

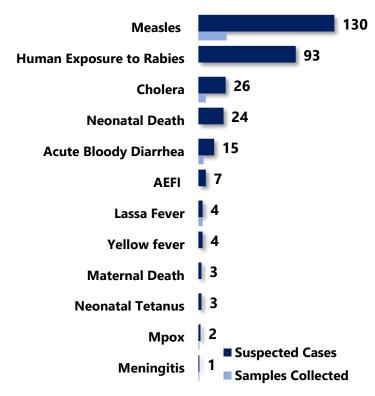
Liberia IDSR Epidemiology Bulletin

Epi-week 21 (May 22-28, 2023)

Country Population: 5,104,413 | Volume 20 Issue 18 | May 22-28, 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 312 events of public health importance including 30 deaths reported
- Completeness and timeliness of health facility reports were both 99%
- Ongoing Lassa fever outbreak in 3
 Counties
- Ongoing Measles outbreak in 12 Counties
- ♦ Ongoing Mpox outbreak in 2 Counties

Adverse Events Following Immunization/Adverse Drug Reaction (AEFI)

Reporting Coverage

Table 1: Health Facility Weekly IDSR Reporting Coverage, Liberia, Epi-week 21, 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	400	396	96	99
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	963	963	99	99

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: ≥80 <80

963(99%)
Health
facilities
reported
IDSR data

98(100%) Health districts reported IDSR data

963 (99%)
Health
facilities
reported
timely IDSR

Vaccine-Preventable Diseases

Measles

- One hundred thirty (130) suspected cases were reported from 11 Counties (see distribution in table 2)
- Twenty-seven (27) specimens collected and pending testing
- Eighty-five (84) were vaccinated (see distribution in table 3)

Table2: Distribution of Measles cases per county and epi-classification, Liberia, Epi-week 21, 2023

	Cases	Lab confirm	CLASSIFICA	TION OF				CUMULATIVE	CUMULATIVE #
COUNTY	Week 21	ed Epi Week 21	Lab confirmed	13 48 6 17 0 31 0 14 2 55 26 17 72 58 0 72 8 17 0 51 53 82 0 90 0 25 11 63	Clinically Compatible	Deaths	CFR (%)	# SUSPECTED CASES, EPI WEEK 1-21	CONFIRMED CASES, EPI WEEK 1-21
Bomi	3	0	0	13	48	0	0.0	72	63
Bong	7	0	2	6	170	1	0.6	178	178
Gbarpolu	0	0	0	0	31	0	0.0	32	31
Grand Bassa	4	0	0	0	142	0	0.0	144	142
Grand Cape Mount	0	0	0	2	55	0	0.0	66	58
Grand Gedeh	12	0	4	26	170	0	0.0	243	200
Grand Kru	19	0	6	72	585	2	0.3	665	663
Lofa	4	0	0	0	72	0	0.0	80	72
Margibi	4	0	1	8	175	0	0.0	186	184
Maryland	18	0	0	0	516	0	0.0	518	516
Montserrado	35	0	4	53	822	2	0.2	887	879
Nimba	11	0	2	33	224	3	1.2	261	259
River Gee	8	0	0	0	90	0	0.0	110	90
Rivercess	0	0	1	0	25	0	0.0	31	26
Sinoe	5	0	4	11	63	0	0.0	92	78
Grand Total	130	0	27	224	3,188	8	2	3,435	3,439

Table 3: Vaccination Status of Measles Cases, Liberia, Epi-week 21 2023

COUNTY	Total Cases	Number of Do		
COUNTY	vaccinated	One Dose	Two Doses	Dose Not Indicated
Bomi	2	0	2	0
Bong	2	2	0	0
Gbarpolu	0	0	0	0
Grand Bassa	0	0	0	0
Grand Cape Mount	0	0	0	0
Grand Gedeh	7	7	0	0
Grand Kru	10	9	0	1
Lofa	4	0	4	0
Margibi	3	3	0	0
Maryland	1	1	0	0
Montserrado	32	24	1	7
Nimba	11	9	0	2
River Gee	8	0	0	8
Rivercess	0	0	0	0
Sinoe	4	1	1	2
Total	84	56 (66.6%)	8 (9.5%)	20 (23.8%)

