

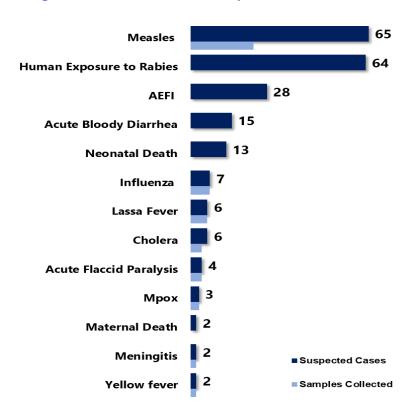
Liberia IDSR Epidemiology Bulletin

Epi-week 10 (March 4-10, 2024)

Country Population: 5,104,413 | Volume 20 Issue 10 | March 4-10, 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 217 events of public health importance including 17 deaths reported
- Completeness and timeliness of health facility reports were both 99%
- Ongoing Lassa fever outbreak in 2 Counties
- Ongoing Measles outbreak in 5 Counties
- ♦ Ongoing Mpox outbreak in 1 county

Adverse Events Following Immunization/Adverse Drug Reaction (AEFI)

Reporting Coverage

Table 1: Health Facility Weekly IDSR Reporting Coverage, Liberia, Epi-week 10, 2024

County	Expected Reports From HF*	Reports Received	Received on Time	Completeness (%)	Timeliness (%)
Bomi	29	29	29	100	100
Bong	66	64	64	97	97
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	25	100	100
Grand Kru	25	25	25	100	100
Lofa	60	60	60	100	100
Margibi	62	62	62	100	100
Maryland	27	27	27	100	100
Montserrado	391	385	384	98	98
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	962	954	953	99	99

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

• Bomi did not meet target for both completeness and timeliness, while Gbarpolu did not reach target for timeliness.

Legend: ≥80 <80

954 (99%)
Health
facilities
reported
IDSR data

97(99%)
Health
districts
reported
IDSR data

953(99%)
Health
facilities
reported
timely IDSR
data

Vaccine-Preventable Diseases

Measles

- Sixty-five (65) suspected cases were reported (see table below)
 - o Twenty-three (23) specimens were collected: 1 (one) tested negative and 22 pending testing
 - o Proportion of suspected cases that were vaccinated (25/65) 38%
- Cumulatively, four hundred and three (403) cases reported
 - o Proportion of suspected cases with sample collected (184/403) 46%
 - o Proportion of suspected cases with sample tested (136/184) 74% (negative 86, confirmed 50)
 - o Proportion of negative Measles cases tested for Rubella (85/86) 99% (negative 73, confirmed 12, pending testing 1)

Table 2: Distribution and Vaccination Status of Measles Cases, Liberia, Epi-week 10, 2024

	·		Number o	of Doses Rece	ived
				Two	Doses Not
County	# of cases	Vaccinated	One Dose	Doses	Indicated
Bomi	1	1	0	1	0
Bong	1	1	0	0	1
Grand Bassa	2	1	0	1	0
Grand Gedeh	5	2	1	1	0
Grand Kru	24	2	1	1	0
Lofa	1	1	0	1	0
Maryland	7	2	1	1	0
Montserrado	4	2	0	2	0
Nimba	13	7	6	0	1
River Gee	2	2	0	0	2
Sinoe	5	5	0	0	5
Total	65	25	9	8	9

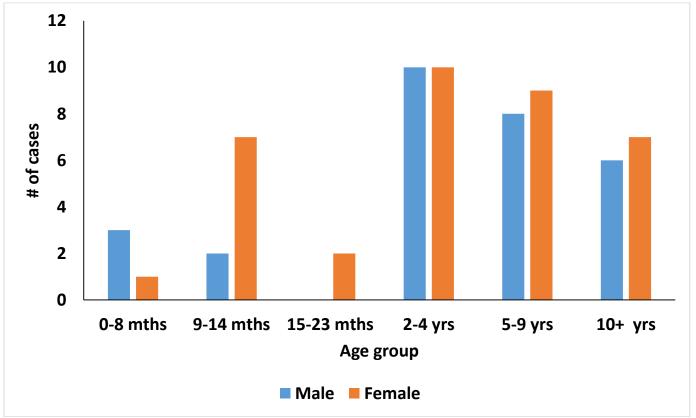


Figure 2: Distribution of Measles Cases by Age Group and Sex, Liberia Epi Week 10, 2024

