



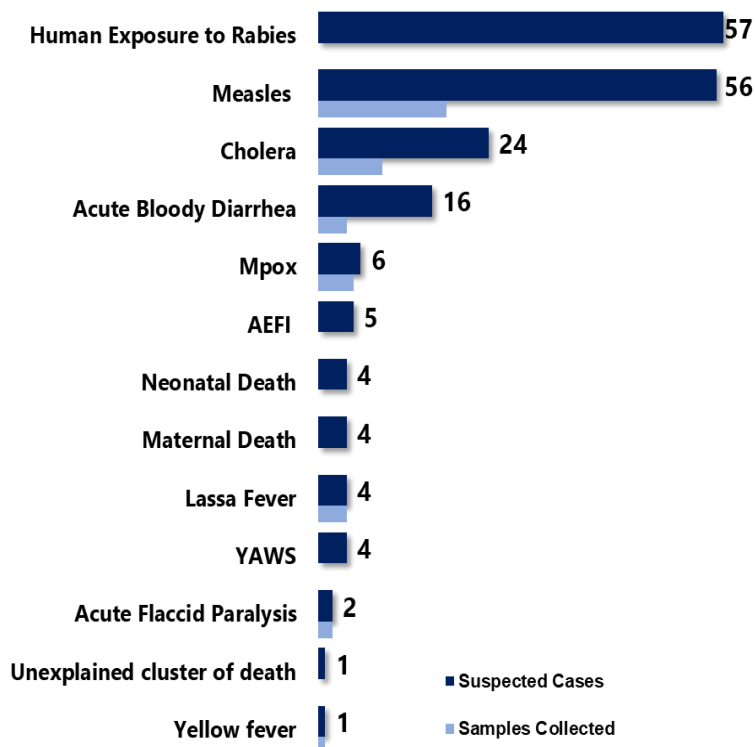
Liberia IDSR Epidemiology Bulletin

Epi-week 27 (July 3-9, 2023)

Country Population: 5,104,413 | Volume 25 Issue 18 | July 3 – 9, 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 184 events** of public health importance including **10 deaths** reported
- ◆ **Completeness and timeliness** of health facility reports were **98% & 97%**
- ◆ **Ongoing Lassa fever** outbreak in 3 Counties
- ◆ **Ongoing Measles outbreak** in 10 Counties

Adverse Events Following Immunization/Adverse Drug Reaction (AEFI)

Reporting Coverage

Table 1: Health Facility Weekly IDSR Reporting Coverage, Liberia, Epi-week 27, 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	396	391	95	93
Nimba	92	92	92	100	100
Rivercess	21	21	21	100	100
River Gee	20	20	20	100	100
Sinoe	41	41	41	100	100
Liberia	978	956	951	98	97

956(98%)
Health facilities reported IDSR data

98(100%)
Health districts reported IDSR data

951 (97%)
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
- ◆ All Counties reported on time to the national level

Legend:



Vaccine-Preventable Diseases

Measles

- ☞ Fifty-six (56) suspected cases were reported from 11 Counties (see distribution in Table 2)
- ☞ Eighteen (18) specimens collected and pending testing
- ☞ Thirty (30) were vaccinated (see distribution in Table 3)

Table 2: Distribution of Measles cases per county and epi-classification, Liberia, Epi week 27, 2023

COUNTY	Cases Week 27	Lab confirmed Epi Week 27	CLASSIFICATION OF CONFIRMED CASES, EPI WEEK 1-27			Deaths	CFR (%)	CUMULATIVE # SUSPECTED CASES, EPI WEEK 1-27	CUMULATIVE # CONFIRMED CASES, EPI WEEK 1-27
			Lab confirmed	Epi Linked	Clinically Compatible				
Bomi	0	0	0	13	50	0	0.0	74	65
Bong	2	0	2	6	191	1	0.5	199	199
Gbarpolu	0	0	0	0	33	0	0.0	34	33
Grand Bassa	1	0	0	0	154	0	0.0	156	154
Grand Cape Mount	0	0	0	2	60	0	0.0	71	63
Grand Gedeh	12	0	4	26	246	0	0.0	319	276
Grand Kru	4	0	6	72	628	2	0.3	708	706
Lofa	5	0	0	0	96	0	0.0	104	96
Margibi	1	0	1	8	186	0	0.0	197	195
Maryland	7	0	0	0	592	0	0.0	594	592
Montserrado	15	0	4	53	933	2	0.2	998	990
Nimba	4	0	2	33	265	3	1.1	302	300
River Gee	2	0	0	0	103	0	0.0	123	103
Rivercess	0	0	1	0	27	0	0.0	33	28
Sinoe	3	0	4	11	81	0	0.0	110	96
Grand Total	56	0	27	224	3,645	8	2	4,022	3,896

