



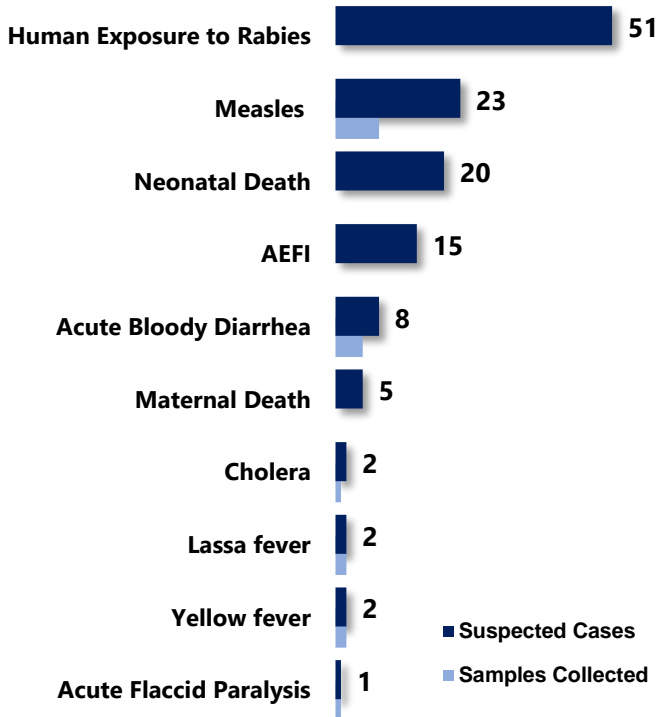
Liberia IDSR Epidemiology Bulletin

2024 Epi-week 28 (July 8 – 14)

Country Population: 5,406,374 | Volume 20 Issue 28 | July 8 – 14, 2024 | 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 **129 events** of public health importance, including **27 deaths** reported
- ◆ **Completeness and Timeliness** of health facility reports were **98%** and **97% respectively**
- ◆ **Ongoing Lassa fever outbreak** in one County
- ◆ **Ongoing Measles outbreak** in five Counties

Reporting Coverage

Table 1: Health Facility Weekly IDSR Reporting Coverage, Liberia, Epi-week 28, 2024

County	Expected Reports from HF*	Reports Received	Received on Time	Completeness (%)	Timeliness (%)
Bomi	29	29	29	100	100
Bong	64	64	64	100	100
Gbarpolu	18	18	18	100	100
Grand Bassa	38	38	38	100	100
Grand Cape Mount	36	36	36	100	100
Grand Gedeh	25	25	24	100	96
Grand Kru	25	25	25	100	100
Lofa	61	61	61	100	100
Margibi	64	64	64	100	100
Maryland	28	28	28	100	100
Montserrado	391	367	365	94	93
Nimba	102	102	102	100	100
Rivercess	21	21	21	100	100
River Gee	21	21	21	100	100
Sinoe	41	41	41	100	100
Liberia	964	940	937	98	97

940 (98%) Health facilities reported IDSR data

98(100%) Health districts reported IDSR data

937(97%) Health facilities reported timely IDSR data

Legend: ≥80 <80

- ◆ The national target for weekly IDSR reporting is 80%, Bong and Maryland counties reported late. Health facility timeliness is monitored at the health district level

Vaccine-Preventable Diseases

Measles

- ☞ Twenty-seven (23) suspected cases were reported from Nimba (7), River Gee (5), Grand Kru (3), Sinoe (2), Maryland (2), Bong (1), Grand Gedeh (1), Lofa (1), and Montserrado (1) Counties
 - Eight (8) specimens were collected, and pending testing
 - Forty-three percent (10/23) of the suspected cases were vaccinated for measles (*see Table 3*)
- ☞ Cumulatively, 1231 suspected cases have been reported since Epi-week 1 (*see Table 2*)
 - Of the total reported 923 confirmed cases,
 - 53% were reported to have previously been vaccinated,
 - 37% were unvaccinated
 - 10% had unknown vaccination status
 - Fifty-one percent (473/923) of the confirmed cases are below 5 years
 - Proportion of suspected cases with sample collected 46% (561/1231)
 - Proportion of suspected cases with sample tested 81% (455/561) [negative – 306, positive –149, indeterminate-2]
 - Proportion of negative Measles cases tested for Rubella 94% (289/306) [negative – 264, positive – 25]
- ☞ Liberia’s annualized non-measles febrile rash illness rate now stands at 10.5 per 100,000. Montserrado County is below the target (*see Table 2*)