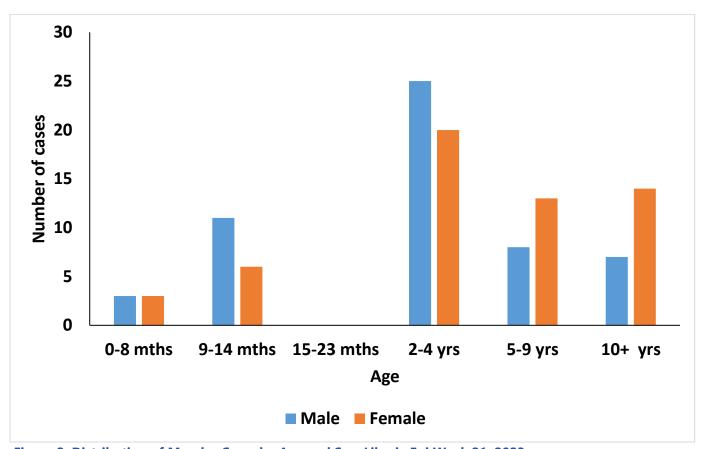


Figure 2: Distribution of Measles Cases by Age and Sex, Liberia Epi Week 21, 2023

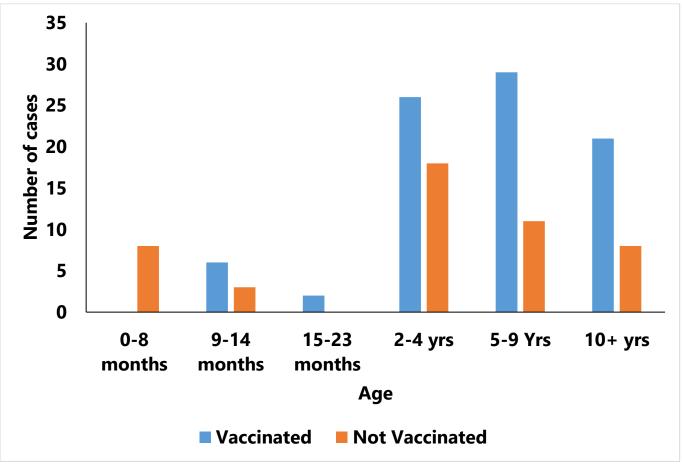


Figure 3: Vaccination Status of Suspected Measles Cases by Age Group, Liberia, Epi-Week 21, 2023

Outbreak Section

Table 4: Cumulative Distribution of Measles Cases and Deaths, December 13, 2021 - May 21, 2023

COUNTY	CUMUL ATIVE SUSPEC	CUMUL ATIVE CONFI		SIFICATI FIRMED			SSIFICATION DISTRIBUTION DISTRI		CUMUL ATIVE DEATHS	CFR (%)	# CONFI RMED CASES	# CONFI RMED CASES WEEK 20	% CHANGE	Outbreak Status
	TED CASES	RMED CASES	Lab conf irme d	Epi Link ed	Clinic ally Comp atible	Lab confir med	Epi Linke d	Clinical ly Compa tible	DEATHS		WEEK 19			
Montserra do	5, 210	5,144	145	4,44 9	550	3	61	5	69	1.6	32	35	9	Ongoing
Nimba	1009	979	39	837	103	0	0	4	4	0.1	11	6	45	Ongoing
Margibi	782	762	34	663	65	0	1	0	1	0	1	3	200	Ongoing
Grand Bassa	895	858	40	677	142	1	6	0	7	1	4	0	-100	Ongoing
Lofa	303	242	32	141	69	0	0	0	0	0	2	3	50	Ongoing
Bong	541	516	21	413	82	0	1	2	3	0.6	3	4	33	Ongoing
Maryland	859	851	22	661	168	0	0	0	0	0	21	27	29	Ongoing
Grand Gedeh	460	343	34	113	196	0	0	0	0	0	6	16	167	Ongoing
Sinoe	242	187	36	58	93	0	0	0	0	0	2	0	-100	Ongoing
Bomi	178	152	35	72	45	1	2	2	5	7.4	0	0	-	Ongoing
Grand Cape Mount	192	169	17	116	36	0	2	1	3	2.7	6	0	-100	Ongoing
Grand Kru	917	845	22	635	188	0	2	0	2	0	0	5	-	Ongoing
Gbarpolu	86	72	5	60	7	0	0	0	0	0	0	0	-	Ended
Rivercess	102	84	23	54	7	0	1	0	1	1.3	0	0	-	Ended
River Gee	67	56	3	0	53	0	0	0	0	0	11	1	-91	Ongoing
Total	11,843	11,260	508	8,94 9	1,804	5	76	14	95	1.5	99	100		