Table 3: Vaccination Status of Measles Cases, Liberia, Epi-week 27, 2023

County	Vaccinated	Number of Doses Received		
		One Dose	Two Doses	Doses Not indicated
Bomi	0	0	0	0
Bong	0	0	0	0
Gbarpolu	0	0	0	0
Grand Bassa	1	0	0	1
Grand Cape Mount	0	0	0	0
Grand Gedeh	5	5	0	0
Grand Kru	0	0	0	0
Lofa	5	0	0	5
Margibi	1	1	0	0
Maryland	2	2	0	0
Montserrado	10	9	1	0
Nimba	3	3	0	0
River Gee	2	0	0	2
Rivercess	0	0	0	0
Sinoe	1	1	0	0
Grand Total	30	21	1	8

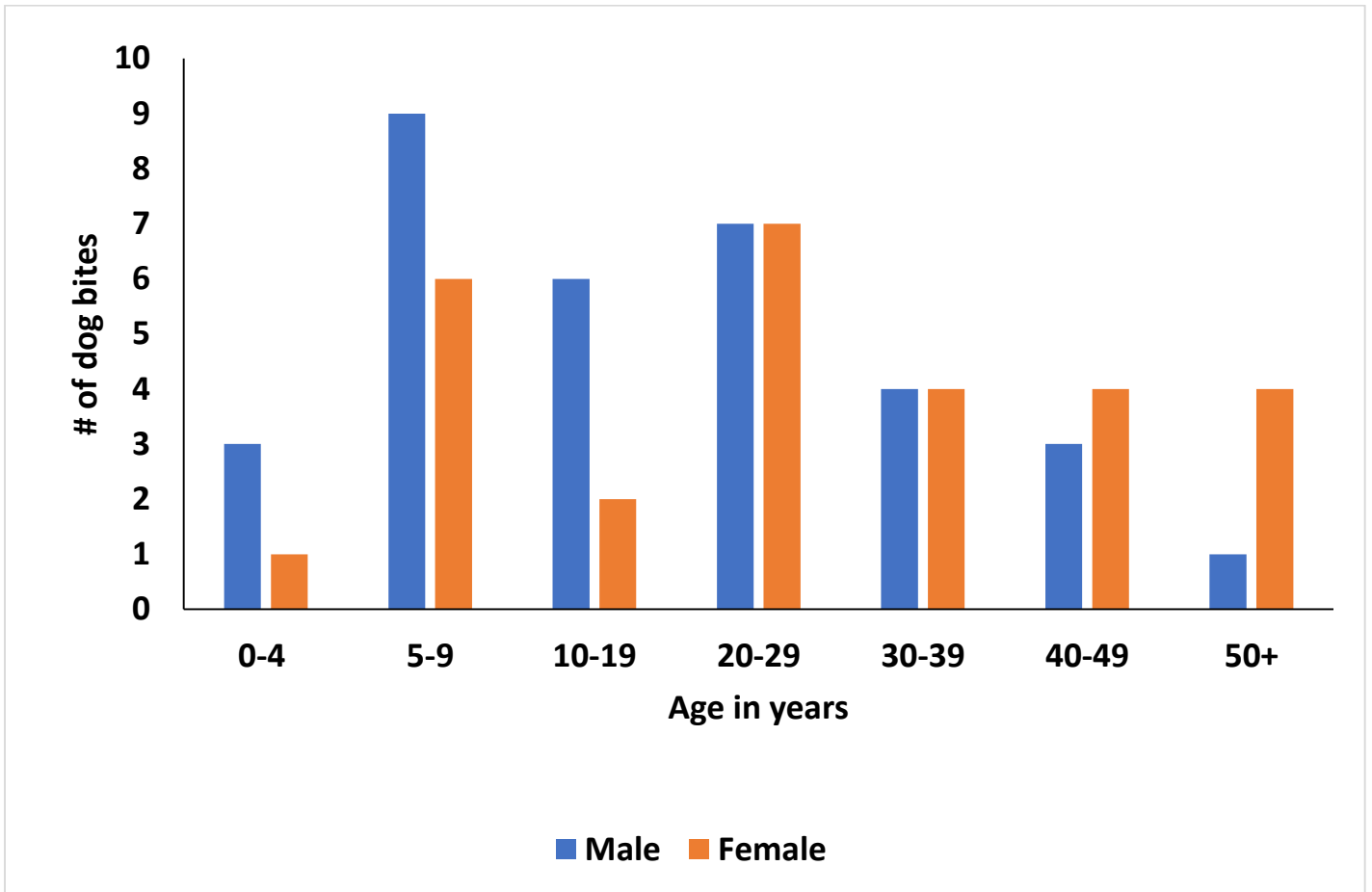


Figure 2: Distribution of Measles Cases by Age Group and Sex, Liberia Epi Week 27, 2023

