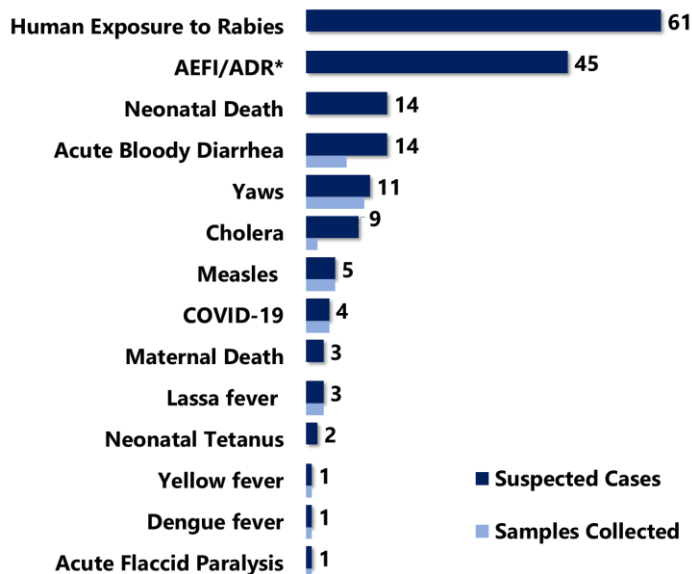


Country Population: 4,999,425 | Volume 16 Issue 47 | November 15 – 21, 2021 | Data Source: CSOs from 15 Counties and Laboratory

Highlights

Figure 1: Public Health Events Reported during this week



*Adverse Event Following Immunization/Adverse Drug Reaction

Keynotes and Events of Public Health Significance

- ♦ A total of **174** events of public health importance including **19** deaths were reported
- ♦ Completeness and timeliness of health facility reports were both **100% respectively**
- ♦ **Adverse Events Following Immunization** surveillance heightened at all levels
- ♦ **Ongoing Lassa fever** outbreaks in Bong, Nimba, and Grand Bassa Counties
- ♦ **Suspected Yaws outbreak** in Lofa County
- ♦ **Four new confirmed COVID-19** cases recorded from Montserrado and Nimba Counties

Reporting Coverage

Table 1: Health Facility Weekly DSR Reporting Coverage, Liberia, Epi week 47, 2021

County	Expected Report from Health Facility	Reports Received	Received on Time	Completeness (%)	Timeliness (%)
Bomi	26	26	26	100	100
Bong	57	57	57	100	100
Gbarpolu	15	15	15	100	100
Grand Bassa	36	36	36	100	100
Grand Cape Mount	34	34	34	100	100
Grand Gedeh	24	24	24	100	100
Grand Kru	19	19	19	100	100
Lofa	61	61	61	100	100
Margibi	55	55	55	100	100
Maryland	27	27	27	100	100
Montserrado	367	367	367	100	100
Nimba	87	87	87	100	100
Rivercess	20	20	20	100	100
River Gee	20	20	20	100	100
Sinoe	37	37	37	100	100
Liberia	885	885	885	100	100

885(100%)
Health facilities reported IDSR data

93(100%)
Health districts reported IDSR data

885(100%)
Health facilities reported timely IDSR data

- ♦ The national target for weekly IDSR reporting is 80%. Health facility timeliness is monitored at health district level
- ♦ All counties submitted weekly IDSR reports to the national level on time **except Bong County**.

Legend: ≥80 <80

Vaccine Preventable Diseases

Measles

Five (5) suspected cases were reported from Grand Gedeh (2), Grand Bassa (1), Bong (1) and Nimba (1) Counties

- Specimens were collected and pending laboratory testing

Vaccination status among suspected cases

- Vaccinated: 4 (80%)
- Not Vaccinated: 0 (0%)
- Unknown: 1 (20%)

Vaccination status among confirmed cases

- Vaccinated: 0 (0%)
- Not Vaccinated: 0 (0%)
- Unknown: 0 (0%)

Age distribution among suspected cases

- ≥ 5 years: 3 (60%)
- < 5 years: 2 (40%)

Cumulatively, since Epi week one, four hundred forty five (445) cases have been reported and classified as follows (see Figure 3):

Proportion of samples tested: 88% (303/346)

- Laboratory confirmed: 57, clinically compatible: 131, epidemiologically linked: 10, non-measles discarded cases: 247 (negative laboratory test)
- One hundred forty one (141) non-measles discarded cases were tested negative for rubella and eleven were positive representing 9% of the total tested for rubella

Figure 2: Epidemiological classification of Measles cases by Geographical Distribution (Health Districts), Liberia, Epi week 1 – 47, 2021