Table 2. Classification of measles, reporting rate, and annualized non-measles rash illness rate per 100,000 population by County, Liberia, Week 1-28, 2024

Reporting County	Epi-classification					Cumulative	Annualized Non Measles Febrile Rash Illness Rate
	Lab confirmed	Epi-linked	Clinically compatible	Indeterminate (Equivocal)	Discarded (Negative)		
Bomi	1	0	4	0	5	10	6.7
Bong	1	0	21	0	9	31	3.5
Gbarpolu	6	0	11	1	24	42	46.0
Grand Bassa	2	0	8	0	14	24	8.7
Grand Cape Mount	3	0	7	0	24	34	24.3
Grand Gedeh	33	28	62	0	32	155	26.4
Grand Kru	26	35	44	0	43	148	69.8
Lofa	0	0	20	0	13	33	6.4
Margibi	0	0	2	0	4	6	2.4
Maryland	21	6	163	0	8	198	8.5
Montserrado	3	0	22	0	17	42	1.6
Nimba	26	68	187	0	23	304	6.7
River Gee	20	13	50	1	31	115	45.4
Rivercess	0	0	3	0	6	9	11.7
Sinoe	7	1	19	0	53	80	63.7
Liberia	149	151	623	2	306	1231	10.5
Target Achieved	≥2		Below Target		<2		

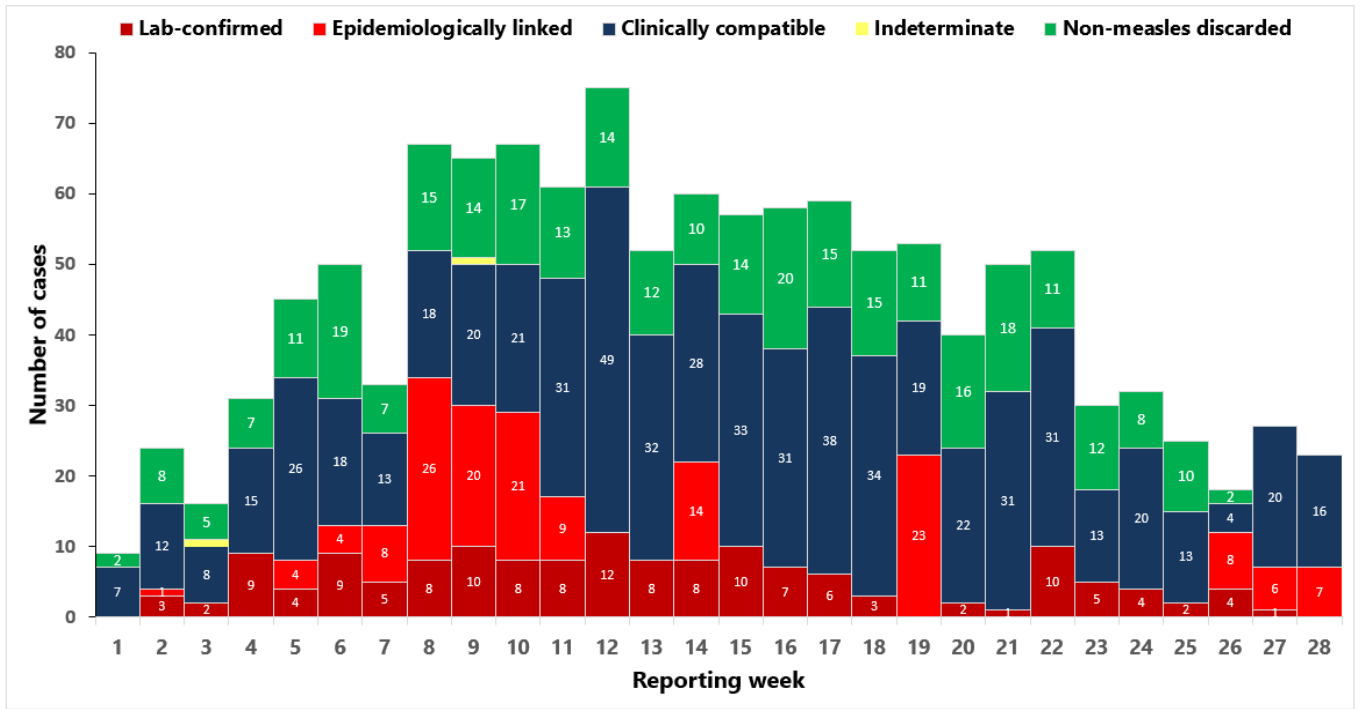


Figure 2: Distribution of Measles Cases by Reporting Week and Epi-classification, Liberia, Week 1-28, 2024

