



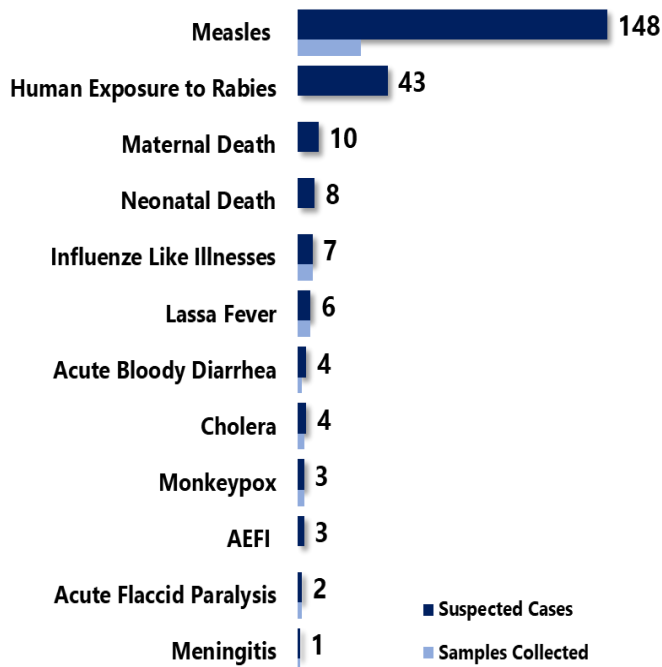
Liberia IDSR Epidemiology Bulletin

Epi-week 2 (January 9 - 15, 2023)

Country Population: 5,104,413 | Volume 18 Issue 2 | January 9 -15, 2023 | Data Source: CSOs from 15 Counties and Laboratory

Highlights

Figure 1: Public Health Events Reported



Keynotes and Events of Public Health Significance

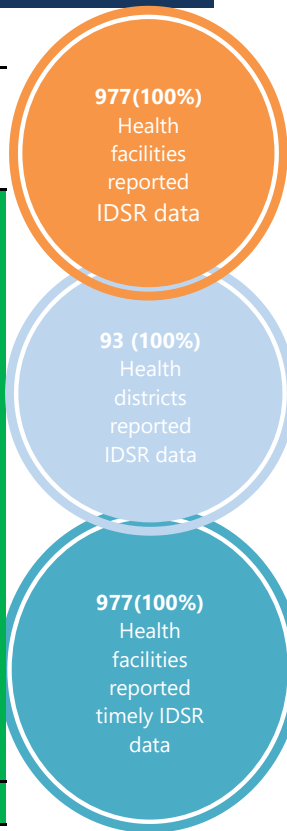
- ◆ A total of 239 events of public health importance including 21 deaths reported
- ◆ Completeness and timeliness of health facility reports were 100% respectively
- ◆ Ongoing Lassa fever outbreak in 3 Counties
- ◆ Ongoing Measles outbreak in 13 Counties
- ◆ Ongoing Monkey pox outbreak in Rivercess and Lofa Counties

Adverse Events Following Immunization/Adverse Drug Reaction

Reporting Coverage

Table 1: Health Facility Weekly IDSR Reporting Coverage, Liberia, Epi-week 2, 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	418	100	100
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	977	100	100



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

Legend: ≥80 <80



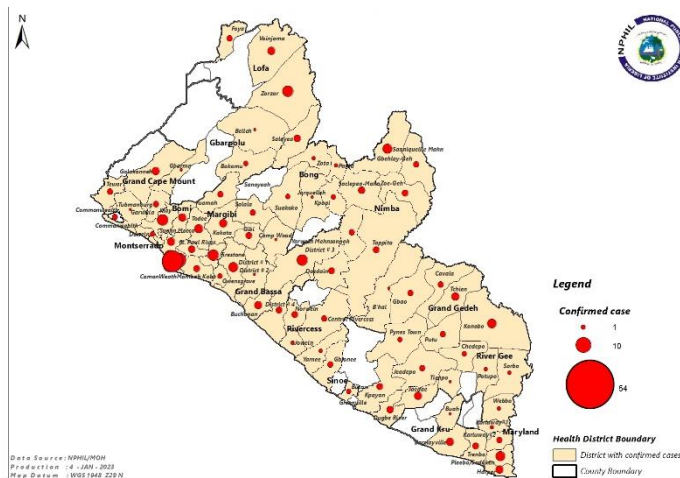
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Vaccine-Preventable Diseases