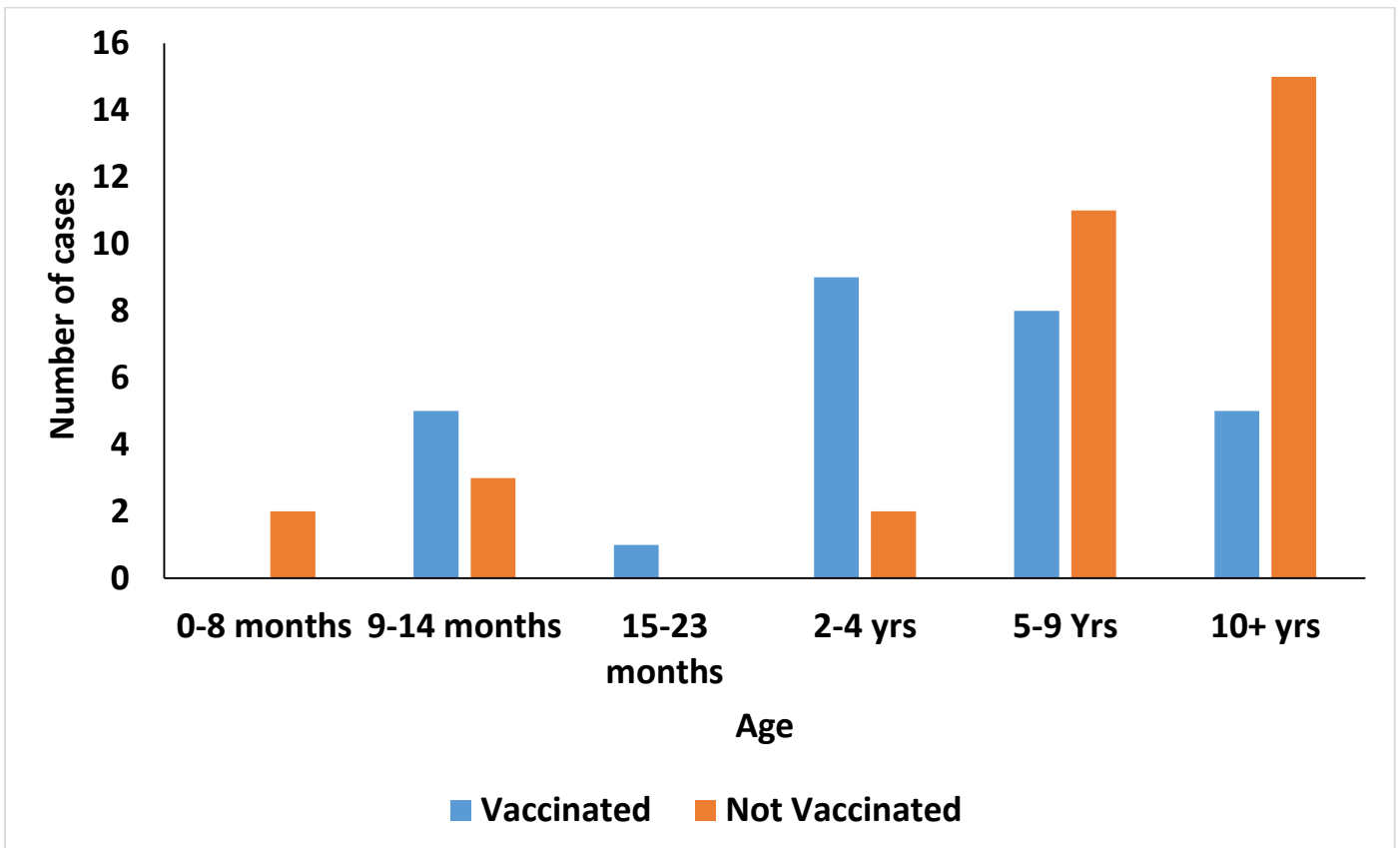


Figure 3: Vaccination Status of Suspected Measles Cases by Age Group, Liberia, Epi-Week 27, 2023

Table 4: Cumulative Distribution of Measles Cases and Deaths, December 13, 2021- July 9, 2023

COUNTY	CUMULATIVE SUSPECTED CASES	CUMULATIVE CONFIRMED CASES	CLASSIFICATION OF CONFIRMED CASES			CLASSIFICATION OF CONFIRMED DEATHS			CUMULATIVE DEATHS	CFR (%)	# CONFIRMED CASES WEEK 26	# CONFIRMED CASES WEEK 27	% CHANGE	Outbreak Status Lab confirmed
			Lab confirmed	Epi Linked	Clinically Compatible	Lab confirmed	Epi Linked	Clinically Compatible						
Montserrat	5,364	5,287	145	1657	3,485	3	61	5	69	1.3	Montserrat	5,364	5,287	145
Nimba	1,071	1,040	37	187	816	0	1	3	4	0.4	Nimba	1,071	1,040	37
Margibi	827	803	34	136	633	0	0	1	1	0.1	Margibi	827	803	34
Grand Bassa	937	899	40	212	647	1	0	6	7	0.9	Grand Bassa	937	899	40
Lofa	347	278	32	66	180	0	0	0	0	0	Lofa	347	278	32
Bong	597	572	22	21	529	0	1	2	3	0.5	Bong	597	572	22
Maryland	995	995	24	308	648	0	0	0	0	0	Maryland	995	995	24
Grand Gedeh	568	408	34	48	326	0	0	0	0	0	Grand Gedeh	568	408	34
Sinoe	284	231	36	84	111	0	0	0	0	0	Sinoe	284	231	36
Bomi	183	147	34	27	86	1	2	2	5	3	Bomi	183	147	34
Grand Cape Mt	215	187	17	18	152	0	2	1	3	1.6	Grand Cape Mt	215	187	17