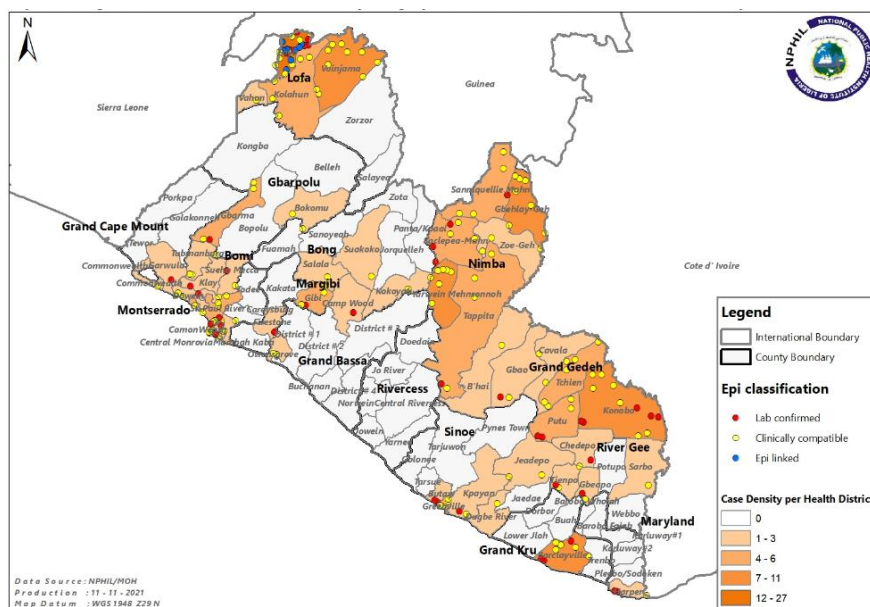
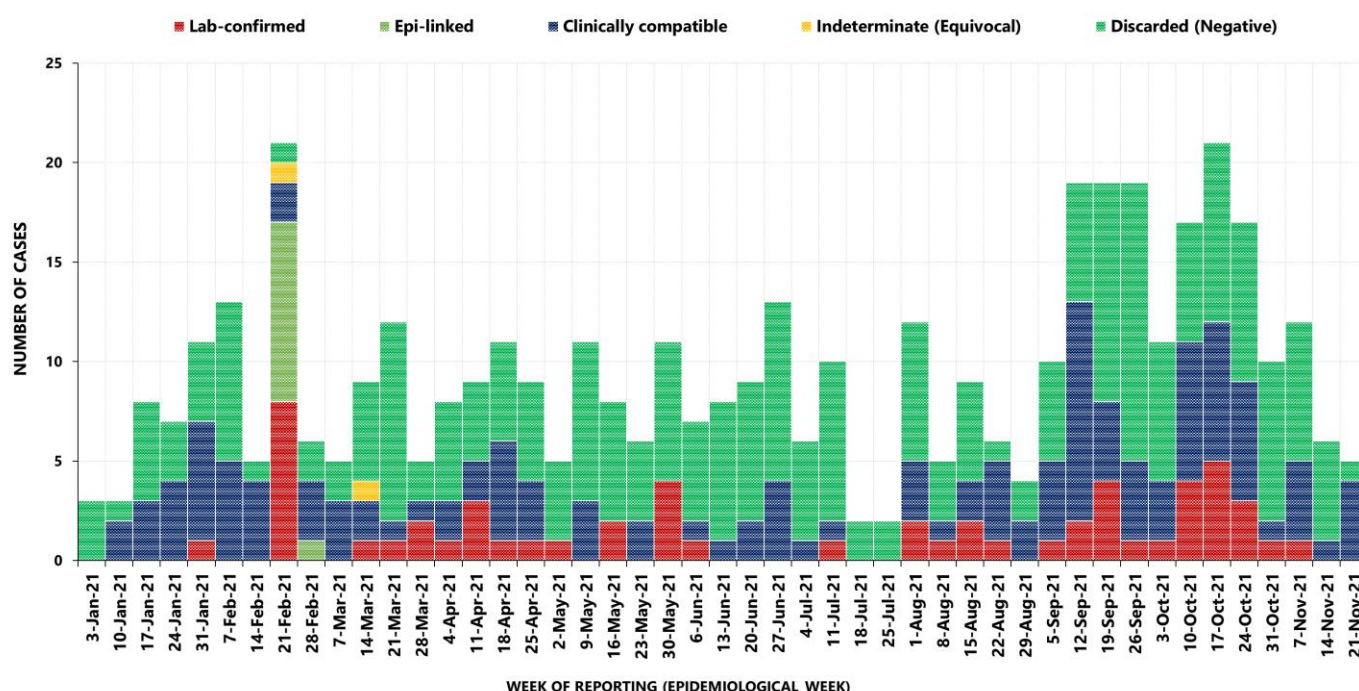