Measles

- ☞ Twenty-nine (29) specimens were collected and pending testing
- ☞ Age distribution among suspected cases
 - < 5 years: (83) 56%
 - ≥5 years: (65) 44%



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

148 suspected cases

30 specimens collected

CFR: 1.4%

COUNTY	CURRENT WEEK		CLASSIFICATION OF CONFIRMED CASES			DEATHS	CFR (%)	CUMULATIVE (WK 1-2)
	SUSPECTED	CONFIRMED	Lab Confirmed	Epi-Linked	Clinically Compatible			
Bomi	1	1	0	1	0	0	0	2
Bong	8	8	0	5	3	1	12.5	8
Grand Bassa	4	4	0	4	0	0	0	5
Grand Cape Mt	5	5	0	5	0	0	0	5
Grand Gedeh	7	7	0	0	7	0	0	7
Grand Kru	41	41	0	41	0	1	2.4	66
Lofa	0	0	0	0	0	0	0	1
Margibi	2	2	0	2	0	0	0	5
Maryland	36	36	0	36	0	0	0	57
Montserrado	33	33	0	33	0	0	0	54
Nimba	5	5	0	5	0	0	0	13
River Gee	1	1	0	1	0	0	0	1
Rivercess	0	0	0	0	0	0	0	0
Sinoe	5	5	0	0	5	0	0	6
Total	148	148	0	133	15	2	1.4	230



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Vaccination Status of Measles Cases, Liberia, Epi week 2, 2023

COUNTY	Total Cases vaccinated	Number of Doses Received		Dose Not Indicated
		One Dose	Two Doses	
Bomi	1	0	1	0
Bong	6	1	1	5
Grand Bassa	1	0	1	0
Grand Cape Mount	3	3	0	0
Grand Gedeh	4	0	0	4
Grand Kru	20	0	0	20
Margibi	1	1	0	0
Maryland	3	0	3	0
Montserrado	24	5	17	2
Nimba	4	3	1	0
River Gee	1	0	0	1
Sinoe	5	0	2	3
Total	73 (49%)	13 (18%)	26 (36%)	36 (49%)

Vaccinated: 73/148 (49%)

Public Health Response

I Coordination

☞ Ongoing monitoring of measles surveillance data with the provision of feedback to relevant stakeholders and developmental partners

II. Epidemiological Surveillance

☞ Active case search and line listing of cases ongoing

III. Case Management

☞ Isolation and treatment of cases ongoing

V. Laboratory

☞ Four hundred eighty-eight (488) cases have been confirmed by the laboratory across the 15 counties

VI. Risk Communication and Community Engagement

○ Community engagement and health education ongoing in affected counties

Next steps

- NPHIL/MOH to procure essential drugs for case management
- Develop national Measles preparedness and response plan

Acute Flaccid Paralysis (AFP)

☞ Two (2) cases were reported from Grand Bassa and Grand Gedeh Counties



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- ☞ Specimens were collected and shipped
- ☞ Cumulatively, two (2) cases reported

Neonatal Tetanus

- ☞ Zero case reported

Influenza-Like Illnesses

Coronavirus Disease (COVID-19)

Outbreak

- ☞ No new confirmed was reported
- ☞ A total of one thousand one hundred-fourteen (1,114) confirmed cases have been reported since epi week 1
- ☞ Cumulatively, eight thousand fifty-three (8,053) 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

Influenza Like Illnesses

- ☞ Seven (7) suspected cases were reported from Montserrado County
- ☞ Specimens were collected and pending testing
- ☞ Cumulatively, eleven (11) suspected cases reported

Viral Hemorrhagic Diseases

Lassa fever

- ☞ Six (6) suspected cases were reported from Bong (5 including 1 death) and Margibi (1) Counties
- ☞ Specimens were collected, 4 tested positive, 1 negative, and 1 pending testing
- ☞ Cumulatively, nine (9) suspected cases reported
 - Proportion of suspected cases with a sample collected (9/9) 100%
 - Proportion of suspected cases with sample tested (8/9) 89%

