0	0	0	228	1	229	0.0
Montserrado	57	0	0	1	267	2	270	0.0
Nimba	15	0	2	1	106		107	1.9
River Gee	3	0	0	0	9	13	22	0.0
Rivercess	1	0	0	0	10	2	12	0.0
Sinoe	11	0	0	2	10	23	35	0.0
Total	219	0	5	9	1,282	125	1,416	4

Table 3: Vaccination Status of Measles Cases, Liberia, Epi week 9, 2023

County	Vaccinated	Number of Doses Received		
		One Dose	Two Doses	Doses Not indicated
Bomi	8	0	8	0
Bong	8	3	2	3
Gbarpolu	4	4	0	0
Grand Bassa	7	2	1	4
Grand Cape Mount	3	3	0	0
Grand Gedeh	3	2	1	0
Grand Kru	8	3	4	1
Lofa	2	2	0	0
Margibi	15	15	0	0
Maryland	2	0	0	2
Montserrado	51	33	18	0
Nimba	13	7	1	5
River Gee	3	0	2	1
Sinoe	5	0	0	5
Total	132	74	37	21



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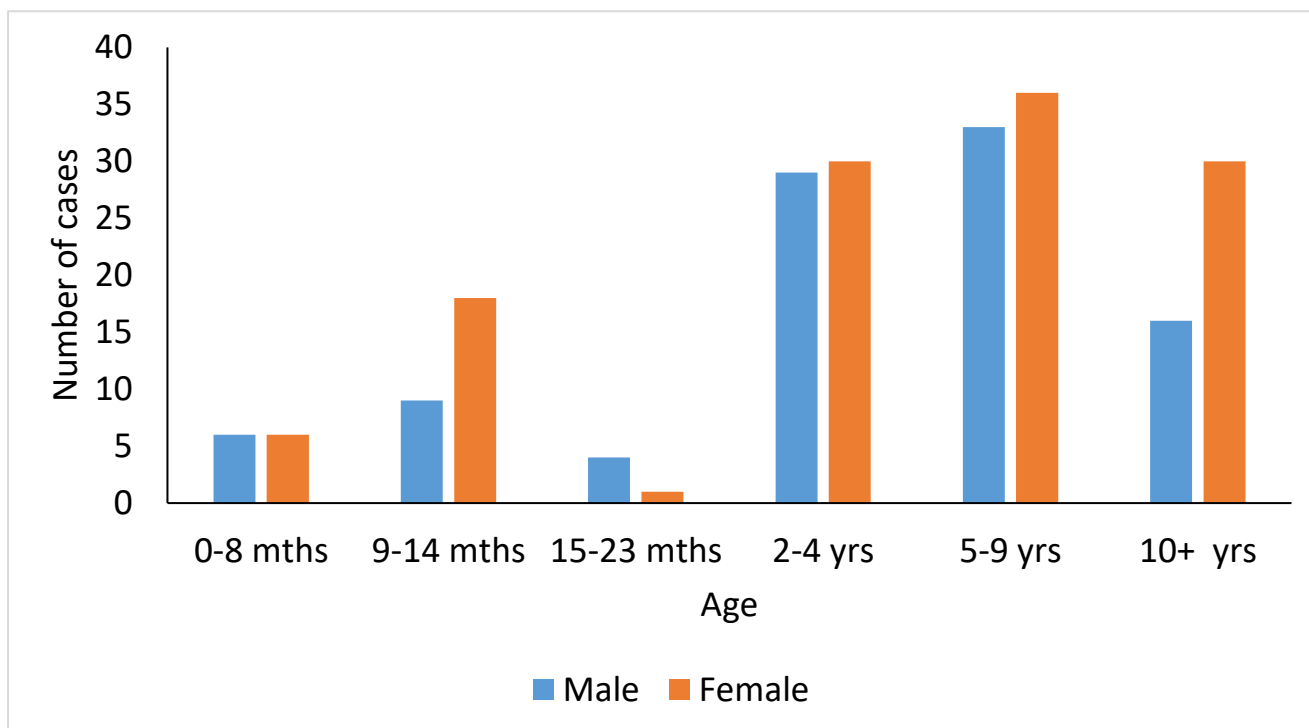