Grand Kru	968	939	22	106	811	0	0	2	2	0.2	Grand Kru	968	939	22
Gbarpolu	67	46	4	2	40	0	0	0	0	0	Gbarpolu	67	46	4
Rivercess	112	84	23	54	7	0	1	0	1	1.1	Rivercess	112	84	23
River Gee	103	79	0	0	79	0	0	0	0	0	River Gee	103	79	0
Total	12,637	11,995	504	2,926	8,550	5	68	22	95	7.8	Total	12,637	11,995	504

Public Health Response

I. Coordination

- o IMS meeting is held weekly for coordination and mobilization of resources in response counties

II. Epidemiological Surveillance.

- o Active case search ongoing in Grand Gedeh County with support from Last Mile Health
- o 26 contacts are under follow-up

III. Case management

- o All reported cases were treated and sent for home isolation (Nimba, Grand Kru, Maryland, Grand Gedeh, Bong, and Montserrat) counties

IV. Immunization

- o Routine immunization intensified

V. Laboratory

- o Specimens were collected from 6 districts in 4 counties (Bong-Sala and Sanoyeah, Montserrat-Bushrod, Maryland-Harper and Pleebo, and Grand Gedeh-Putu and Gbao)
- o Submitted the listing of 34 districts that have gone more than 4 weeks in the response to National Public Health Reference Laboratory for re-testing.
- o Five hundred nine (509) cases have been confirmed by the laboratory from December 13, 2021 –July 5, 2023.