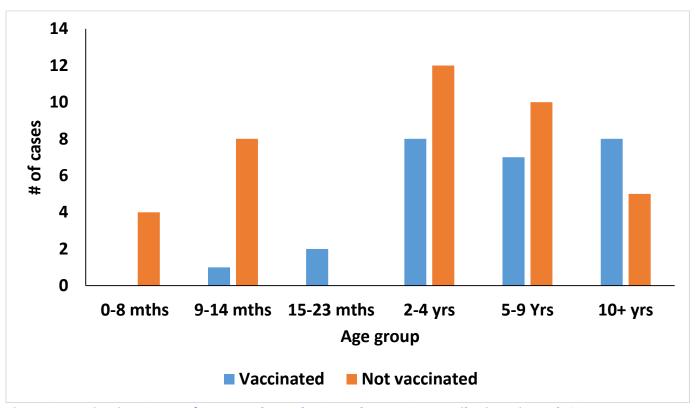


Figure 3: Vaccination Status of Suspected Measles Cases by Age Group, Liberia, Epi-Week 10, 2024

Outbreak Section

Table 3: Status of Confirmed (lab, clinically confirmed and epi-linked) Measles Cases by County, Liberia, December 13, 2021- March 10, 2024

COUNTY	CUMULA TIVE	CUMULATI VE	CLASSIFI CONFIRM					TION OF DEATHS	CUMUL ATIVE	CFR	# CONFIR MED	# CONFIRM ED CASES WEEK 10
	SUSPECT ED CASES	D CASES	Lab confirm	Epi Linke d	Linke Compati		Epi Linke d	Clinically Compati ble	DEATHS	(%)	CASES WEEK 9	
Montserrado	5, 456	5,373	148	1658	3, 567	3	61	5	69	1.3	0	0
Nimba	1, 173	1,146	50	225	871	0	1	3	4	0.4	12	6
Margibi	827	803	37	136	630	0	0	1	1	0.1	0	0
Grand Bassa	962	924	41	212	671	1	0	6	7	0.9	0	0
Lofa	353	284	35	66	183	0	0	0	0	0	0	0
Bong	603	578	25	21	532	0	1	2	3	0.5	0	0
Maryland	1221	1202	26	308	868	0	0	0	0	0	3	7
Grand Gedeh	700	551	57	86	408	0	0	0	0	0	9	4
Sinoe	284	231	48	84	99	0	0	0	0	0	0	0
Bomi	183	147	37	27	83	1	2	2	5	3	0	0
Grd Cape Mt	215	187	23	18	146	0	2	1	3	1.6	0	0
Grand Kry	1022	993	42	115	836	0	0	2	2	0.2	0	25
Gbarpolu	67	46	5	2	39	0	0	0	0	0	0	0
Rivercess	112	84	26	54	4	0	1	0	1	1.1	0	0
River Gee	117	93	21	14	58	0	0	0	0	0	5	0
Total	13,295	12,642	621	3,026	8,995	5	68	22	95	7.8	29	42

Table 4: Status of Confirmed Measles Cases by County, Liberia, December 13, 2021 - March 10, 2024

County	Total Cases	Active	Recovery	Deaths	# of Districts
Montserrado	5,373	0	5,304	69	0/7
Nimba	1,146	6	1,124	4	1/6
Grand Bassa	924	0	917	7	0/8
Margibi	803	0	802	1	0/4
Bong	578	0	575	3	0/9
Maryland	1,202	7	1191	0	3/6
Lofa	284	0	284	0	0/6
Grand Kru	993	25	966	2	2/5
Grand Cape Mount	187	0	184	3	0/5
Bomi	147	0	142	5	0/4
Rivercess	84	0	83	1	0/6
Gbarpolu	46	0	46	0	0/5
Grand Gedeh	551	4	547	0	2/6
River Gee	93	0	88	0	1/6
Sinoe	231	0	231	0	0/10
Total	12,642	42	12, 505	95	9/98