Figure 2: Distribution of Measles Cases by Age and Sex, Liberia Epi week 9, 2023

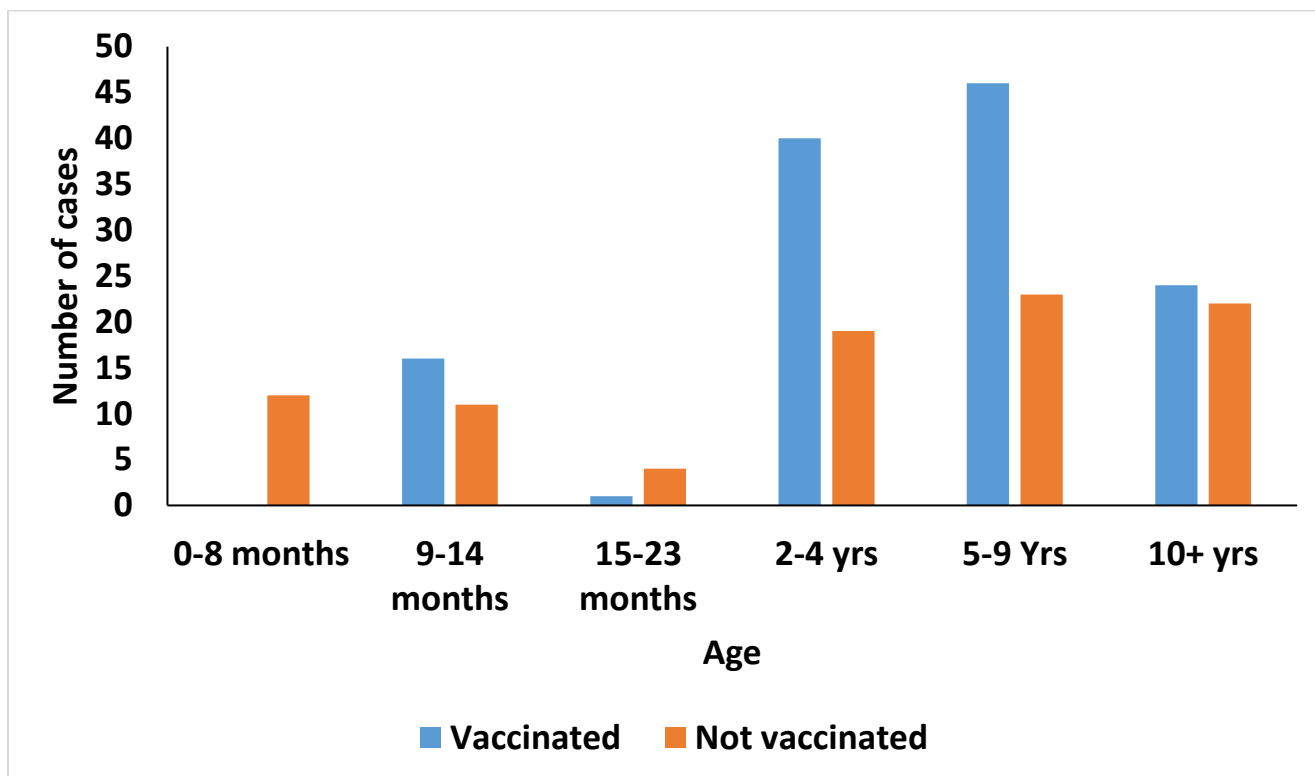


Figure 3: Vaccination Status of Measles Cases by Age group, Liberia, Epi-week 9, 2023



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Outbreak Section

Table 4: Summary Distribution of Measles Cases and Deaths, December 13, 2021- March 5, 2023

COUNTY	CUMULATIVE SUSPECTED CASES	CUMULATIVE CONFIRMED CASES	CLASSIFICATION OF CONFIRMED CASES			CLASSIFICATION OF CONFIRMED DEATHS			CUMULATIVE DEATHS	CFR (%)	# CONFIRMED CASES WEEK 8	# CONFIRMED CASES WEEK 9	% CHANGE	Outbreak Status
			Lab confirmed	Epi Linked	Clinically Compatible	Lab confirmed	Epi Linked	Clinically Compatible						
Montserrado	4,639	4,577	141	4,282	154	3	61	3	67	1.6	27	57	111	Ongoing
Nimba	879	851	37	776	38	0	0	2	3	0.1	19	15	21	Ongoing
Margibi	679	658	33	617	8	0	1	1	1	0	14	17	18	Ongoing
Grand Bassa	846	809	40	667	102	1	6	0	7	1	22	10	-54	Ongoing
Lofa	268	208	32	137	39	0	0	0	0	0	3	2	-33	Ongoing
Bong	464	444	19	380	45	0	1	2	3	0.6	16	10	-38	Ongoing
Maryland	606	598	22	558	19	0	0	0	0	0	19	12	-36	Ongoing
Grand Gedeh	267	154	30	91	33	0	0	0	0	0	0	6	-	Ongoing
Sinoe	199	161	33	58	70	0	0	0	0	0	0	6	-	Ongoing
Bomi	140	115	33	66	16	1	2	2	5	7.4	0	8	-	Ongoing
Grand Cape Mt	168	148	16	105	27	0	2	1	3	2.7	3	3	-	Ongoing
Grand Kru	604	578	16	556	6	0	2	0	2	0	52	40	-23	Ongoing
Gbarpolu	84	70	5	60	5	0	0	0	0	0	6	4	-33	Ongoing
Rivercess	102	83	22	54	7	0	1	0	1	1.3	0	0	-	Ended
River Gee	14	4	3	0	1	0	0	0	0	0	0	6	-	Ended
Total	9,959	9,459	482	8,407	570	5	76	11	92	1.5	181	196		