Figure 3: Epi-classification of Measles Cases by Reporting Weeks, Liberia, Epi-week 1 - 47, 2021



Acute Flaccid Paralysis (AFP)

- One (1) case was reported from Rivercess County
 - Specimen was collected, package and shipped for laboratory testing
- Cumulatively, since Epi week one, one hundred thirty four (134) AFP cases have been reported
 - Of the total cases, 125 specimens have reached the national level and onward shipment process completed (see Table 2) with 108 tested and result available
- As of this week, non-polio AFP rate is at 6.6 per 100,000 population in less than 15 years of age

Table 2: Non-polio Acute Flaccid Paralysis Rate per 100,000 <15yrs, Liberia, Epi week 1 - 47, 2021

County	< 15 years pop	# of AFP Cases Reported	# of Cases with Lab Result	Non-Polio AFP Rate	# of cases <14 days specimen collected	% of stool <14days	# of NPENTs	% of NPENT
Bomi	49595	3	3	6.7	3	100%	1	33.3%
Bong	204820	19	15	10.3	19	100%	7	36.8%
Gbarpolu	49162	7	6	15.8	7	100%	2	28.6%
Grand Bassa	130703	7	7	5.9	7	100%	1	14.3%
Grand Cape Mount	74927	2	2	3.0	2	100%	0	0.0%
Grand Gedeh	73848	11	9	16.5	11	100%	2	18.2%
Grand Kru	34151	4	4	13.0	4	100%	0	0.0%
Lofa	162671	11	10	7.5	11	100%	1	9.1%
Margibi	123772	7	6	6.3	7	100%	0	0.0%
Maryland	80145	1	1	1.4	1	100%	0	0.0%
Montserrado	681600	18	17	2.9	18	100%	4	22.2%
Nimba	272406	26	21	10.6	26	100%	4	15.4%
Rivercess	42160	4	2	10.5	3	75%	1	25.0%
River Gee	39381	2	2	5.6	2	100%	0	0.0%
Sinoe	60373	3	3	5.5	3	100%	1	33.3%
Liberia	2079713	125	108	6.6	124	99%	24	19.2%
Non-Polio AFP Rate		<2		<80%		Non-Polio Enterovirus		<10%
		≥2		≥80%				≥10%
		Stool adequacy						Silent

Note: Further investigation of 9 AFP cases of the cumulative cases is ongoing to ascertain the status of these cases.

Neonatal Tetanus

- Two cases were reported from Grand Bassa County
- Cumulatively, since Epi week one, forty (40) clinically diagnosed cases have been reported

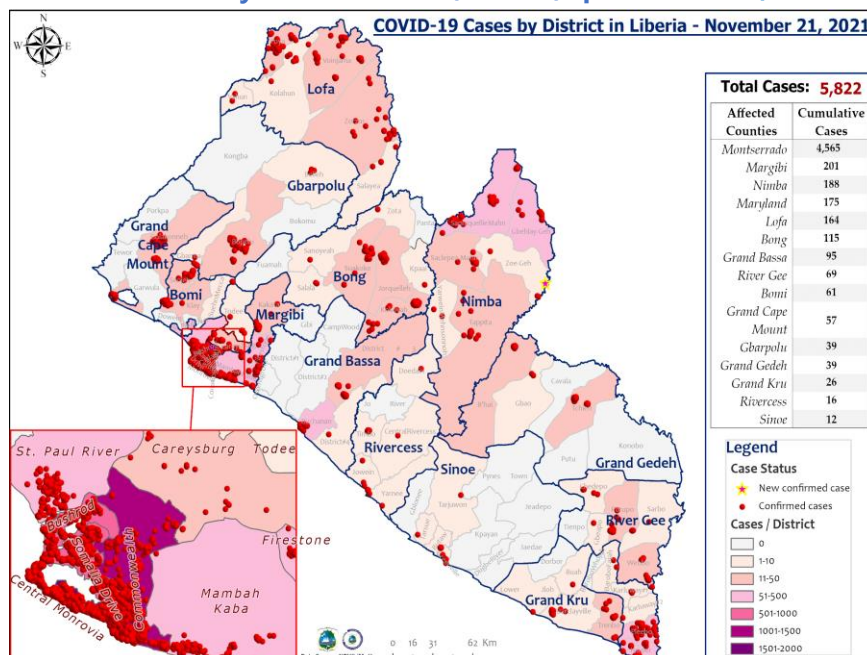
Influenza-Like Illnesses

Coronavirus Disease (COVID-19)