Table 3: Distribution and Vaccination Status of Measles Cases, Liberia, Epi-week 28, 2024

County	# of cases	Vaccinated	Number of Doses Received		
			One-Dose	Two Doses	Doses Not Indicated
Grand Cape Mount	1	0	0	0	0
Grand Gedeh	1	0	0	0	0
Grand Kru	3	0	0	0	0
Lofa	1	0	0	0	0
Maryland	2	0	0	0	0
Montserrado	1	1	1	0	0
Nimba	7	4	4	0	0
River Gee	5	3	0	0	3
Sinoe	2	2	2	0	0
Total	23	10	7	0	3

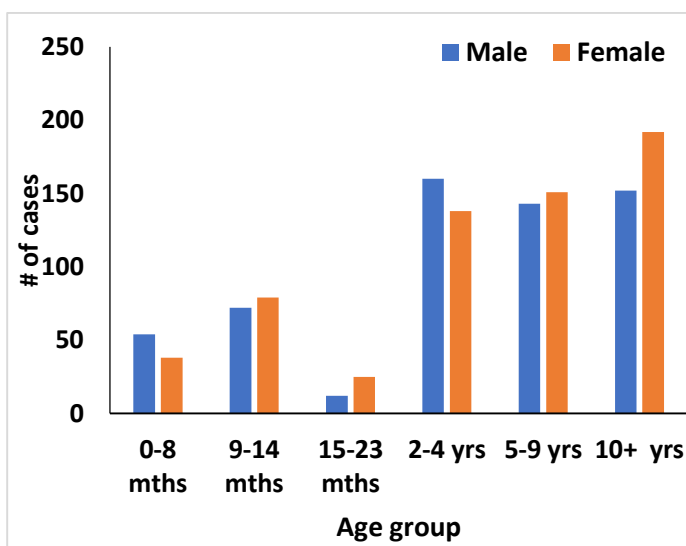


Figure 3: Suspected Measles Cases by Age group and Sex, Liberia Epi week 1-28, 2024

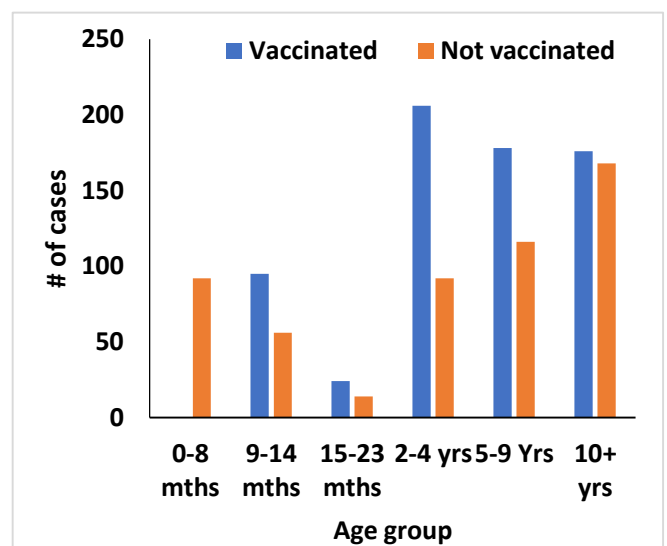


Figure 4: Suspected Measles Cases by Age Group and Vaccination Status, Liberia, Epi-Week 1-28, 2024

Table 4: Status of Confirmed Measles Cases by County, Liberia, December 13, 2021-July 14, 2024

County	Total Cases	Active	Recovery	Deaths	# of Districts
Montserrado	5,373	0	5,304	69	0/7
Nimba	1310	5	1301	4	4/6
Grand Bassa	924	0	917	7	0/8
Margibi	803	0	802	1	0/4
Bong	578	0	575	3	0/9
Maryland	1,316	2	1314	0	3/6
Lofa	292	0	292	0	0/6
Grand Kru	1,100	3	1095	2	3/5
Grand Cape Mount	187	0	184	3	0/5
Bomi	147	0	142	5	0/4
Rivercess	84	0	83	1	0/6
Gbarpolu	64	0	64	0	1/5
Grand Gedeh	602	0	602	0	0/6
River Gee	134	0	134	0	1/6
Sinoe	247	0	247	0	0/10
Total	13,161	10	13,056	95	12/98