Public Health Response

I. Coordination

- Conducting daily coordination meetings to solicit support from stakeholders
- 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 (Margibi, Gbarpolu, Grand Kru, Maryland, Nimba, and Grand Bassa).
 - Active case search
 - Line listing of cases

III. Case Management

- Initiated treatment at the health facility and sent for home-based isolation and management (Bong, Grand Gedeh, Grand Bassa, Gbarpolu, Maryland, and Nimba)
- Eight cases were isolated at the Mary Meal health facility in Bomi County

IV. Laboratory

- Specimens were collected from 12 districts in 9 counties for testing (Bong-Penta, GCM-Gola Konneh, Grand Gedeh-Gbao, Putu, and Cavalla and Konobo, Sinoe-Jaetae, River Gee-Gbeapo, Grand Kru-Jroah, and Trehn, Rivercess-Yarnie)

V. Immunization

- Measles vaccine outreach is ongoing in affected and surrounding communities in Bong County

VI. Risk Communication and Community Engagement

- Community advocacy meeting with local leaders and family members in the affected communities ongoing in Grand Kru County



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- Awareness and health education are ongoing on the prevention and control of Measles at the health facility and community levels in Gbarpolu and Grand Kru Counties
- Regular radio talk shows to create awareness and health education on the spread and prevention of Measles ongoing in Grand Kru, Nimba, and Grand Bassa Counties)

Acute Flaccid Paralysis (AFP)

- ☞ Two (2) cases were reported from Bong and Grand Gedeh Counties
- ☞ Specimens were collected and shipped
- ☞ Cumulatively, eleven (11) cases were reported

Neonatal Tetanus

- ☞ Three (3) cases were reported from Montserrado (2 including 1 death) and Maryland (1) Counties
- ☞ Cumulatively, twelve (12) cases reported

Influenza-Like Illnesses

Coronavirus Disease (COVID-19)

Outbreak

- ☞ No new confirmed cases reported
- ☞ Cumulatively, eight thousand, twenty-two (8,022) 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

Viral Hemorrhagic Diseases

Lassa fever

- ☞ Five (5) suspected cases were reported from Montserrado (3 including 1 death), and Bong (2) Counties
- ☞ Four (4) specimens were collected: 2 tested positive (Bong & Montserrado) and 2 negative
- ☞ Cumulatively, sixty-two (62) suspected cases reported
 - Proportion of suspected cases with a sample collected (52/62) 84%
 - Proportion of suspected cases with sample tested (52/53) 98%

Current Outbreak

Lassa fever disease

- ☞ Two (2) new confirmed cases were reported
- ☞ Twenty-one (21) contacts under 21 days' follow-up
- ☞ Cumulatively, sixty-six (66) laboratory-confirmed cases including 15 deaths reported (CFR=24%)



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Table 5: Summary of Lassa fever Confirmed Cases Reported in Epi week 9, 2023

Age (Yrs)	Sex	Outcome	Occupation	Community of resident	District of outbreak	Reporting County	Date of Onset	Date of Adm.	Hospital	Date specimen collected	Date specimen sent to Lab.	Date ribavirin initiated	Date case confirmed	Total contacts	Total HCWs contacts
52 yrs	F	Dead	Unknown	Wennih Town, Kakata	Central Mon	Mont	9-Feb-23	1-Mar-23	J.F.K hosp.	1-Mar-23	2-Mar-23		3-Mar-23	6	5
27 yrs	F	Alive	CU Student	Plato Town	Suakoko	Bong	2-Feb-23	27-Feb-23	Phebe hosp.	27-Feb-23	28-Feb-23	Not initiated	7-Mar-23	8	2