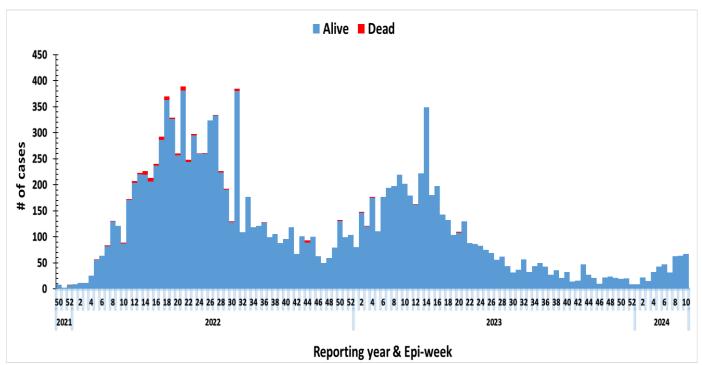


Figure 4: Epi Curve of Measles Cases Liberia, Epi week 50, 2021 – Epi week 10, 2024

Public Health Measures

I. Coordination

o IMS meetings are being held for coordination and mobilization of resources in affected counties.

II. Epidemiological Surveillance

 Active case search and contact tracing ongoing in affected Counties/Districts; Maryland (Pleebo, Karluway-II, and Harper), River Gee (Potupo), Nimba (Saclepea-Mah), Grand Kru (Buah and Barclayville), and Grand Gedeh (Konobo, and Tchien) Counties.

III. Case management

o Case management ongoing in Maryland, Nimba, River Gee, Grand Kru, and Grand Gedeh Counties.

IV. Immunization

 Routine immunization intensified in affected districts (Pleebo, Konobo, Karluway-II, Tchien, Buah, Barclayville, and Harper) in Maryland, Grand Gedeh, River Gee, and Nimba Counties.

V. Laboratory

 Six hundred twenty-one (621) cases have been confirmed by the NPHRL from December 13, 2021 – March 3, 2024.

VI. Risk Communication and Community Engagement

o Community engagement and health education ongoing in affected and surrounding communities.

VII. Logistics

 Distributed 950 tablets of 250mg Amoxicillin, 3,500 capsules of vitamin A (200.000 IU) and 700 capsules of vitamin A (100,000 IU) with support from UNICEF to four (4) Health districts (Konobo, Putu, Tchien, and Cavalla).

Challenges

- Limited supply of essential medications and medical supplies for case management
- o No movement and communication support for surveillance team for field work
- Limited isolation space for cases in Grand Gedeh County
- o DSOs lack computers for effective reporting and data analysis (Grand Gedeh
- Lack of needed logistical resources to adequately respond

Acute Flaccid Paralysis (AFP)

- Four (4) cases were reported from Lofa (2), Montserrado (1), and Grand Bassa (1) Counties
- All specimens were collected and pending testing
- Cumulatively, fourteen (14) cases have been reported (13 shipped, 1 pending sixty (60) days follow-up)

Neonatal Tetanus

- Zero cases were reported
- Cumulatively, six (6) cases have been reported including three (3) deaths

Influenza-Like Illnesses

Coronavirus Disease (COVID-19)

- Zero suspected cases were reported
- Cumulatively, two (2) cases have been reported

Influenza

- Seven (7) suspected cases (SARI) were reported from Montserrado County
 - o All specimens were collected and tested negative
- Cumulatively, thirty (30) suspected cases reported

o Thirty (30) specimens were collected: 25 tested negative and 5 specimens were discarded

Viral Hemorrhagic Fever

Lassa fever

- Six (6) suspected cases were reported from Nimba (2 deaths), Lofa (2), Montserrado (1), and Bong (1) Counties
 - o All specimens were collected and tested negative
- Cumulatively, forty-four (44) suspected cases have been reported
 - o Proportion of suspected cases with sample collected (44/44) 100%
 - o Proportion of suspected cases with sample tested (43/44) 98%
 - o Negative 41, confirmed 2, and 1 sample under review

Outbreak

- No new confirmed case reported
- All sixteen (16) contacts including 10 healthcare workers completed 21 days follow up
- Cumulative Case Fatality Rate (CFR): 29% (41/140)
- One county currently in outbreak (Bong)

Table 5: Summary of Lassa fever Outbreak, Liberia, January 6, 2022- March 10, 2024

