

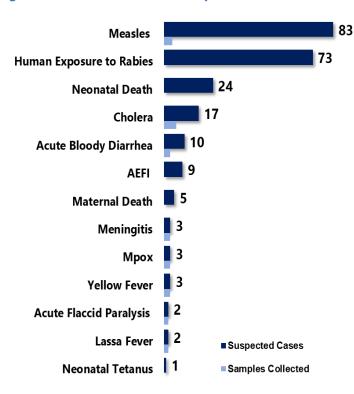
Liberia IDSR Epidemiology Bulletin

Epi-week 24 (June 12- 18, 2023)

Country Population: 5,104,413 | Volume 24 Issue 18 | June 12 -18, 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 235 events of public health importance including 29 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 24, 2023

	Expected Reports From	Reports	Received on	Completeness	Timeliness
County	HF*	Received	Time	(%)	(%)
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

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

Bong County reported late to the national level

Legend: ≥80 <80

956(98%) Health facilities reported IDSR data

Health districts reported DSR data

951 (97%) Health facilities reported timely IDSR data

Vaccine-Preventable Diseases

Measles

- Eighty-three (83) suspected cases were reported from 11 Counties (see distribution in Table 2)
- Four (4) specimens collected and pending testing
- Forty-six (46) were vaccinated (see distribution in Table 3)

Table 2: Distribution of Measles cases per county and epi-classification, Liberia, Epi week 24, 2023

	Cases	Lab confirmed		ATION OF	CONFIRMED EK 1-24		CFR	CUMULATIVE # SUSPECTED	CUMULATIVE #
COUNTY	Week 24	Epi Week 24	Lab confirmed	Epi Linked	Clinically Compatible	Deaths	(%)	CASES, EPI WEEK 1-24	CONFIRMED CASES, EPI WEEK 1-24
Bomi	0	0	0	13	49	0	0.0	73	64
Bong	7	0	2	6	184	1	0.5	192	192
Gbarpolu	0	0	0	0	31	0	0.0	32	31
Grand Bassa	4	0	0	0	148	0	0.0	150	148
Grand Cape Mount	0	0	0	2	58	0	0.0	69	61
Grand Gedeh	14	0	4	26	206	0	0.0	279	236
Grand Kru	11	0	6	72	611	2	0.3	691	689
Lofa	1	0	0	0	85	0	0.0	93	85
Margibi	5	0	1	8	183	0	0.0	194	192
Maryland	8	0	0	0	556	0	0.0	558	556
Montserrad o	22	0	4	53	892	2	0.2	957	949
Nimba	2	0	2	33	240	3	1.1	277	275
River Gee	3	0	0	0	101	0	0.0	121	101
Rivercess	0	0	1	0	25	0	0.0	31	26
Sinoe	6	0	4	11	76	0	0.0	105	91
Grand Total	83	0	27	224	3,445	8	2	3,822	3,696

Table 3: Vaccination Status of Measles Cases, Liberia, Epi week 24 2023

			Number of Doses Received									
County	Vaccinated	One-Dose	Two Doses	Doses Not indicated								
Bomi	0	0	0	0								
Bong	2	2	0	0								
Gbarpolu	0	0	0	0								
Grand Bassa	4	2	1	1								
Grand Cape Mount	0	0	0	0								
Grand Gedeh	7	5	0	2								
Grand Kru	2	1	1	0								
Lofa	1	1	0	0								
Margibi	4	4	0	0								
Maryland	0	0	0	0								
Montserrado	17	13	4	0								
Nimba	1	1	0	0								
River Gee	3	0	0	3								
Rivercess	0	0	0	0								
Sinoe	5	2	0	3								
Grand Total	46	31	6	9								

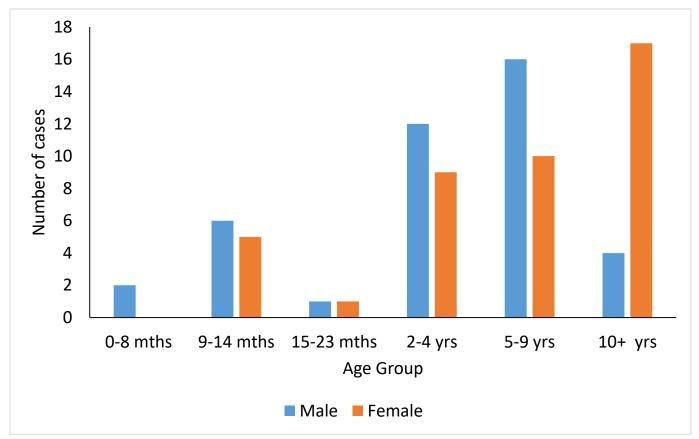


Figure 2: Distribution of Measles Cases by Age Group and Sex, Liberia Epi Week 24, 2023