Table 5: Status of Confirmed (lab, clinically confirmed, and epi-linked) Measles Cases by County, Liberia December 13, 2021- July 14, 2024

COUNTY	CUMULATIVE SUSPECTED CASES	CUMULATIVE CONFIRMED CASES	CLASSIFICATION OF CONFIRMED CASES			CLASSIFICATION OF CONFIRMED DEATHS			CUMULATIVE DEATHS	CFR (%)	# CONFIRMED MED CASES WEEK 27	# CONFIRMED CASES WEEK 28	Outbreak Status
			Lab confirmed	Epi Linked	Clinically Compatible	Lab confirmed	Epi Linked	Clinically Compatible					
Montserrado	5,456	5,373	148	1658	3,567	3	61	5	69	1.3	0	0	Ended
Nimba	1,335	1,310	59	327	924	0	1	3	4	0.4	6	5	Ongoing
Margibi	827	803	37	136	630	0	0	1	1	0.1	0	0	Ended
Grand Bassa	962	924	41	212	671	1	0	6	7	0.9	0	0	Ended
Lofa	361	292	35	66	191	0	0	0	0	0	0	0	Ended
Bong	603	578	25	21	532	0	1	2	3	0.5	0	0	Ended
Maryland	1325	1316	33	393	890	0	0	0	0	0	2	2	Ongoing
Grand Gedeh	754	604	83	121	400	0	0	0	0	0	0	0	Ended
Sinoe	302	247	48	88	111	0	0	0	0	0	0	0	Ended
Bomi	183	147	37	27	83	1	2	2	5	3	0	0	Ended
Grd Cape Mt	215	187	23	18	146	0	2	1	3	1.6	0	0	Ended
Grand Kru	1131	1,100	56	204	840	0	0	2	2	0.2	1	3	Ongoing
Gbarpolu	82	62	7	5	50	0	0	0	0	0	0	0	Ongoing
Rivercess	112	84	26	54	4	0	1	0	1	1.1	0	0	Ended
River Gee	167	134	33	51	50	0	0	0	0	0	1	1	Ongoing
Total	13,815	13,161	691	3,381	9,089	5	68	22	95	7.8	10	10	

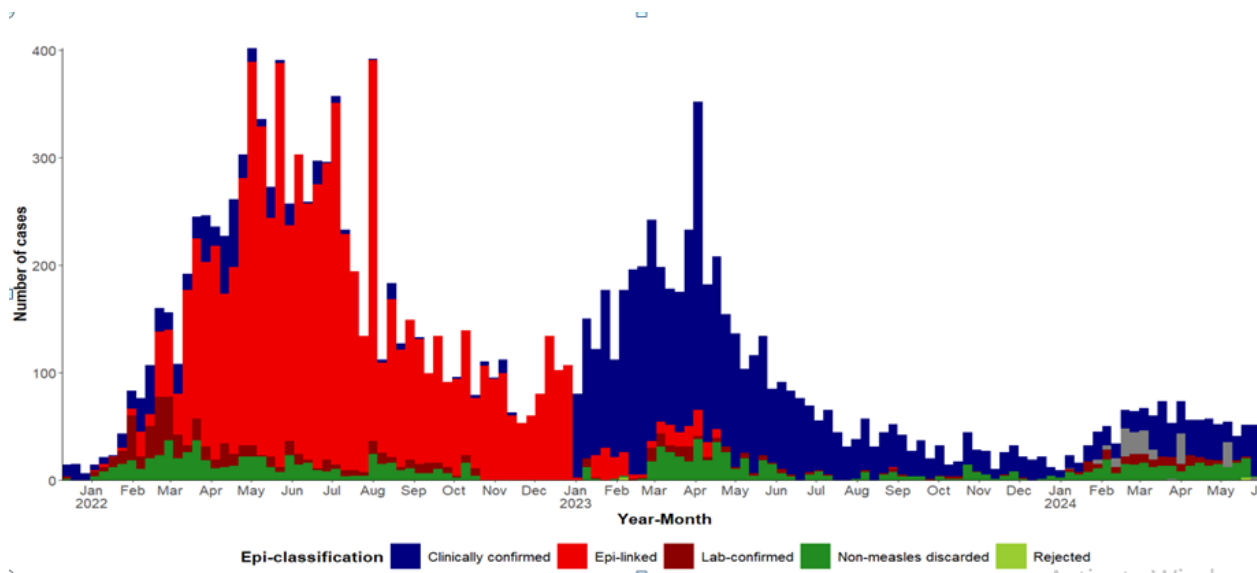


Figure 5: Epi-curve of Measles Cases by Epi-classification, Liberia, 13 December 2021 – 14 July 2024

PUBLIC HEALTH RESPONSE

I. Coordination

- The response has been led by the County Health Teams with technical support from the National Public Health Institute of Liberia (NPHIL), the Ministry of Health (MOH) and partners
- IMS meetings are being held for coordination and mobilization of resources in affected counties.