Public Health Response

I. Coordination

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

II. Epidemiological Surveillance

- Surveillance activities have been intensified in affected counties (Grand Kru, Grand Gedeh, and Maryland)
- Active case search
- Line listing of cases

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

V. Laboratory

- Specimens were collected from 5 districts in 3 counties for testing (River Gee-Sarbo, Chedepo and Gbeapo, Grand Gedeh-B'hai, and Sinoe-Kpanyan).
- o Five hundred nine (509) cases have been confirmed by laboratory from December 13, 2021 –May 21, 2023.

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
- Engagement with community stakeholders, parents and health care workers on measles prevention ongoing in Montserrado, Grand Cape Mount, Grand Gedeh, and Nimba Counties

Challenges

- Limited support to response to Measles outbreak in Grand Bassa County
- o Irregular samples transportation by Riders for Health in Grand Kru County
- o DSOs lack functional laptop computers (Gbarpolu, Bomi, Bong, Montserrado, Rivercess, and Margibi)
- o 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)

- Zero cases reported
- Cumulatively, twenty-three (23) cases were reported
 - o Ten (10) tested negative
 - o Twelve (12) pending

Neonatal Tetanus

- Three (3) neonatal tetanus cases were reported from Montserrado County
- Cumulatively, thirty (30) 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

- 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

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

Viral Hemorrhagic Diseases

Lassa fever

- Four (4) suspected cases were reported from Montserrado (2) including 2 deaths, Bong (1), and Grand Bassa (1) counties
- Four (4) Specimens were collected: 1 tested positive, 3 negative
- Cumulatively, one hundred nineteen (119) suspected cases reported
 - o Proportion of suspected cases with sample collected (109/119) 92%
 - Proportion of suspected cases with sample tested (102/109) 94%

Current Outbreak

Lassa fever disease

- No new confirmed case was reported
- Two suspected cases currently in isolation
- Cumulatively, seventy-five (75) laboratory-confirmed cases including 20 deaths reported (CFR=27%)

Table 5: Summary of Lassa fever Outbreak, Liberia, Jan 6, 2022-May 28, 2023

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
	Bushrod	13-Feb-23	2	2	0	1	50%	29	21	0	0	0	29	Completed	Over
Montserrado	Central Monrovia	3-Mar-23	1	1	0	1	100%	28	27	0	0	0	28	Completed	Over
	Suakoko	21-Apr-23	41	33	1	7	50%	303	147	6	4	46	253	Active	Ongoing
Bong	Sanoyea	5-Apr-22	6	1	0	1	100%	10	10	0	0	0	19	Completed	Over
	Jorquelleh	6-Jan-22	22	8	1	2	25%	99	61	3	3	0	94	Completed	Over
Grand Bassa	District 3A&B	9-Sep-22	54	27	0	7	26%	147	28	2	0	0	147	Active	Ongoing
Nimba	Saclepea- Mah	13-Mar-23	1	1	0	1	100%	36	32	4	0	0	36	Completed	Over
Tambu	Sanniquell ie-Mah	2-Feb-23	10	2	0	0	0%	43	35	8	0	0	43	Completed	Over
	8		137	75	2	20	27%	695	361	23	7	46	649		