VI. Risk Communication and Community Engagement

- o Risk communication and community engagement ongoing in affected counties

Challenges

- Lack of funding for Measles outbreak response in Grand Gedeh and Grand Bassa Counties
- DSO in Bong Grand Gedeh, and Montserrado Counties are constrained in submitting reports due to a lack of computer
- No functional motorbike for CSOs in Margibi and Nimba Counties, Garwula District, Grand Cape Mount, all DSOs in Nimba, and all districts in Margibi Counties. Thus limiting their movement
- Limited specimen collection kit in Montserrado County
- Limited functional laptop computers for DSOs (Gbarpolu, Bomi, Bong, Montserrado, Rivercess, and Margibi)
- Limited specimen collection kits for priority diseases in Montserrado County

Acute Flaccid Paralysis (AFP)

- ☞ Two (2) suspected cases reported from Grand Kru and Nimba Counties
- ☞ Two specimens collected and pending shipment
- ☞ Cumulatively, thirty-one (31) cases were reported
 - Ten (10) tested negative
 - Twenty-one (21) pending

Neonatal Tetanus

- ☞ Zero cases were reported
- ☞ Cumulatively, thirty-seven (37) cases including 5 deaths reported

Influenza-Like Illnesses

Influenza

- ☞ Zero suspected case was reported
- ☞ Cumulatively, 39 suspected cases reported

Viral Hemorrhagic Diseases

Lassa fever

- ☞ Four (4) suspected cases were reported: Montserrado (2), Nimba (1), and Bong (1) Counties
- ☞ All four specimens were collected; tested positive and two negative
- ☞ Cumulatively, one hundred forty (140) suspected cases reported
 - Proportion of suspected cases with a sample collected (127/140) 91%
 - Proportion of suspected cases with sample tested (127/127) 100%

Current Outbreak

Lassa fever disease

- ☞ Two new confirmed cases were reported from Bong and Nimba Counties
- ☞ Cumulatively, eighty-two (82) laboratory-confirmed cases including 24 deaths reported (CFR=29%)

Table 5: Summary of Confirmed Cases Reported in Epi-week 27, 2023

Age (Yrs)	Sex	Outcome	Occupation	Community of resident	District of outbreak	Reporting County	Date of Onset	Date of Admission	Hospital	Signs & symptoms	Date specimen collected	Date specimen sent to Lab.	Date specimen received Lab	Date ribavirin initiated	Date case confirmed	Total contacts generated	Total HCWs contacts	Epi Link
2 yrs	M	Dead	Child	Catholic community	Bain Garr	Nimba	1-Jul-23	6-Jul-23	Ganta Method ist hosp	fever >38.70C, muscle pains, difficulty in breathing, vomiting with blood, facial edema, abdominal pain, headache, & weakness	6-Jul-23	9-Jul-23	9-Jul-23	6-Jul-23	10-Jul-23	16	14	No
5 yrs	F	Alive	Unknown	S.K.T comm	Suakoko	Bong	22-Jun-23	5-Jul-23	Phebe hospital	fever, weakness	5-Jul-23	5-Jul-23	5-Jul-23	5-Jul-23	5-Jul-23	15	6	No

Table 6: Summary of Lassa fever Outbreak, Liberia, Sept 9, 2022 to present

County	Outbreak Districts	Outbreak Start Date	Total suspected cases	Total confirmed cases	Deaths in HCWs	Total Deaths	CFR %	Total Contacts	# HCW contacts	Contacts_became cases	HCW became confirmed case	Contacts under follow up	Contacts completed	Days in countdown	Outbreak Status
Montserrado	Bushrod	13-Feb-23	5	2	0	1	50%	29	21	0	0	0	29	Completed	Over
	Central Monrovia	3-Mar-23	13	1	0	1	100%	28	27	0	0	0	28	Completed	Over
Bong	Suakoko	21-Apr-23	122	35	2	7	21%	310	150	6	4	0	310	Ongoing	Active
	Sanoyea	5-Apr-22	1	1	0	1	100%	31	15	0	0	0	31	Completed	Over
	Jorquelleh	6-Jan-22	11	8	1	2	25%	100	69	3	3	0	100	Completed	Over
Grand Bassa	District 3A&B	9-Sep-22	60	30	0	9	30%	159	28	2	0	0	159	Active	Ongoing
Nimba	Sanniquellie-Mah	6-Feb-23	2	2	0	0	0%	43	35	8	0	0	43	Completed	Over
	Tappita	13-Mar-23	5	1	0	1	100%	36	17	4	0	0	36	Completed	Over
	Bain-Garr	1-Jun-23	12	2	0	2	100%	30	25	0	0	16	14	Active	Ongoing
			8	231	82	3	24	29%	766	387	23	7	16	750	