II. Epidemiological Surveillance

- Active case search in affected and surrounding communities ongoing in Grand Kru County
- Three districts (Buah, Trehn, and Dorbor districts in Grand Kru and Putu District in Grand Gedeh counties) outbreaks ended and the end of outbreak reports were shared.

III. Case management

- Case management ongoing in affected counties

IV. Immunization

- Routine immunization ongoing across the country

V. Laboratory

- The National Public Health Reference Laboratory continues testing of Measles samples
- A total of six hundred ninety-one (691) cases have been confirmed by the NPHRL from December 13, 2021 – July 14 2024.

VI. Risk Communication and Community Engagement

- Continual community advocacy meetings with local leaders and family members in the affected communities (Grand Kru).

VII. Challenges

- Limited supply of essential medications and medical supplies for case management in affected counties

Acute Flaccid Paralysis (AFP)

- ☞ One (1) case was reported from Rivercess County
 - Specimen was collected and shipped
- ☞ Cumulatively, seventy (70) cases have been reported
 - Thirty (30) tested negative, Two (NPENT), 38 pending testing

Neonatal Tetanus

- ☞ Zero cases were reported
- ☞ Cumulatively, Twenty-two (22) cases have been reported including six (6) deaths
- ☞ Adequate case response rate is (7/22) 32%
 - (2/7) 29% Died
 - (13/22) 59% Community detection

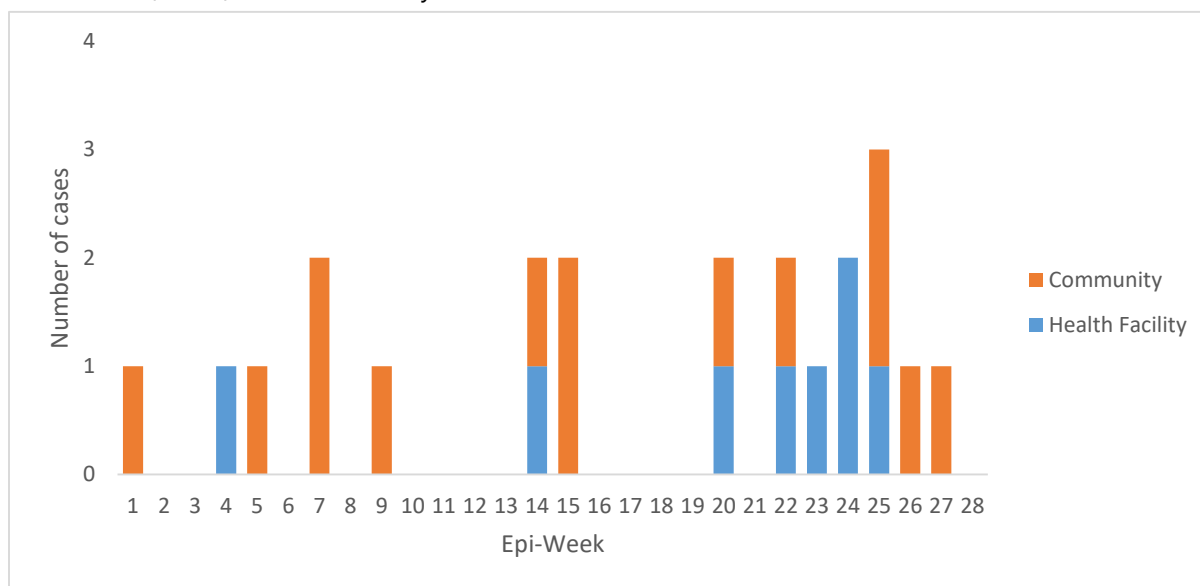


Figure 6: Neonatal Tetanus cases detection by Epidemiological week, Liberia, Epi-week 1-28, 2024