	Jannay (J. =4336				,		٠, ٠, ٠		a.c.					
County	Outbreak Districts	Outbreak Start Date	Total suspected	Total confirmed	HCWs confirmed		Deaths in HCWs	CFR %	Total Contacts	# HCW contacts	Contacts_ became cases	Contacts under follow up	Contacts completed	Days in countdown	Outbreak Status
	Bushrod	13-Feb-23	17	1	0	0	0	0%	29	21	0	0	29	Completed	Over
Montserrado	Central Monrovia	27-Nov-23	1	2	0	1	0	50%	49	0	0	0	49	Completed	Over
	Central Monrovia	3-Mar-23	38	2	0	1	0	50%	28	27	0	0	28	Completed	Over
	Suakoko	21-Apr-24	192	54	18	13	2	24%	496	114	6	0	417	Completed	Over
Bong	Suakoko	23-Feb-24	7				0	0%	16	10		16		Active	Ongoing
	Jorquelleh	15-Oct-23	14	6	3	1	1	17%	121	86	3	0	169	Completed	Over
Grand Bassa	District 3A&B	21-Aug-23	87	44	0	10	0	23%	177	40	40	0	159	Completed	Over
Granu Dassa	Buchanan	11-Aug-23	2	1	0	1	0	100%	4	2	0	0	4	Completed	Over
	Saclepea-Mah	21-Nov-23	4	2	0	1	0	50%	5	0	0	0	5	Completed	Over
Nimba	Sanniquellie-Mah	6-Feb-23	42	15	0	6	0	40%	43	35	8	0	43	Completed	Over
Nimoa	Tappita	20-Nov-23	12	5	0	3	0	60%	88	39	4	0	77	41	Countdown
	Bain-Garr	1-Jun-23	24	6	0	3	0	50%	61	25	0	0	31	Completed	Over
River Gee	Putupo	25-Nov-22	1	1	0	1	0	100%	14	0	0	0	14	Completed	Over
Total			441	140	21	41	3	29%	1131	399	61	16	1025		

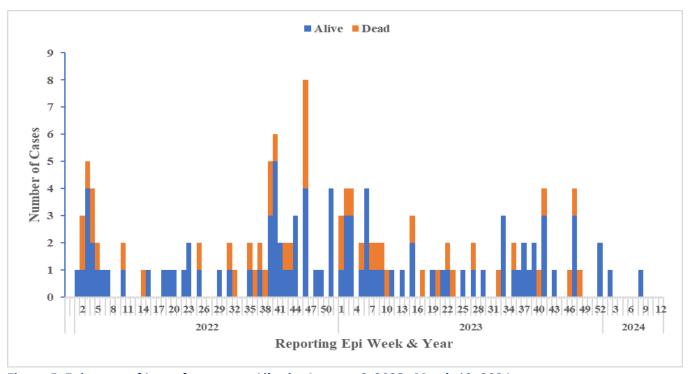


Figure 5: Epi-curve of Lassa fever cases, Liberia, January 6, 2022- March 10, 2024

Public Health Measures

Coordination

• The National Public Health Institute of Liberia (NPHIL) and the Ministry of Health (MOH) are providing technical support to the surveillance team with support from partners.

Surveillance:

- o Active case search ongoing in affected communities and districts
- o Weekly Sit-Reps developed and disseminated to stakeholders

Laboratory

- The National Public Health Reference Laboratory continues testing of Lassa fever samples
- o A total of 140 Lassa fever cases have been confirmed since this outbreak

Case management and IPC

- o The last case was treated and discharged from Phebe Hospital
- Ribavirin supply in country are being distributed for treatment of Lf cases to affected counties
- o Ribavirin is being administered to the current confirmed case

Risk Communication and Community Engagement

Risk communication and community engagement ongoing in affected and surrounding communities

Challenges

- Limited of support for communication and transportation to enhance contact tracing and active case search
- Limited stationeries in the EOC to produce case alert forms, contact tracing form, and other tools for investigation

Yellow fever

- Two (2) suspected case was reported from Grand Kru County
 - All specimens were collected and pending testing
- Cumulatively, fourteen (14) cases have been reported
 - o Proportion of suspected cases with samples collected (12/14) 86% however, 2 samples were discarded
 - o Proportion of suspected cases with samples tested (7/12) 58% (negative 7)
 - o Five samples pending testing

Dengue

- Zero cases were reported
- Cumulatively, three (3) suspected cases reported,
- 2 specimens collected and pending testing

Ebola Virus Disease

Zero cases have been reported

Diarrheal Diseases

Acute Bloody Diarrhea (Suspected Shigellosis)