Public Health Measures

o NPHIL continues to provide technical support to the affected counties

I. Surveillance:

- Heightened case detection and reporting in affected communities and districts
- o 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
- o 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

- Four (4) cases were reported from: Grand Kru (2), Grand Gedeh (1), and Nimba (1) Counties
- Specimens were not collected
- Cumulatively fifty-one (51) suspected cases reported
 - Proportion of suspected cases with samples collected (42/51) 82%
 - Three (3) samples were collected but not transported (Epi week 5 from Grand Gedeh, River Gee, and Grand Kru Counties)
 - Proportion of samples collected and tested (25/42) 60%
 - Negative- 25
 - Pending testing -14

Ebola Virus Disease

Zero suspected case was reported

Diarrheal Diseases

Acute Bloody Diarrhea (Suspected Shigellosis)

- Fifteen (15) cases were reported: Sinoe (4), Grand Gedeh (3), Bong (2), Lofa (1), Grand Kru (1), Rivercess (1), River Gee (1), Maryland (1), and Bomi (1) Counties
- Two (2) specimens were collected: 1 tested negative and pending testing
- Cumulatively, two hundred seventy-three (273) cases were reported
 - One hundred eleven (111) specimens were collected
 - 55 tested negative
 - 7 specimens rejected
 - o Fourteen (14) specimens were not transported in epi weeks 8, 12, 16, 18 & 21

Severe Acute Watery Diarrhea (Suspected Cholera)

- Twenty-six (26) suspected cases were reported: Maryland (7), Bong (5), Lofa (4), Nimba (4), Grand Bassa (2), Grand Kru (2), Bomi (1), and Rivercess (1) counties
- Seven (7) specimen was collected: 2 transported and 3 pending testing
 - Cumulatively, three hundred seventy-seven (377) cases reported
 - One hundred sixteen (116) specimens collected
 - 44 tested negative
 - 7 specimens rejected
 - o Fifteen (15) specimens were not transported in epi weeks 8, 12, 16, 17 & 18

Other Reportable Diseases

Animal bite (Human Exposure to Rabies)

Ninety-three (93) animal bites including death were reported

Table 6: Distribution of Animal bite cases and PEP administration per county, Liberia, Epi week 21, 2023

Counties	Cases	Person receiving PEP	PEP doses administered	Cumulative cases (Wk 1-21)	Cumulative PEP administered (Wk 1-21)
Bomi	2	1	0	27	14
Bong	3	2	0	116	52
Gbarpolu	1	0	0	13	0
Grand Bassa	5	2	0	118	10
Grand Cape Mount	1	1	1	39	22
Grand Gedeh	5	1	0	52	6
Grand Kru	6	0	0	122	15
Lofa	7	2	4	105	40
Margibi	6	3	2	90	45
Maryland	3	1	3	70	28
Montserrado	30	8	5	394	113
Nimba	10	7	4	172	65
Rivercess	2	0	2	29	25
River Gee	8	7	0	60	7
Sinoe	4	2	0	61	6
Total	93	37 (40%)	21	1,468	448

Public Health Actions

Ongoing monitoring and follow-up of cases

Meningitis

- One (1) case was reported from Grand Kru County
- Specimen collected and pending testing
- Cumulatively, nineteen (19) suspected cases reported
 - o Proportion of suspected cases with samples collected (17/19) 89%
 - o Proportion of sample tested (12/17) 71%
 - o 10 negative and 2 positive

Mpox

- Two (2) suspected cases were reported: Maryland and Nimba counties
- One specimen was collected and pending testing
- Cumulatively, seventy-four (74) suspected cases reported
 - o Seven (7) confirmed

Outbreak

Mpox:

- No new confirmed case reported
- Total of 12 confirmed cases reported
- Case Fatality Rate: 17%
- Forty (25) contacts are currently under follow up
- Two (2) counties are currently in outbreak