Table 6: Summary of Lassa fever Outbreak, Liberia, Jan 6, 2022-March 5 2023

County	Outbreak Dates	District of Outbreak	Total suspected cases	Total confirmed cases	Total confirmed cases in HCWs	Total Deaths	CFR %	Total contacts	Total HCWs contacts	Total contact completed	Total contacts under follow-up
Bong	Jan. 6, 2022, to date	Suakoko	108	38	8	8	21	366	200	358	8
Nimba	Feb. 6, 2022	Sanniouli-Mah	3	2	0	0	0	43	35	43	0
Grand Bassa	Sept. 9, 2022 to date	District #3 A&B	46	23	0	6	26	121	19	114	7
Montserrado	13-Feb-23	Bushrod Island	3	3	0	2	67	19	11	13	6
Total		4	160	66	8	16	24	549	265	528	21

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

- ☞ One (1) case was reported from Grand Gedeh County
- ☞ Specimen was collected and pending testing
- ☞ Cumulatively, twelve (12) suspected cases reported



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- Proportion of suspected cases with samples collected (12/12) 100%
 - Three samples were collected but not transported (Epi week 5 from Grand Gedeh, River Gee, and Grand Kru Counties)
- Proportion of samples collected and tested (8/12) 67%
 - Negative- 8
 - Pending testing -1 (Grand Gedeh)

Ebola Virus Disease

☞ Zero suspected cases reported

Diarrheal Diseases

Acute Bloody Diarrhea (Suspected Shigellosis)

- ☞ Fourteen (14) cases were reported from Sinoe (5), Rivercess (3), Maryland (2), Grand Bassa (2), Lofa (1), and Margibi (1) Counties
- ☞ Six (6) specimens were collected: 1 tested negative, 3 pending testing, and 2 pending arrival at the lab
- ☞ Cumulatively, eighty (80) cases reported

Severe Acute Watery Diarrhea (Suspected Cholera)

- ☞ Twenty-eight (28) cases were reported from Lofa (8), Sinoe (6), Bong (5), Nimba (3), Grand Kru (3), River Gee (2), and Margibi (1) Counties
- ☞ One specimen was collected and pending testing
- ☞ Cumulatively, ninety-two (92) suspected cases reported

Other Reportable Diseases

Animal bite (Human Exposure to Rabies)

☞ Fifty-nine (59) animal bite cases were reported:

Table 7: Distribution of Animal bite cases and PEP administration per county, Liberia, Epi week 9, 2023

Counties	Cases	Person receiving PEP	PEP doses administered	Cumulative cases (Wk 1-9)	Cumulative PEP administered (Wk 1-9)
Bomi	3	3	3	11	1
Bong	4	2	3	28	9
Gbarpolu	0	0	0	5	0
Grand Bassa	9	2	4	42	3
Grand Cape Mount	3	2	2	18	3
Grand Gedeh	1	0	0	21	1
Grand Kru	6	0	0	51	15
Lofa	4	0	0	33	3
Margibi	3	1	1	30	14
Maryland	3	3	1	16	9
Montserrado	12	2	5	99	51
Nimba	7	1	1	54	12
Rivercess	2	1	1	10	0
River Gee	1	0	0	20	2
Sinoe	1	0	0	17	1
Total	59	17 (29%)	21	455	124(27%)

Legend

1-2 doses

3-4 doses

5 doses



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Public Health Actions

☞ Ongoing monitoring and follow-up of cases

Meningitis

- ☞ One case was reported from River Gee County
- ☞ Specimen was collected and pending testing
- ☞ Cumulatively, seven (7) suspected cases reported
 - Proportion of suspected cases with samples collected (6/7) 86%
 - Proportion of sample tested (5/7) 71%

Mpox

- ☞ One case was reported from Grand Cape Mount County
- ☞ Specimen collected and tested positive
- ☞ Cumulatively, twenty-six (26) suspected cases reported
- ☞ Six confirmed: Lofa (2), Rivercess (2), and Grand Cape Mount (2)
- ☞ Sixteen contacts under follow-up

Table 8: Summary of Mpox Outbreak, Liberia, Dec 5, 2022-March 5 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
Grand Cape Mount	Feb.24 to date	Garwula	2	2	0	0.0	5		6	0
Rivercess	Dec. 5 to date	Central "C"	3	2	0	0.0	20	2	10	6
	Dec. 5 to date	Jo River	1	1	0	0.0	6	2	6	0