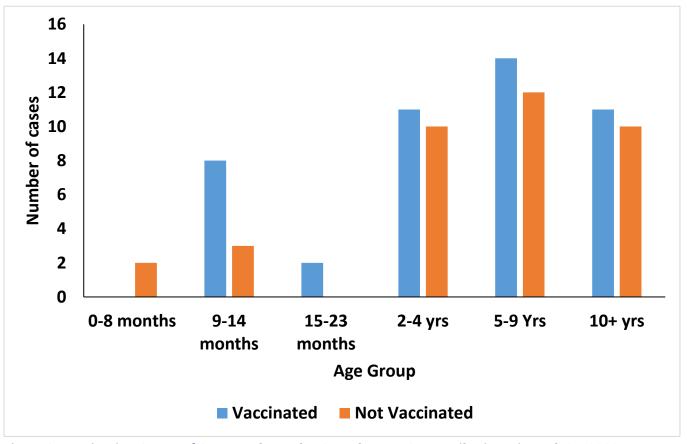


Figure 3: Vaccination Status of Suspected Measles Cases by Age Group, Liberia, Epi-Week 24, 2023

Table 4: Cumulative Distribution of Measles Cases and Deaths, December 13, 2021- June 18, 2023

COUNTY	CUMUL ATIVE SUSPEC	CUMULAT IVE CONFIRM ED CASES		SIFICATI TIRMED		OF	SSIFIC CONFII DEATI		CUMUL ATIVE	CFR (%)	# CONFI RMED CASES	# CONFIR MED CASES WEEK 24	% CHANG	Outbre ak
	TED CASES		Lab confir med	Epi Linke d	Clinica lly Compa tible	Lab confi rme d	Epi Lin ked	Clinica lly Compa tible	DEATHS	(78)	WEEK 23		E	Status
Montserra do	5, 323	5,246	145	1657	3444	3	61	5	69	1.3	30	22	-27	Ongoi ng
Nimba	1046	1,015	37	187	791	0	1	3	4	0.4	6	2	-67	Ongoi ng
Margibi	826	802	34	136	632	0	0	1	1	0.1	3	5	40	Ongoi ng
Grand Bassa	936	898	40	212	646	1	0	6	7	0.9	2	3	50	Ongoi ng
Lofa	344	274	32	66	176	0	0	0	0	0	2	1	-50	Ongoi ng
Bong	593	568	22	21	525	0	1	2	3	0.5	2	4	100	Ongoi ng
Maryland	962	947	24	308	615	0	0	0	0	0	12	7	-42	Ongoi ng
Grand Gedeh	540	380	34	48	298	0	0	0	0	0	9	14	56	Ongoi ng
Sinoe	284	231	36	84	111	0	0	0	0	0	0	0	-	Ended
Bomi	183	147	34	27	86	1	2	2	5	3	0	0	-	Ended
Grd Cape Mt	215	187	17	18	152	0	2	1	3	1.6	0	0	-	Ended
Grand Kru	950	922	22	106	794	0	0	2	2	0.2	1	9	800	Ongoi ng
Gbarpolu	67	46	4	2	40	0	0	0	0	0	0	0	-	Ended
Rivercess	112	84	23	54	7	0	1	0	1	1.1	0	0	-	Ended
River Gee	103	79	0	0	79	0	0	0	0	0	1	3	200	Ongoi ng
Total	12,484	11,826	504	2,926	8,396	5	68	22	95	7.8	68	70		

Public Health Response

I. Coordination

o Response efforts have been coordinated by CHTs with support from partners

II. Epidemiological Surveillance

- o Surveillance activities intensified in affected counties (Grand Kru, Grand Gedeh, and Maryland).
- Active case search ongoing
- o Conducted awareness in affected communities

III. Case management

 Cases were symptomatically treated and discharged home for home-based isolation in Lofa, Grand Gedeh, and Grand Kru Counties

IV. Immunization

Six days of immunization outreach targeting 70 children (age group 9-23 months) conducted in Tchien and Konobo districts (Grand Gedeh County)

V. Laboratory

o Specimens were collected from 5 districts in 3 counties for testing (River Gee-Sarbo, Chedepo and Gbeapo, Grand Gedeh-B'hai, and Sinoe-Kpanyan-2).