#of mothers of NT cases that received a TTCV dose in conjunction with case detection or investigation / total # of NT case investigation

Influenza-Like Illnesses

Coronavirus Disease (COVID-19)

- ☞ Zero suspected cases were reported
- ☞ Cumulatively, three (3) cases have been reported: two positive and one negative

Influenza

- ☞ Zero suspected cases were reported
- ☞ Cumulatively, seventy-one (71) suspected cases reported
 - Seventy-one (71) specimens were collected: 65 tested negative, 5 specimens were discarded and one positive for Influenza B

Viral Hemorrhagic Fever

Lassa fever

- ☞ Two (2) suspected cases were reported from Nimba (including 1 death), and Bong Counties
 - Specimens were collected: 1 tested negative and 1 pending testing
- ☞ Cumulatively, one hundred twenty-one (121) suspected cases have been reported
 - Proportion of suspected cases with sample collected (121/121) 100%
 - 4 discarded
 - Proportion of suspected cases with sample tested (115/121) 95%
 - Fifteen (15) positive including 4 deaths, 100 negative, 1 indeterminate, 1 pending testing
 - Case fatality rate: (4/15) 27%

II. Surveillance

- Active case search ongoing in affected communities
- All contacts completed 21 days follow up
- Weekly sit-reps developed and disseminated to stakeholders



Photos of field investigation in Bong & Bassa Counties, June 30 -July 7, 2024

III. Case management and IPC

- Ribavirin distributed to all affected counties
- Cases treated with ribavirin and discharged

IV. Laboratory

- The National Public Health Reference Laboratory continues testing of Lassa fever samples
- A total of 153 Lassa fever cases have been confirmed since this outbreak

Challenges

- Limited supply of IPC materials in affected counties
- Limited logistics (gasoline, communication cards, fuel, etc.) to support active case finding
- Lack of stationeries in EOC to produce case alert forms and others tools for investigations (Bong County)
- Lack of computer for the County Surveillance Officer (Bong County)

Yellow Fever

- ☞ Two (2) suspected cases were reported from Grand Cape Mount, and Grand Gedeh Counties
- ☞ All specimens were collected and pending testing
- ☞ Cumulatively, sixty (60) cases have been reported
 - Proportion of suspected cases with samples collected (57/60) 95%, however, 6 samples pending testing, 1 rejected
 - Proportion of suspected cases with samples tested (50/55) 91% : 49 negative , 1 indeterminate

Dengue

- ☞ zero suspected cases were reported
- ☞ Cumulatively, five (5) suspected cases were reported

Ebola Virus Disease

- ☞ Zero cases reported

Diarrheal Diseases

Acute Bloody Diarrhea (Suspected Shigellosis)

- ☞ Eight (8) cases were reported from Gbarpolu (2), Grand Gedeh (2), Grand Kru (1), Maryland (1), Rivercess (1), and Lofa (1) Counties
 - Five (5) specimens were collected: 3 pending testing and 2 pending arrival at the Lab
- ☞ Cumulatively, two hundred forty-two (242) cases have been reported
 - 141 specimens were collected, 109 reached the Lab
 - 89 tested negative, 7 rejected
 - 8 confirmed (*S. flexneri*-2 & *S. sonnei*-6)
 - 7 pending testing

Severe Acute Watery Diarrhea (Suspected Cholera)

- Two (2) cases were reported from Margibi and Lofa Counties
 - One specimen was collected and tested negative
- Cumulatively, one hundred sixty-eight (168) cases have been reported
 - 101 specimens collected, 72 reached the Lab
 - 54 tested negatives, 10 rejected and 8 pending testing

Other Reportable Diseases

Animal bite (Human Exposure to Rabies)