Outbreak

Mpox:

- ☞ One (1) new confirmed case reported from Grand Cape Mount County
- ☞ Total confirmed cases reported: 6
- ☞ Counties currently in outbreak: 3

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 support from county-based partners for response activities
- Limited IPC materials for response activities
- Limited copies of Mpox standard case definitions

Events of Public Health Importance

Maternal Mortality

Twelve (12) deaths were reported from Montserrado (5), Grand Bassa (3), Nimba (2), Grand Kru (1), and Bong (1) Counties

Reported causes: PPH (4) Eclampsia (4), Retained placenta (2), Sepsis (1), and Severe anemia (1),

Reported sites:

- Health facility: (8/12) 67%
- Community: (4/12) 33%

Cumulatively, forty-nine (49) deaths reported

- Proportion of death reviewed (23/49) 47%
- Proportion of community death (11/49) 22%

Neonatal Mortality

Nineteen (19) deaths were reported: Montserrado (16), Rivercess (2), and Sinoe (1) Counties

Reported causes: Birth Asphyxia (9), Sepsis (8), and Neonatal tetanus (2)

Reporting sites:

- Health facility: 19/19 (100%)

Cumulatively, one hundred-one (101) deaths reported

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

Sixteen (16) cases were reported from Grand Cape Mount (10), Grand Kru (3), Grand Bassa (2), Nimba (1) Counties

All reported cases were non-serious

Related vaccine:

- Penta (3/16) 19%
- COVID-19 (12/16) 75%
- TT (1/16) 6%

Cumulatively, fifty-seven (57) events were reported and COVID-19 accounted for (31/57) 54%



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Border Surveillance Update

A total of 5,194 travelers were recorded for the week with incoming travelers accounting for 52% (2,677/5,194)

Table 9: Border activity at the PoE for Incoming and Outgoing Travelers, Liberia, Epi week 9, 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	0	0	0	0	0	0	0	0	0	0
	Robert Int'l Airport	3929	2099	1830	3884	41	0	3	0	0	3875
Seaport	Freeport of Monrovia	206	103	103	206	0	0	0	0	0	206
	Buchanan Port	86	43	43	86	0	0	0	0	0	86
Land Crossing	Bo Water Side	646	287	359	645	0	1	0	0	0	639
	Ganta	187	67	120	180	0	0	6	0	0	29
	Yekepa	44	26	18	36	0	0	0	0	0	34
	Loguatu	96	52	44	76	0	0	0	0	0	53
Total		5,194	2,677	2,517	5,113	41	1	9	0	0	4,922

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

Public Health Measures

National level

- ☛ Completed health facility spot-check in Bushrod, Central Monrovia, and Commonwealth Districts, Montserrado County
- ☛ IDSR data harmonization ongoing in all 15 Counties

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

		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	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2	11	0	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Measles	A	8	15	4	13	4	13	42	2	17	14	57	15	3	1	11	219	1,416	9	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0
	Neonatal Tetanus	A	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2	9	0	
		D	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	3	0	0
	Yellow fever	A	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	12	0	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Viral Hemorrhagic Febrile	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	2	0	0	0	0	0	0	0	0	2	0	0	0	0	4	54	18	0
		D	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	8	5	0
Influenza-Like Illnesses	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	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diarrheal Diseases	Acute Bloody Diarrhoea (Shigellosis)	A	0	0	0	2	0	0	1	1	2	0	0	3	0	5	14	102	0	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	5	0	0	0	0	3	8	1	0	0	3	0	2	6	28	92	0	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Events of Public Health Interest	Maternal Mortality	D	0	1	0	3	0	0	1	0	0	0	5	2	0	0	0	12	49	0	0
		D	0	0	0	0	0	0	0	0	0	0	16	0	2	0	1	19	82	0	0
	AEFI	A	0	0	0	2	10	0	3	0	0	0	0	1	0	0	0	16	57	0	0
		D	0	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	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Reportable Diseases	Mpox	A	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	26	4	0
		D	0	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 Ra+ bbies (Suspected H1N1)	A	3	4	0	9	3	1	6	4	3	3	12	7	2	1	1	59	455	0	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	1	0	1	7	0	0
		D	0	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 Tropical Diseases	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		11	28	4	29	0	16	0	15	0	20	0	28	0	5	24	380	2395	27	0	

Summary of Immediately Reportable Diseases, Conditions, and Events by County

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 of 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 of 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.