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 was 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 suspected case was reported from Sinoe County
- ☞ Specimen was collected and pending testing
- ☞ Cumulatively sixty-two (62) suspected cases were reported
- ☞ Fifty-one (51) samples 82% (51/62) were collected with 6%(3/51) samples not transported (Epi week 5 from Grand Gedeh, River Gee, and Grand Kru Counties)
- ☞ Lab received 56% (27/48)
 - Proportion of samples tested is 52% (27/51)
 - Proportion of samples pending testing is 25% (13/51)

Dengue Fever

- ☞ Zero cases were reported
- ☞ Cumulatively, 2 suspected cases were reported from Lofa County with no specimens collected

Ebola Virus Disease

- ☞ Zero cases were reported

Diarrheal Diseases

Acute Bloody Diarrhea (Suspected Shigellosis)

- ☞ Fourteen (14) cases were reported: Sinoe (5), Nimba (2), Bong (1), Grand Bassa (1), Grand Kru (1), River Gee (1), Montserrado (1), Grand Gedeh (1), and Lofa (1) Counties
- ☞ Four (4) specimens were collected and pending testing
- ☞ Cumulatively, three hundred sixty-three (363) cases were reported
 - One hundred forty-two (142) specimens were collected
 - 66 tested negative
 - 7 specimens rejected
 - 65 specimens were not transported
 - 4 pending testing

Severe Acute Watery Diarrhea (Suspected Cholera)

- ☞ Twenty-four (24) suspected cases were reported: Maryland (5), Lofa (5), Rivercess (3), Nimba (3), Grand Kru (2), Bong (2), Margibi (1), River Gee (1), Montserrado (1), and Bomi (1) counties
- ☞ Nine (9) specimens were collected and pending testing
- ☞ Cumulatively, four hundred ninety-eight (498) cases reported
 - One hundred fifty-three (153) specimens collected
 - 58 tested negative
 - 7 specimens rejected
 - 88 specimens were not transported

Other Reportable Diseases

Animal bite (Human Exposure to Rabies)

- ☞ Fifty-seven (57) animal bites including one snake bite reported

Table 7: Distribution of Animal bite cases and PEP administration per county, Liberia, Epi week 27, 2023

Counties	Cases	Person receiving PEP	PEP doses administered	Cumulative cases (Wk 1-27)	Cumulative PEP administered (Wk 1-27)
Bomi	5	5	5	43	27
Bong	1	0	0	133	59
Gbarpolu	1	0	0	16	0
Grand Bassa	4	0	0	153	11
Grand Cape Mount	0	0	0	46	29
Grand Gedeh	2	0	0	65	9
Grand Kru	3	0	0	148	15
Lofa	4	1	1	141	53
Margibi	1	1	1	111	53
Maryland	3	0	0	101	37
Montserrado	14	5	5	524	146
Nimba	13	11	11	236	107
Rivercess	5	2	2	34	44
River Gee	0	0	0	76	0
Sinoe	1	0	0	75	6
Total	57	25(24%)	25	1902	596

Public Health Actions

- ☞ Ongoing monitoring and follow-up of cases

Meningitis

- ☞ Zero cases were reported
- ☞ Cumulatively, twenty-five (25) suspected cases reported
 - Proportion of suspected cases with samples collected (23/25) 92%

- Proportion of sample tested (17/23) 74%
- 15 negative and 2 positive

Mpox

- ☞ Six (6) cases were reported from Sinoe (3), Margibi (2), and Rivercess (1) Counties
- ☞ Five specimens were collected and pending testing
- ☞ Cumulatively, ninety-five (95) suspected cases reported
 - Seven (7) confirmed

Unexplained cluster of deaths

- ☞ One unexplained death was reported from Grand Gedeh County

Events of Public Health Importance

Maternal Mortality

- ☞ Four (4) deaths were reported: Margibi (2), Nimba (1), and Grand Gedeh (1) Counties
- ☞ Reported causes: Eclampsia, Maternal sepsis, Postpartum Hemorrhage, and pending review
- ☞ Reporting Site:
 - Health facility (4/4) 100%
- ☞ Cumulatively, one hundred eighty (180) deaths reported
 - Proportion of death reviewed (41/175) 23%
 - Proportion of community death (25/175) 14%