SITUATIONAL CONTEXT

Table 7: Summary of Mpox Outbreak, Liberia, Dec 5, 2022 – May 26, 2023

County	Outbreak Districts	Outbreak Start Date	Total suspected cases	Total confirmed cases	Total confirmed in HCWs	Deaths in HCWs	Total Deaths	CFR %	Total Contacts	# HCW contacts	Contacts_ became cases	Contacts under follow up	Contacts completed	Days in countdown	Outbreak Status
Bomi	Senjeh District	25-Jul-22	5	1	0	0	1	100%	15	0	0	0	15	Completed	Over
Riverc	Central "C"	5-Dec-22	3	2	0	0	0	0%	16	2	0	0	16	Completed	Over
Riv	Jo-River	22-Feb-23	1	1	0	0	0	0%	6	2	0	0	6	Completed	Over
Lof	Salayea	22-Dec-22	8	2	0	0	0	0%	13	0	0	0	13	Completed	Over
Cape Moun t	Senjeh	25-Jul-22	5	1	0	0	1	100%	15	0	0	0	15	Completed	Over
ς ğ ¯	Garwula	22-Feb-23	2	2	0	0	0	0%	6	0	1	0	6	Completed	Over
Nimba	Boe Quilla	5-Apr-23	4	1	0	0	0	0%	25	4	0	25	0	26	Ongoing
Sino	Kpanyan	18-Apr-23	12	1	0	0	0	0%	37	0	0	0	37	32	Ongoing
Gbarpolu	Belle	17-Mar-23	2	1	0	0	0	0%	7	0	0	0	7	Completed	Over
Total	9		42	12	0	0	2	17%	140	8	1	25	115		

Public Health Measures

I. Coordination

 National Public Health Institute of Liberia (NPHIL), Ministry of Health (MOH) and partners are providing technical support to the County Health Teams

II. Epidemiological Surveillance

- Active case search, case investigation, and contact tracing are ongoing in affected and neighboring communities and districts
- Daily monitoring of contacts ongoing by the surveillance team

III. Laboratory

- Ongoing testing of Mpox samples
- Twelve (12) Mpox cases have been confirmed

IV. Risk Communication and Community Engagement

o Community engagement and awareness 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
- o Limited copies of Mpox standard case definitions

Events of Public Health Importance

Maternal Mortality

- Three (3) deaths were reported: Rivercess (1), Bong (1), and Montserrado (1) Counties
- Reported causes: PPH (2), Eclampsia (1)
- Reporting Site:
 - o Health facility (2/3) 67%
 - o Community (1/3) 33%
- Cumulatively, one hundred forty-four (144) deaths reported
 - o Proportion of death reviewed (41/144) 28%
 - Proportion of community death (20/144)14%

Neonatal Mortality

- Twenty-four (24) deaths were reported: Montserrado (13), Grand Kru (2), Lofa (2), Sinoe (2), Nimba (1), Margibi (1), Grand Bassa (1), Bong (1), and Gbarpolu (1) counties
- Reported causes: Birth Asphyxia (17), Neonatal sepsis (4), and Prematurity (3)
- Reporting sites:
 - Health facility (23/24) 96%
 - o Community (1/24) 4%
- Cumulatively, three hundred thirteen (313) deaths reported

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

- 🖙 Seven (7) cases were reported: from Grand Gedeh (3), Grand Bassa (2), Lofa (1), and Bomi (1) Counties
- All reported cases were non-serious
- Related vaccine:
 - o COVID-19 (3/7) 43%
 - o Penta (3/7) 43%
 - o OPV (1/7) 14%
- Cumulatively, two hundred seventy-three (273) events were reported and COVID-19 accounted for (126/273) 46%

Border Surveillance Update

A total of 4,598 travelers were recorded for the week with incoming travelers accounting for 50% (2,291/4,598)

Table 8: Border activity at the PoE for Incoming and Outgoing Travelers, Liberia, Epi week 21, 2023