Outbreak

Lassa fever disease: (Sitrep update as of January 9-15, 2023)

- ☞ Four new confirmed cases were reported
- ☞ Sixty-nine (69) contacts under 21 days' follow-up
- ☞ Cumulatively, eighty-one (81) laboratory-confirmed cases including 26 deaths reported (CFR=32%)



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Summary of Lassa fever Outbreak, Liberia, Jan 6, 2022-Jan 15, 2023

County	Outbreak Start Dates	Outbreak Districts	Total suspected cases	Total confirmed cases	Total Deaths	CFR %	Total Contacts	# HCW contacts	Contacts under follow up	Contacts completed
Bong	January 6, 2022 to date	Suakoko, Sanoyea, & Jorquelleh	78	31	6	19	272	172	57	215
Nimba	January 18 April 15, 2022	Sanniquellie-Mah-Mah	14	7	4	57	104	48	0	104
	August 15 to date	Sanniquellie-Mah-Mah, Tappita, & Saclepea-Mah	28	10	7	70	190	137	0	190
Grand Bassa	November 5, 2021-April 2, 2022	District #3 A&B	12	5	1	20	24	0	0	24
	May 5 to August 14, 2022	District #3AB	13	6	1	17	24	0	0	24
	September 9 to date	District #3 A&B	31	20	6	30	104	21	12	92
Total		7	176	79	25	213	718	378	69	649

Summary of Confirmed Lassa fever cases from Bong County, Liberia, January 9-15, 2023

Age (Yrs)	Sex	Community	District of outbreak	Date of Onset	Date of Admission	Date ribavirin initiated	Date specimen collected	Date sent to Lab.	Date Confirmed	Total contacts
48	F	Phebe Compound	Suakoko	Jan. 1, 2023	9-Jan-23	9-Jan-23	9-Jan-23	Jan. 9, 2023	12-Jan-23	5 (3HCW)
28	M	Bong Mine Road, Kakata City	Suakoko	Jan. 1, 2023	9-Jan-23	9-Jan-23	11-Jan-23	Jan. 11, 2023	Jan-23	8 (1 HCW)
6	M	Phebe Compound	Suakoko	Jan. 4, 2023	9-Jan-23	9-Jan-23	11-Jan-23	Jan. 11, 2023	13-Jan-23	3 (1 HCW)
48	M	Gbenequelleh	Jorquelleh	2-Jan-23	11-Jan-23	11-Jan-23	12-Jan-23	Jan. 12, 2023	16-Jan-23	12 (10 HCW)

Public Health Measures

- NPHIL provides technical support to the county
- A one-day district meeting on Lassa fever prevention and control creating awareness of the prevention of Lassa fever was conducted in two districts (District #3 A&B and District #2 in Grand Bassa County) two districts in (Sanniquellie-Mah & Saclepea-Mah Districts in Nimba County)



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- 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
- Health workers and visitors are encouraged to enhance IPC practices by regular washing of hands
- Limited community engagement

Surveillance:

- Heighten surveillance in affected communities and districts
- Situational reports are produced and shared regularly at the National Level
- Daily follow-up/monitoring of contacts

RCCE

- Health Education in affected and surrounding communities

Case Management

- Isolation and treatment of confirmed cases

Yellow fever

- 📌 Zero suspected cases reported
 - Proportion of suspected cases with samples collected (1/1) 100%

Ebola Virus Disease

- 📌 Zero suspected cases reported

Diarrheal Diseases

Acute Bloody Diarrhea (Suspected Shigellosis)

- 📌 Four (4) cases were reported from Lofa (2), Grand Cape Mount (1), and Grand Gedeh (1) Counties
- 📌 Two specimens were collected and pending testing
- 📌 Cumulatively, seven (7) cases reported

Severe Acute Watery Diarrhea (Suspected Cholera)

- 📌 Four (4) cases were reported from Bomi, Lofa, Maryland and River Gee Counties
- 📌 Three specimens were collected and pending testing
- 📌 Cumulatively, six (6) suspected cases reported