- o Five hundred nine (509) cases have been confirmed by the laboratory from December 13, 2021 –June 4, 2023.
- Delayed in releasing laboratory results for priority diseases

VI. Risk Communication and Community Engagement

- Awareness and health education on prevention and control of measles ongoing on Smile FM Radio in Grand Gedeh County
- Ongoing engagement with community stakeholders, parents, and health care workers on measles prevention ongoing in Montserrado and Grand Cape Mount, Grand Gedeh, and Nimba Counties

Challenges

- o Limited support to response to the Measles outbreak in Grand Bassa County
- o Irregular samples transportation by Riders for Health in Grand Kru County
- DSOs lack functional laptop computers in all the outbreak Counties and Districts
- Limited specimen collection kits for priority diseases in Montserrado
- o Stock out of alert and lab submission forms in Maryland, Grand Cape Mount, and Lofa Counties

Acute Flaccid Paralysis (AFP)

- Two (2) cases were reported from Grand Bassa and Nimba Counties
- Two (2) specimens were collected and pending shipment
- Cumulatively, twenty-seven (27) cases were reported
 - o Ten (10) tested negative
 - o Seventeen (17) pending

Neonatal Tetanus

- One (1) case was reported from Montserrado County
- Cumulatively, thirty-one (31) cases including 4 deaths 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
 - o 601 healthcare workers
- A total of 17,827 contacts have been generated
 - 1.772 healthcare workers

Public Health Actions

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

Influenza

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

Viral Hemorrhagic Diseases

Lassa fever

- Two (2) suspected cases were reported from Grand Bassa, and Nimba Counties
- Two (2) Specimens were collected and tested negative
- Cumulatively, one hundred thirty (130) suspected cases reported

- o Proportion of suspected cases with a sample collected (117/130) 90%
- o Proportion of suspected cases with sample tested (116/117) 99%

Current Outbreak

Lassa fever disease

- One new confirmed case was reported from Grand Bassa County
- © Cumulatively, seventy-nine (79) laboratory-confirmed cases including 23 deaths reported (CFR=29%)

Table 5: Summary of Lassa fever Outbreak, Liberia, Sept 9, 2022 to present

County	Outbreak Districts	Outbreak Start Date	Total suspected cases	Total confirme d cases	Deaths	Total Deaths	CFR	Total Contacts	# HCW contacts	Contacts_b	HCW became confirmed case	Contacts under follow up	Contacts completed	Days in countdown	Outbreak Status	
	Bushrod	13-Feb-23	3	2	0	1	50%	29	21	0	0	0	29	Completed	Over	
Montserrado	Central Monrovia	3-Mar-23	13	1	0	1	100%	28	27	0	0	0	28	Completed	Over	
	Suakoko	21-Apr-23	119	33	2	7	21%	303	147	6	4	46	257	Ongoing	Active	
Bong	Sanoyea	5-Apr-22	1	1	0	1	100%	10	10	0	0	0	10	Completed	Over	
	Jorquelleh	6-Jan-22	11	8	1	2	25%	99	61	3	3	0	99	Completed	Over	
Grand Bassa	District 3A&B	9-Sep-22	59	30	0	9	30%	159	30	2	0	12	147	Active	Ongoing	
Nimba	Sanniquellie- Mah	6-Feb-23	7	2	0	0	0%	43	35	8	0	0	43	Completed	Over	
TTIIDB	Tappita	13-Mar-23	3	1	0	1	100%	36	17	4	0	0	36	Completed	Over	
	Bain-Garr	1-Jun-23	6	1	0	1	100%	14	11	0	0	14	0	Active	Ongoing	
	8		222	79	3	23		721	359	23	7	72	649			

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 National Level
- o 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 not 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

- From Three (3) suspected cases were reported from Grand Gedeh, Gbarpolu, and River Gee Counties
- Three (3) specimens were collected and pending testing
- Cumulatively fifty-nine (59) suspected cases reported
 - o Proportion of suspected cases with samples collected (48/59) 81%
 - Three (3) samples were collected but not transported (Epi week 5 from Grand Gedeh, River Gee, and Grand Kru Counties)
 - o Proportion of samples collected and tested (27/45) 60%
 - Negative- 27
 - Pending testing -15

Dengue Fever

- Zero case was reported
- Cumulatively, one case reported

Ebola Virus Disease

Zero suspected case was reported

Diarrheal Diseases

Acute Bloody Diarrhea (Suspected Shigellosis)