Neonatal Mortality

- ☞ Four (4) deaths were reported: Montserrado (3), and Bomi (1) Counties
- ☞ Reported causes: Birth Asphyxia (4)
- ☞ Reporting sites:
 - Health facility (4/4) 100%
- ☞ Cumulatively, four hundred twenty-six (426) deaths reported

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

- ☞ Seven (7) cases were reported from Sinoe (2), Grand Kru (2), Grand Gedeh (1), Maryland (1), and Lofa (1) Counties
- ☞ All reported cases were non-serious
- ☞ Related vaccine:
 - Penta (5/7) 71%
 - TCV (1/7) 14%
 - Others (1/7) 14%
- ☞ Cumulatively, three hundred forty-four (344) events were reported and COVID-19 accounted for (154/344) 45%

Neglected Tropical Diseases

YAWS

- ☞ Four (4) cases were reported from Maryland County
- ☞ All four positive

Border Surveillance Update

A total of 5,576 travelers were recorded for the week with incoming travelers accounting for 44% (2,475/5,576)

Table 8: Border activity at the PoE for Incoming and Outgoing Travelers, Liberia, Epi week 27, 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 vaccinati
Airport	James S. Paynes	100	30	70	20	0	0	0	0	0	20
	Robert Int'l Airport	4179	1712	2467	4014	105	0	0	0	0	4075
Seaport	Freeport of Monrovia	256	128	128	256	0	0	0	0	0	256
	Buchanan Port	68	34	34	68	0	0	0	0	0	68
Land Crossing	Bo Water Side	606	317	289	591	6	6	9	0	0	209
	Ganta	201	141	60	85	3	3	24	0	0	72
	Yekepa	65	47	18	17	0	0	0	0	0	31
	Loguatu	101	66	35	86	0	0	0	0	0	52
Total		5,576	2,475	3,101	5,137	114	9	33	0	0	4,783

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

Public Health Measures

National level

- ☛ Community engagement and border meeting airing messages on Lassa fever, Mpox, COVID-19, and Measles in Nimba, Grand Cape Mount, and Grand Bassa Counties
- ☛ Review and validation of AEFI guideline and SOP
- ☛ Providing remote technical and operational support to counties
- ☛ Produced and disseminated situation reports (Lassa fever, Measles, and Mpox outbreaks)

County-level

☛ Coordination

- Partner coordination and resource mapping

☛ Surveillance

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

☛ Case Management

- Administration of PEP
- 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	
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 Disease	Acute Flaccid Paralysis (Suspected Polio)	A	0	0	0	0	0	1	0	0	0	0	1	0	0	0	2	31	0	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Measles	A	0	2	0	1	0	12	4	5	1	7	15	4	0	2	3	56	4,022	27
		D	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	32	0
		D	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	0	0	0	0	0	0	0	0	0	0	1	1	62	0	
	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Viral Hemorrhagic	Dengue fever	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	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	1	0	0	0	0	0	0	0	0	1	0	0	0	0	2	113	25
		D	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	27	14
Influenza-Lik	COVID-19	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
	Influenza Like Illnesses	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	0
		D	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	1	0	1	0	1	1	1	0	0	1	2	0	1	5	14	363	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Severe Acute Watery Diarrhoea (Cholera)	A	1	2	0	0	0	0	2	5	1	5	1	3	3	1	0	24	498	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	1	0	0	2	0	0	1	0	0	0	4	180		
	Neonatal Mortality	D	1	0	0	0	0	0	0	0	0	3	0	0	0	0	4	426		
	AEFI	A	0	0	0	0	0	1	2	1	0	1	0	0	0	0	2	7	344	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	Mpox	A	0	0	0	0	0	0	0	2	0	0	0	1	0	3	6	95	12	
		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
		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)	A	5	1	1	4	0	2	3	4	1	3	14	13	5	0	1	57	1,902	0
		D	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	25	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	1	0	0	0	0	0	0	0	0	0	1	1	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
	Yaws	A	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	4	4	4
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL		7	7	1	6	0	18	0	16	0	20	0	25	0	4	15	184	8171	55	

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.