- Fifteen (15) cases were reported from Rivercess (3), Lofa (2), Sinoe (2), Nimba (2), Bomi (2), Margibi (1), River Gee (1), Bong (1) and Montserrado (1) Counties
 - Nine (9) specimens were collected: 1 tested negative and 8 pending testing
- Cumulatively, eighty-five (85) cases have been reported
 - o 45 specimens collected, 32 reached the Lab
 - o 22 tested negative, 3 rejected, 7 pending testing

Severe Acute Watery Diarrhea (Suspected Cholera)

- Six (6) cases were reported from Maryland (2), Margibi (1), Sinoe (1), Grand Bassa (1) and Bong (1) Counties
 - o Four (4) specimens were collected: 1 tested negative and 3 pending testing
- Cumulatively, seventy-two (72) cases have been reported

- 36 specimens collected, 21 reached the Lab
- 15 tested negative, 2 rejected and 4 pending testing

Other Reportable Diseases

Animal bite (Human Exposure to Rabies)

- Sixty-four (64) animal bite cases were reported from, Montserrado (21), Grand Bassa (9), Nimba (8), Bong (5), Maryland (4), Rivercess (4), Grand Kru (3), Lofa (2), Sinoe (2), River Gee (2), Margibi (1), Grand Gedeh (1), Grand Cape Mount (1), and Bomi (1) Counties
- All bites were attributed to dog
- Proportion of cases investigated: (29/64) 45%
- Proportion of dogs vaccinated: (0/52) 0%
- Cumulatively, 636 cases have been reported

Public Health Actions

- All cases were clinically managed and sent
- PEP Administered to 34 persons (53%): Bong, Grand Bassa, Grand Cape Mount, Grand Gedeh, Lofa, Maryland, Montserrado, Nimba, Rivercess, and Sinoe Counties

Geographical Distribution of Suspected Animal Bite By County, Epi week 1- 10, 2024

Legend

- Twenty-eight (28) dogs restrained and underwent 10-14 days' follow-up
 - All cases were investigated only by the human health surveillance team



- Zero cases were reported
- Cumulatively, twenty-five (25) drug susceptible Tuberculosis cases were reported
 - Twenty (20) cases diagnosed and placed on treatment
 - Five (5) cases diagnosed and not placed on treatment 0
 - Zero Multi-Drug Resistance/Rifampicin Resistance TB

Meningitis

- Two (2) cases were reported from Montserrado, and Grand Bassa Counties
 - All specimens were collected and pending testing
- Cumulatively, eight (8) suspected cases have been reported
 - Proportion of specimen collected (8/8) 100%
 - Proportion of specimen tested (6/8) 75% (5 negative, 1 positive) 0

<u>Mpox</u>

- Three (3) suspected cases were reported from Grand Kru (2), and Nimba (1) Counties
 - All specimens were collected: 2 tested negative and 1 pending testing
- Cumulatively, nineteen (19) suspected cases have been reported, 2 tested positive, 11 negative, 2 discarded, and 1 rejected

Unexplained cluster of deaths

Zero cases reported

Unexplained cluster of Health Events

Zero cases reported



Events of Public Health Importance

Maternal Mortality

- Two (2) deaths were reported from Montserrado and Lofa Counties
- Reported causes: PPH
- Reporting sites
 - Health facility (2/2) 100%
- Cumulatively, forty-eight (48) deaths reported
 - o Proportion of deaths reviewed (29/48) 60%

Neonatal Mortality

- Thirteen (13) deaths were reported from Montserrado (4), Maryland (4), Gbarpolu (2), Nimba (1), Sinoe (1), and Rivercess (1) Counties
- Reported causes: Birth asphyxia (8), Neonatal sepsis (3), and Prematurity (2)
 - o Reported sites:
 - Health facility (13/13) 100%
- Cumulatively, one hundred sixteen (116) deaths reported
 - o Proportion of deaths reviewed (55/116) 47%

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

- Twenty-eight (28) cases were reported from Sinoe (11), Lofa (4), Grand Cape Mount (3), Bong (3), River Gee (2), Grand Gedeh (2), Montserrado (2), and Gbarpolu (1) Counties
- All reported cases were classified as non-serious
- Related vaccine:
 - Penta (20/28) 71%
 - o Mealses (2/28) 7%
 - o Others (6/28) 21%
- © Cumulatively two hundred fifty-seven (257) events were reported and all classified as non-serious.