- Ten (10) cases were reported: Lofa (2), Grand Bassa (2), Gbarpolu (2), Nimba (1), Sinoe (1), Maryland (1), and Grand Gedeh (1) Counties
- Three (3) specimens were collected and pending testing
- Cumulatively, three hundred twelve (312) cases were reported
 - o One hundred twenty-six (126) specimens were collected
 - 58 tested negative
 - 7 specimens rejected
 - 61 specimens were not transported

Severe Acute Watery Diarrhea (Suspected Cholera)

- Seventeen (17) suspected cases were reported: Maryland (4), Lofa (2), Montserrado (2), River Gee (2), Bong (2), Nimba (2), Rivercess (1), Grand Bassa (1), and Sinoe (1) counties
- Two (2) specimens were collected and pending testing
- Cumulatively, four hundred thirty-five (435) cases reported
 - One hundred thirty-six (136) specimens collected
 - 52 tested negative
 - 7 specimens rejected
 - 77 specimens were not transported

Other Reportable Diseases

Animal bite (Human Exposure to Rabies)

Seventy-three (73) animal bites were reported

Table 6: Distribution of Animal bite cases and PEP administration per county. Liberia. Epi week 24, 2023

Table 6: Distribution of Ani					
Counties	Cases	Person	PEP doses	Cumulative	Cumulative
		receiving PEP	administered	cases (Wk 1-24)	PEP
					administered
					(Wk 1-24)
Bomi	1	1	1	34	21
Bong	3	0	0	126	57
Gbarpolu	0	0	0	14	0
Grand Bassa	10	1	1	140	11
Grand Cape Mount	0	0	0	44	27
Grand Gedeh	4	1	1	58	8
Grand Kru	3	0	0	131	15
Lofa	11	2	2	128	48
Margibi	2	0	0	97	48
Maryland	6	0	0	90	36
Montserrado	18	4	4	476	129
Nimba	9	5	5	206	87
Rivercess	3	3	3	31	38
River Gee	0	0	0	66	0
Sinoe	3	0	3	70	6
Total	73	17(23%)	20	1,711	531

Public Health Actions

Ongoing monitoring and follow-up of cases

Meningitis

- Three (3) cases were reported Nimba (2), and River Gee (1) Counties
- Three (3) specimens were collected: 2 tested negative and 1 pending testing
- Cumulatively, twenty-two (22) suspected cases reported
 - o Proportion of suspected cases with samples collected (20/22) 91%
 - o Proportion of sample tested (15/20) 75%
 - o 13 negative and 2 positive

Mpox

- Three (3) suspected cases were reported from Sinoe (2), and Grand Kru (1) Counties
- Three (3) specimens were collected and pending testing
- Cumulatively, eighty-seven (87) suspected cases reported
 - Seven (7) confirmed

Events of Public Health Importance

Maternal Mortality

- Five (5) deaths were reported: Rivercess, Margibi, Lofa, Montserrado, and Nimba Counties
- Reported causes: Postpartum Hemorrhage (3), Eclampsia (1), and pending review (1)
- Reporting Site:
 - Health facility (4/5) 80%
 - o Community (1/5) 20%
- Cumulatively, one hundred sixty-six (166) deaths reported
 - o Proportion of death reviewed (41/166) 25%
 - Proportion of community death (24/166)14%

Neonatal Mortality

- Twenty-four (24) deaths were reported: Montserrado (16), Grand Bassa (2), Rivercess (2), Bomi (1), Nimba (1), Sinoe (1), and Margibi (1) Counties
- 🖙 Reported causes: Birth Asphyxia (17), Neonatal sepsis (3), Preterm (3), and Neonatal jaundice (1)
- Reporting sites:
 - Health facility (23/24) 96%
 - o Community (1/24) 4%
- Cumulatively, three hundred eighty-one (381) deaths reported

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

- Nine (9) cases were reported: from Sinoe (3), Lofa (2), Bomi (2), Rivercess (1), and Grand Bassa (1) Counties
- All reported cases were non-serious
- Related vaccine:
 - o COVID-19 (2/9) 22%
 - o Penta (2/9) 22%
 - o Others (5/9) 56%
- Cumulatively, three hundred nineteen (319) events were reported and COVID-19 accounted for (152/319) 48%

Border Surveillance Update

A total of 4,802 travelers were recorded for the week with incoming travelers accounting for 48% (2,301/4,802)

Table 7: Border activity at the PoE for Incoming and Outgoing Travelers, Liberia, Epi week 24, 2023