Other Reportable Diseases

Animal bite (Human Exposure to Rabies)

- 📌 Forty-three (43) animal bite cases were reported:



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County	# of Cases	# Person receiving PEP	# of Males	# of Females	Cases < 15	Cases ≥ 15
Montserrado	9	8	6	3	5	4
Nimba	7	3	4	3	3	4
Grand Kru	7	6	3	4	3	4
Rivercess	4	0	3	1	1	3
Margibi	3	2	2	1	1	2
Maryland	3	0	2	1	1	2
Grand Basaa	3	0	2	1	1	2
Bong	2	0	1	1	2	0
Grand Gedeh	2	0	0	2	0	2
Sinoe	2	0	1	1	0	2
Lofa	1	0	0	1	0	1
Total	43	19 (44%)	24 (56%)	19 (44%)	17 (40%)	26 (60%)

☞ Cumulatively, seventy-nine (79) suspected cases reported

☞ Cumulative PEP administered (22/79) 28%

Public Health Actions

☞ Ongoing monitoring and follow-up of cases

☞ Five (5) dogs under quarantine

Meningitis

☞ One (1) suspected case reported from Nimba County

☞ Specimen was collected and pending testing

☞ Cumulatively, three (3) suspected cases reported

○ Proportion of suspected cases with samples collected (3/3) 100%

○ Proportion of sample tested (1/3) 33%

Monkeypox

☞ Three (3) suspected cases reported from Lofa County

☞ Specimens were collected; two negative and one pending testing

☞ Cumulatively, five (5) suspected cases reported

Outbreak

Monkeypox:

☞ No new cases reported

☞ Total of 16 contacts generated from the outbreak

☞ All contacts have completed follow-up

☞ Total confirmed cases reported: 3

☞ Counties currently in outbreak: 2



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Summary of Monkey pox Outbreak, Liberia, Dec 5, 2022-Jan 15, 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
Rivercess	Dec 5 to date	Central "C"	2	1	0	0.0	6	2	1	5
Lofa	Dec 22 to date	Salayea	2	1	0	0.0	10	0	1	9

Public Health Measures

I. Coordination

- National Public Health Institute of Liberia (NPHIL) and the Ministry of Health (MOH) along with partners are also providing technical support to the County Health Team
- Incident Management System activated to coordinate the response
- The county Rapid Response Team has been activated to assess the progress of the confirmed Monkeypox response activities

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. Laboratory

- The National Public Health Reference Laboratory continues testing of Monkeypox samples
- Three (3) specimens collected and tested
- Three (3) monkeypox cases have been confirmed

IV. Case management and IPC

- Supportive management is ongoing for confirmed cases
- Symptomatic treatment of the suspected case initiated
- One case has been treated and discharged
- IPC measures instituted in affected communities and schools
- All affected communities advised following IPC protocol

V. Risk Communication and Community Engagement

- Community engagement and awareness with local leaders and community development health committees in the affected community and surrounding towns ongoing
- Radio talk show ongoing to create public awareness in the affected community and surrounding towns

Key Challenges

- No specimen collection kits for monkeypox
- Limited support to enhance active case finding in Monkeypox affected and neighboring districts
- No support from county-based partners for response activities
- Delay in sending lab results to the Counties



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- Lack of IPC materials for response activities
- Shortages of updated samples collection (EDTA blood tubes) materials
- Limited case-based forms for the case investigators (Lofa)
- Limited monkeypox standard case definitions

Events of Public Health Importance

Maternal Mortality

- ☞ Ten (10) deaths were reported from Montserrado (3), Grand Bassa (2), Margibi (2), Nimba (2), and River Gee (1) Counties
- ☞ Reported causes: PPH (7), sepsis (2), and antepartum hemorrhage (1)
- ☞ Reported sites:
 - Health facility: (8) 80%
 - Communities: (2) 20%
- ☞ Cumulatively, sixteen (16), deaths reported
 - Proportion of death review (5/16) 31%
 - Proportion of community death (4/16) 25%