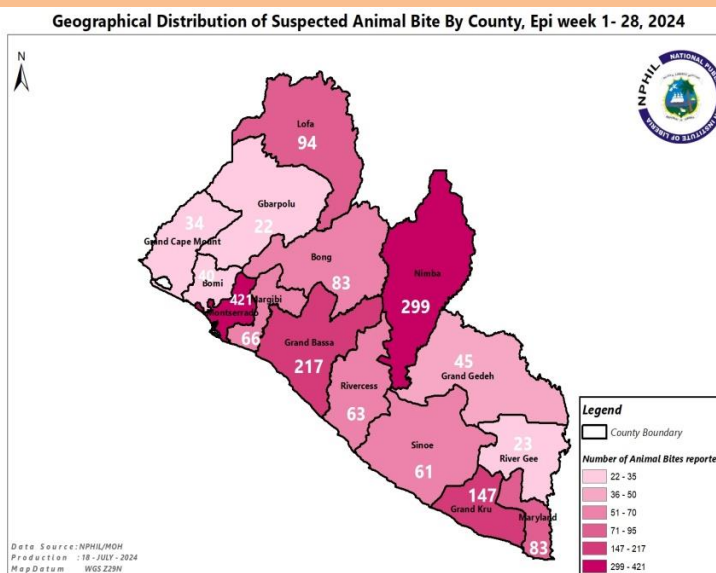
Fifty-one (51) dog bite cases were reported from Nimba (16), Montserrado (13), Grand Kru (4), Bong (4), Lofa (4), Grand Bassa (2), Margibi (2), Grand Cape Mount (2), Bomi (1), Grand Gedeh (1), River Gee (1), and Maryland (1) Counties

Proportion of cases investigated: (28/51) 55%

- Proportion of dogs vaccinated: (0/51) 0%
- Cumulatively, 1,687 cases have been reported including 2 deaths (Suspected Human Rabies)

Public Health Actions

- All cases were clinically managed and discharged
- PEP administered to eleven (11) persons (22%) in Lofa (3), Bong (2), Montserrado (2), Nimba (2), Maryland (1), and Grand Gedeh (1) Counties
- PEP supplied to Rivercess, Grand Bassa, Nimba, Montserrado and Sinoe counties



Meningitis

- Zero cases were reported
- Cumulatively, seventeen (17) suspected cases have been reported
 - Proportion of specimen collected (15/17) 88%, 2 specimens not collected
 - Proportion of specimens tested (15/15) 100% (14 negative, 1 positive)

Mpox

- Zero cases were reported
- Cumulatively, forty-eight (48) suspected cases have been reported with 41 samples collected:
 - Thirty-five (35) tested of which, 5 confirmed positive and 30 negative
 - 2 rejected, 3 pending testing and 1 discarded

Unexplained cluster of deaths

- Zero cases reported

An Unexplained Cluster of Health Events

- Zero cases reported

Other Events of Public Health Importance

Maternal Mortality

- Five (5) deaths reported from Nimba (3), Montserrado (1), and Grand Cape Mount (1) Counties
- Reported causes: Postpartum hemorrhage (5)
- Reporting sites:
 - Health facility (5/5) 100%
- Cumulatively, one hundred and eighty (180) deaths reported
 - Proportion of deaths reviewed (75/180) 42%

Table 7. Cumulative Maternal Mortality reporting rate and annualized Maternal Mortality per 100,000 live-birth by County, Liberia, Week 1-28, 2024

County	Estimated Annual Live birth (4.3%)	Current week	Cumulative	% of Cumulative Maternal deaths	Annualized Maternal Mortality
Grand Bassa	12875	0	16	8.9	231
Montserrado	85821	1	94	52.2	203
Grand Cape Mount	7881	1	7	3.9	165
Margibi	13467	0	10	5.6	138
Nimba	27301	3	23	12.8	156
Maryland	7531	0	5	2.8	123
Bomi	5943	0	3	1.7	94
Lofa	16113	0	8	4.4	92
Rivercess	4083	0	2	1.1	91
Grand Kru	4918	0	2	1.1	76
River Gee	5451	0	2	1.1	68
Grand Gedeh	9690	0	3	1.7	57
Bong	20585	0	4	2.2	36
Sinoe	6646	0	1	0.6	28
Gbarpolu	4169	0	0	0.0	0
Liberia	232474	5	180	100.0	144

Neonatal Mortality

- ☞ Twenty (20) deaths were reported from Montserrado (11), Maryland (6), , Nimba (1), Margibi (1), and River Gee (1) Counties
- ☞ Reported causes: Birth asphyxia (6), Respiratory failures (6), Sepsis (4), Prematurity (2), Neonatal Jaundice (1), and under investigation (2)
- ☞ Reported sites:
 - Health facility (20/20) 100%
- ☞ Cumulatively, four hundred seventy-seven (477) deaths reported
 - Proportion of deaths reviewed (128/477) 27%

Table 8. Cumulative Neonatal Mortality reporting rate and annualized Neonatal Mortality per 1,000 live birth by County, Liberia, Week 1-28, 2024