		Weekly			Total traverlers	Yellow Book	Card	Travelers Vaccinate d against YF & Issued	Alerts detected/	COVID-19	
Type of Ports	Point of Entry	total		Departure		Damage	Replaced		Verified	Reactive	card/certificate
	James S. Paynes	87	41	46	20	0	0	0	0	0	20
Airport	Robert Int'l Airport	3578	1704	1874	3514	121	57	0	0	0	3493
Seaport	Freeport of Monrovia	200	100	100	200	0	0	0	0	0	200
	Buchanan Port	88	44	44	88	0	0	0	0	0	88
	Bo Water Side	503	201	302	500	5	3	0	0	0	301
land Cuasina	Ganta	169	103	66	95	7	7	18	0	0	53
Land Crossing	Yekepa	74	41	33	39	0	0	0	0	0	51
	Loguatuo	103	67	36	90	0	0	0	0	0	72
Total		4,802	2,301	2,501	4,346	133	67	18	0	0	4,278

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, and Measles in Nimba, Bong, and Grand Bassa Counties
- Providing remote technical and operational support to counties
- Produced and disseminated situation reports on (Lassa fever, and Measles outbreaks)
- Validation of PHEOC handbook ongoing in Ganta, Nimba County

County-level

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	X																			
Summary	of Immediately Reportable	Dise	eas	es, (Con	ditio	ons,	and	l Ev	ents	s by	Co	unty	/						
0			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
	ted Health District		4	9	5	8	5	6	5	6	4	6	7	6	6	6	10	93		
	District Reported		4	9	5	8	5	6	5	6	4	6	7	6	6	6	10	93		
isea	Acute Flaccid Paralysis (Suspected Polio)	A D	0	0	0	0	0	0	0	0	0	0	0	1 0	0	0	0	0	27 0	0
ē O		A	0	7	0	4	0	14	11	1	5	8	22	2	0	3	6	83	3,814	25
ntab	Measles	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	2
eve	No constal Tatanasa	Α	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	26	0
of Public Health Diarrheal Disea Influenza-Like Viral Hemorrhagic Fe Vaccine Preventable Dise as	Neonatal Tetanus	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0
ĆĠ	Yellow fever	Α	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	3	59	0
	Tellow level	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
i F	Dengue fever	Α	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
rhaç		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
nor	Ebola Virus Disease	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ŧ		0 A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	130	0 23
/iral	Lassa fever	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
- i		A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
za-L	COVID-19	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ne n			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	0
ī f	Influenza Like Illnesses	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
isea	Acute Bloody Diarrhoea (Shigellosis)	Α	0	0	2	2	0	1	0	2	0	1	0	1	0	0	1	10	312	0
a D	Acute bloody blamloca (Singenosis)	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
rrhe	Severe Acute Watery Diarrhoea (Cholera)	Α	0	2	0	1	0	0	0	2	0	4	2	2	1	2	1	17	435	0
Θ	Severe Acute Watery Diamioca (Choicia)	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
alth	Maternal Mortality	D	0	0	0	0	0	0	0	1	1	0	1	1	1	0	0	5	166	
*	Neonatal Mortality	D	2	0	0	2	0	0	0	0	1	0	15	1	2	0	1	24	381	
, ig	AFFI	А	2	0	0	1	0	0	0	2	0	0	0	0	1	0	3	9	319	0
₽	AEFI	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
t t	Unexplained Cluster of Health Events/Disease	А	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Even	S. CAPIGNICA CIUSICI OI FICALLI EVENTS/ DISEASI	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Monkeypox	Α	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	3	87	7
ses	inolike) pox	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
isea	Tuberculosis	Α	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ο e		D A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
rtab	Tuberculosis Human Exposure to Rabies (Suspected Human Meningitis		1	3	0	10	0	4	3	11	2	6	18	9	3	0	3	73	1,711	0
ode			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
er R	ង Meningitis	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3 0	22 0	0
₩	D A		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unexplained Cluster of deaths	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
É		A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Neglected Tr	Buruli Ulcer	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
glec	Yaws	Α	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N N	Tuws	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	то	TAL	5	12	3	22	0	20	0	19	0	19	0	20	0	7	17	235	7540	45

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%). 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: ≥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

Ralph W. Jetoh, MD, MPH

Director

Infectious Disease and Epidemiology Division National Public Health Institute of Liberia Republic of Liberia

Email: ralphica2000@gmail.com
Phone: +231 886526388/777372655
Website: www.nphil.gov.lr

National Public Health Institute of Liberia (NPHIL)

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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.