Neonatal Mortality

- ☞ Eight (8) deaths were reported: Montserrado (5), Grand Gedeh (1), Lofa (1), and Margibi (1) Counties
 - Reported causes: Birth asphyxia (5), sepsis (2), and prematurity (1)
 - Health facility: (8) 100%
- ☞ Cumulatively, fourteen (14) deaths reported

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

- ☞ Three (3) cases were reported from Grand Kru and Lofa Counties
- ☞ Related vaccine:
 - COVID-19 (2/3) 67%
 - Penta -(1/3) 33%
- ☞ Cumulatively, three (3) events reported

Border Surveillance Update

☞ A total of 10,128 travelers were recorded for the week with incoming travelers accounting for 52% (5,281/10,128)

Table 2: Border activity at the PoE for Incoming and Outgoing Travelers, Liberia, Epi week 1, 2023

Type of Ports	Point of Entry	Weekly total	Arrival	Departure	Total travelers with YB	Yellow Book Damage	Card Replaced	Vaccinated against YF & Issued book	Alerts detected/ Verified	COVID-19 Reactive	COVID-19 vaccination card/certificate
Airport	James S. Paynes	66	16	50	45	0	0	0	0	0	6
	Robert Int'l Airport	3890	1889	2001	3832	40	0	0	0	0	3852
Seaport	Freeport of Monrovia	182	91	91	182	0	0	0	0	0	182
	Buchanan Port	120	60	60	120	0	0	0	0	0	182
Land Crossing	Bo Water Side	585	334	251	581	0	0	0	0	0	573
	Ganta	317	207	110	172	3	0	0	0	0	167
	Yekepa	70	53	17	46	0	0	0	0	0	53
	Loguatu	198	87	111	117	0	0	0	0	0	95
	Yeala	715	304	411	0	0	0	0	0	0	0
	Kpazagizzia	147	70	77	0	0	0	0	0	0	0
	Bolongoidu	446	334	112	0	0	0	0	0	0	0
	Lawalazu	76	53	23	0	0	0	0	0	0	0
	Safedu	136	106	30	0	0	0	0	0	0	0
	Konadu	438	300	138	0	0	0	0	0	0	0
	Foya Tengia	679	294	385	0	0	0	0	0	0	0
	Mendicoma	647	335	312	0	0	0	0	0	0	0
	Sorlumba	672	322	350	0	0	0	0	0	0	0
	Worsonga	744	363	381	0	0	0	0	0	0	0
Total		10,128	5,218	4,910	5,095	43	0	0	0	0	5,110

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



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Public Health Measures

National level

- ☞ Ongoing vector control training in Bong, Grand Cape Mount, Margibi, Montserrado and Nimba Counties
- ☞ NPHIL provided operational support to Rivercess County support Monkeypox outbreak
- ☞ Ongoing Environmental interventions in Lassa fever hotspot communities
- ☞ Continued support for operational activities ongoing

County-level

☞ 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

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 Diseases	Acute Flaccid Paralysis (Suspected Polio)	A	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	2	0	
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Measles	A	1	8	0	4	5	7	41	0	2	36	33	5	0	1	5	148	210	0	
		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	0	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Yellow fever	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Viral Hemorrhagic Diseases	Dengue fever	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
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	4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	5	8	6
		D	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
Influenza-Like Illnesses	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	0
	Influenza Like Illnesses	A	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	7	7	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	1	1	0	2	0	0	0	0	0	0	0	0	4	7	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	1	0	0	0	0	0	1	0	1	0	0	0	0	1	0	4	6	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	0	0	2	0	0	0	2	0	3	2	0	1	0	10	15			
		D	0	0	0	0	0	1	0	1	1	0	5	0	0	0	8	10			
	Adverse Events Following Immunization (AEFI)	A	0	0	0	0	0	2	1	0	0	0	0	0	0	0	3	3	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	0
Other Reportable Diseases	Monkeypox	A	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3	5	0		
		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	0	2	0	3	0	2	7	1	3	3	9	7	4	0	2	43	457	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	1	0	0	1	3	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	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	
		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	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	
TOTAL		2	15	0	10	0	12	0	9	0	40	0	15	0	3	7	239	735	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 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 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.