County	Estimated Annual Live birth (4.3%)	Current Week	Cumulative	% of Cumulative Neonatal deaths	Annualized Neonatal Mortality Rate/1,000
Maryland	7347	6	70	14.7	17.7
Grand Kru	3130	0	18	3.8	10.7
Montserrado	62479	11	281	58.9	8.4
Sinoe	5534	0	14	2.9	4.7
Rivercess	3865	0	8	1.7	3.8
Gbarpolu	4507	0	8	1.7	3.3
Grand Gedeh	6770	0	10	2.1	2.7
Bong	18775	0	18	3.8	1.8
Lofa	14911	0	12	2.5	1.5
Nimba	24970	1	20	4.2	1.5
Margibi	11345	1	9	1.9	1.5
River Gee	3610	1	3	0.6	1.5
Bomi	4546	0	2	0.4	0.8
Grand Bassa	11981	0	3	0.6	0.5
Grand Cape Mount	6868	0	1	0.2	0.3
Liberia (National)	190636	20	477	100.0	4.6

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

- ✎ Fifteen (15) cases were reported from Sinoe (10), River Gee (2), Lofa (1), Grand Bassa (1), and Margibi (1) Counties
- ✎ All were classified as non-serious
- ✎ Related vaccine:
 - Penta (14/15) 93%
 - Measles (1/15) 7%
- ✎ Cumulatively, six hundred thirty-eight (638) events were reported.

Neglected Tropical Diseases

YAWS

- ✎ Zero cases were reported

Buruli Ulcer

- ✎ Zero cases were reported

Border Surveillance Update

A total of 5875 travelers were recorded from eight (8) designated out of forty-five (45) official POEs with incoming travelers accounting for 52% (3053/5875)

Table 9: Border activity at the PoE for incoming and outgoing travelers, Liberia, Epi week 28

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
Airport	James S. Paynes	0	0	0	0	0	0	0	0
	Robert Int'l Airport	4340	2299	2041	4253	1	37	0	0
Seaport	Freeport of Monrovia	226	113	113	226	0	0	0	0
	Buchanan Port	86	43	43	86	0	0	0	0
Ground Crossing	Bo Water Side	754	352	402	748	0	6	0	0
	Ganta	95	49	46	34	6	6	0	0
	Yekepa	61	34	27	13	0	0	0	0
	Loguatu	313	163	150	289	0	0	0	0
Total		5,875	3053	2822	5649	7	49	0	0

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

Public Health Measures

National level

- ✎ Providing remote technical and operational support to counties
- ✎ Produced and disseminated situation reports (Lassa fever, Measles, and Mpox outbreaks)
- ✎ Produced and disseminated weekly bulletin

County-level

Surveillance

- ✎ Publication of situational reports
- ✎ Active case search ongoing in affected and surrounding communities

Case Management

- ✎ Administration of PEP
- ✎ Management of measles and Lassa fever cases ongoing in affected counties

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	Since	Total Weekly	Cumulative Reported	Cumulative Lab-confirmed		
No. of Expected Health District		4	9	5	8	5	6	5	6	4	6	7	11	6	6	10	98				
No. of Health District Reported		4	9	5	8	5	6	5	6	4	6	7	11	6	6	10	98				
Vaccine Preventable Diseases	Acute Flaccid Paralysis (Suspected Polio)	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	49	0	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Measles	A	0	1	0	0	0	1	3	1	0	2	1	7	0	5	2	23	1,111	50	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Neonatal Tetanus	A	0	0	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	5	0
	Yellow fever	A	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	49	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	3	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	100	2
		D	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	4	0	0
Influenza-Like	COVID-19	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	
		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	0	70	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diarrheal Disease	Acute Bloody Diarrhoea (Shigellosis)	A	0	0	2	0	0	2	1	1	0	1	0	0	1	0	0	8	201	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	1	1	0	0	0	0	0	0	2	142	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 Ir	Maternal Mortality	D	0	0	0	1	0	0	0	0	0	1	3	0	0	0	5	131			
	Neonatal Mortality	D	0	0	0	0	0	0	0	1	6	11	1	0	1	0	20	383			
	AEFI	A	0	0	0	1	0	0	0	1	1	0	0	0	2	10	15	549	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	0
Other Reportable Diseases	Mpox	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45	2	
		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	20	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	1	4	0	2	2	1	4	4	2	1	13	16	0	1	0	51	1,416	0	
		D	0	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	0	0	17	1
		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 Tr	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	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		1	6	2	3	0	5	0	8	0	10	0	28	0	9	12	129	4313	7		

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.