Neglected Tropical Diseases

YAWS

Zero cases were reported

Buruli Ulcer

Zero cases were reported

Border Surveillance Update

A total of 5597 travelers were recorded for the week with incoming travelers accounting for 46% (2,596/5,597)

Table 6: Border activity at the PoE for incoming and outgoing travelers, Liberia, Epi week 10

		Weekly			Total traverlers	Yellow	Card	Vaccinated against YF & Issued	Alerts detected/	Evidence of COVID-19 vaccination
Type of Ports	Point of Entry	total	Arrival	Departure	with YB	Book Damage	Replaced	book	Verified	card/certificate
	James S. Paynes	110	63	47	2	0	0	0	0	2
Airport	Robert Int'l Airport	4341	1940	2401	4294	2	33	7	0	4315
Seanort	Freeport of Monrovia	150	75	75	150	0	0	0	0	150
Зеарогс	Buchanan Port	86	43	43	86	0	0	0	0	86
	Bo Water Side	601	292	309	592	0	0	0	0	416
Ground	Ganta	142	74	68	85	2	2	12	0	50
Crossing	Yekepa	70	47	23	13	0	0	0	0	23
Type of Ports Airport Seaport Ground Crossing	Loguatuo	97	62	35	90	0	0	0	0	47
Total		5,597	2,596	3,001	5,312	4	35	19	0	5,089

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 disseminate weekly bulletin

County-level

Surveillance

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

Case Management

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

Appendi	ix y of Immediately Reportable	Die	:036	205	Cor	diti	ons	an	d E	vent	te h	ı Co	unt	W						
Summar	y or immediately keportable	פוס	eas	es,	Cor	larti	OHS	, all	u E	veiii	נט ט	CC	uni	. y						pe
			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 Expec	o. of Expected Health District			9	5	8	5	6	5	6	4	6	7	11	6	6	10	98		
	n District Reported		4	9	5	8	5	6	5	6	4	6	7	11	6	6	10	98		
Viral Hemorrhagic I Vaccine Preventable Disea	Acute Flaccid Paralysis (Suspected Polio)	A D	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	14 0	0
l əlq		A	1	1	0	2	0	5	24	1	0	7	4	13	2	5	0	65	403	50
enta	Measles	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prev	Neonatal Tetanus	Α	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
i.		D A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3 14	0
/acc	Yellow fever	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<u></u>		Α	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
hag	Dengue fever	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
norr	Ebola Virus Disease	Α	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hen	Ebola VII us Disease	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Viral	Lassa fever	A D	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	37 7	0
	ik	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
ıza-	COVID-19	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
luer	Influenza Like Illnesses	Α	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	7	30	0
<u> </u>		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dise	Acute Bloody Diarrhoea (Shigellosis)	A D	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	15 0	85 0	0
neal		A	0	1	0	1	0	0	0	0	1	2	0	0	0	0	1	6	72	0
Diarrheal Dise Influenza-Lik	Severe Acute Watery Diarrhoea (Cholera)	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
=	Maternal Mortality	D	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	2	48	·
Events of Public Health	-												'							
olic F	Neonatal Mortality	D	0	0	2	0	0	0	0	0	0	4	4	1	1	0	1	13	116	
 Fa	AEFI	A D	0	3	0	0	3	0	0	0	0	0	2	0	0	0	11	28	257 0	0
ts of		A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
:ven:	Unexplained Cluster of Health Events/Disease	D	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
ш		Α	0	0	0	0	0	0	2	0	0	0	0	1	0	0	0	3	19	2
Ses	Мрох	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seas	T. b. and a de	Α	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0
e Di	Tuberculosis	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Reportable Diseases	Human Exposure to Rabies (Suspected Human	Α	1	5	0	9	1	1	3	2	1	4	21	8	4	2	2	64	636	0
ode	. ,	D A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1 8	1
er R	Meningitis	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O	Unavalained Chister of deaths	Α	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
Ď F	Buruli Ulcer	Α	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ecte		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Neglected Tr	Yaws	A D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TO	TAL		12	3	14	0	8	0	14	0	18	0	27	0	10	17	217	1778	7
	10		,									.0		_ <u></u> _						'

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.