								Travelers Vaccinate d against			Evidence of
					Total	Yellow		YF &	Alerts		COVID-19
		Weekly			traverlers	Book	Card	Issued	detected/	COVID-19	vaccination
Type of Ports	Point of Entry	total	Arrival	Departure	with YB	Damage	Replaced	book	Verified	Reactive	card/certificate
	James S. Paynes	88	50	38	20	0	0	0	0	0	20
Airport	Robert Int'l Airport	3372	1593	1779	3312	64	0	60	0	0	3320
Seaport	Freeport of Monrovia	126	63	63	126	0	0	0	0	0	126
	Buchanan Port	40	20	20	40	0	0	0	0	0	40
	Bo Water Side	517	332	185	506	7	11	0	0	0	511
Land Crossing	Ganta	280	140	140	41	7	7	0	0	0	84
Lanu Crossing	Yekepa	69	44	25	23	0	0	0	0	0	45
	Loguatuo	106	49	57	84	0	0	0	0	0	38
Total	•	4,598	2,291	2,307	4,152	78	18	60	0	0	4,184

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
- 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
- o Active case search ongoing in affected and surrounding communities

Case Management

- o Administration of PEP
- Management of measles cases ongoing

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mmary	of Immediately Reportable I	Dise	ease	s, C	ond	itio	ns, a	and	Eve	nts	by C	Cour	nty							
			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
of Expect	ed Health District		4	9	5	8	5	6	5	6	4	6	7	6	6	6	10	93		
of Health	District Reported		4	9	5	8	5	6	5	6	4	6	7	6	6	6	10	93		
41	Acute Flaccid Paralysis (Suspected Polio)	Α	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	23	0
Vaccine Preventable Diseases		D A	3	7	0	0	0	0 12	0 19	0	0	0 18	35	0 11	0	0	0 5	0 130	0 3,221	0 27
ses	Measles	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ıe Prever Diseases	No anatal Tatanua	Α	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3	22	0
ccin	Neonatal Tetanus	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
Va	Yellow fever	Α	0	0	0	0	0	1	2	0	0	0	0	1	0	0	0	4	44	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Viral Hemorrhagic Fever	Dengue fever	A D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
orrh er		A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
lemorr Fever	Ebola Virus Disease	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
교 표		Α	0	1	0	1	0	0	0	0	0	0	2	0	0	0	0	4	93	20
i <u>.</u>	Lassa fever	D	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	14	8
ses	COVID-19		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Influenza- Like Illnesses	15	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
flue ke II	Influenza Like Illnesses	Α	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	0
트 크		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
es	Acute Bloody Diarrhoea (Shigellosis)	A D	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	15 0	230	0
Diarrheal Diseases		A	0	6	0	2	0	0	2	4	0	7	0	5	1	0	0	26	314	0
Di Di	Severe Acute Watery Diarrhoea (Cholera)	\vdash	0		0	0	0	0	0	0	0	0	0		0	0	0		0	0
	Maternal Mortality	D D	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	3	114	U
lic nce	-	+		1	1			0			1			1	_	0		24		
Events of Public Health Importance	Neonatal Mortality	D	0	1	0	2	0	3	0	2	0	0	13 0	0	0	0	2	7	260 258	0
s of Imp	AEFI	A D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
/ent alth		Α	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
щş	Unexplained Cluster of Health Events/Diseas	e D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		A	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2	65	17
Š	Мрох	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ease		A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dis	Tuberculosis	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
able	Liver on Evenes we to Debics (Svenes to diliver	Α	2	3	1	5	1	5	6	7	6	3	30	10	2	8	4	93	1,226	(
port	Human Exposure to Rabies (Suspected Huma		0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0
Other Reportable Diseases	Meningitis	Α	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	2	17	0
)the		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
O	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	0	0	0	0	0	0	0	0	0	0	0	0	0
cal ses	Buruli Ulcer	A D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Neglected Tropical Diseases		A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N E O	Yaws	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<u>i</u>							24	0	18	0									40

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

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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.