Outbreak

- Four new confirmed cases were reported from Nimba (3) and Montserrado (1) Counties
 - Sixteen contacts are being followed up in Nimba County
- Since Epi week one, a total of three thousand seven hundred seventy-six (3,776) confirmed cases have been reported
- Cumulatively, five thousand eight hundred twenty two (5,822) confirmed cases recorded including 287 deaths with 15,268 contacts

Figure 3: Geographical Distribution of Laboratory Confirmed COVID-19 Cases by Health Districts, Liberia, Epi week 1 – 47, 2021



Public Health Actions

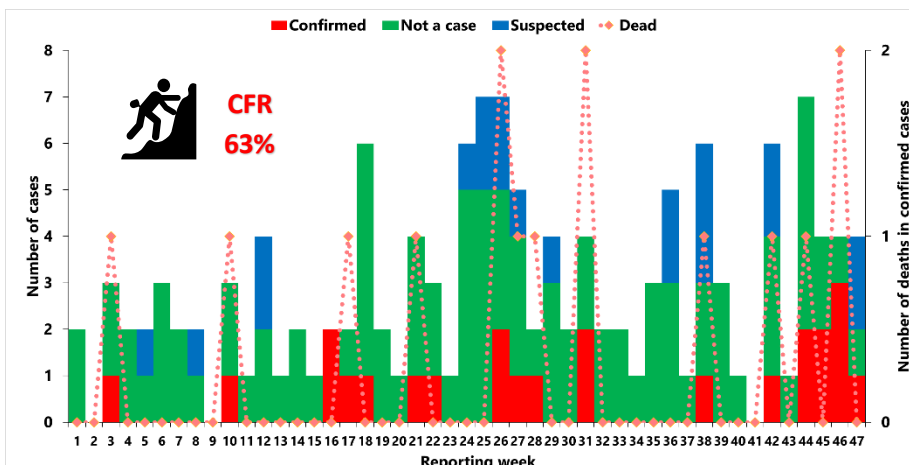
- Daily IMS coordination meeting on-going
- Surveillance activities including active case search, contact tracing and case investigation on-going in affected counties using WHO interim guidelines
- Reinforcing hand washing in all public areas (markets, health facilities, public offices, checkpoints etc.)
- Case management ongoing for confirmed cases
- Compulsory testing among outgoing and incoming travelers ongoing

Viral Hemorrhagic Diseases

Lassa fever

- ☛ Three (3) suspected cases were reported from Maryland (1), Bong (1) and Grand Bassa (1) Counties
 - Specimens were collected with one positive and two pending laboratory testing
- ☛ Cumulatively, since Epi week one, one hundred thirty-six (136) suspected cases have been reported including twenty-eight (28) deaths
 - 24 positive and 92 negatives
 - Proportion of suspected cases with sample collected 96% (131/136)
 - Proportion of suspected cases with sample tested 88% (113/131)

Figure 4: Epi-classification of Lassa fever cases and confirmed deaths by reporting weeks, Liberia, Epi-week 1 - 47, 2021



Note: Six suspected cases have been delisted due to lack of specimen collection: Bong (5) and Grand Bassa (1) Counties

Outbreak

Bong: Jorquelleh & Suakoko Districts

A 16-year-old male resident of Golf farm community, Suakoko District, with date of symptom onset October 31, 2021. He initiated self-treatment and was later taken to the Phebe Hospital on November 4, 2021, with symptoms fever and body pains. He was admitted, diagnosed, and treated for malaria and later placed on Ribavirin on November 4, 2021, and his specimen was collected and sent to the National Reference Laboratory. On November 6, 2021, his results came back positive. Case expired on November 9, 2021, and safe and dignified burial was conducted by CHT. A total of 5 contacts were line listed completed follow-up November 24, 2021.

A 76-year-old male resident of Phebe Airstrip community, Suakoko District, with symptoms fever, weakness, and body pains and onset November 4, 2021, was admitted at the ER of Phebe Hospital on November 8, 2021, where he was diagnosed, and treated for malaria. Later that day he was placed on Ribavirin treatment.

On that same day, specimen was collected and sent to the National Reference Laboratory with, positive result received November 9, 2021. Case was later transferred from ER to isolation unit where he expired on November 9, 2021. Safe and dignified burial was conducted by the CHT. A total of 13 contacts including one health worker were line listed. The contacts have gone 16 days of follow-up.

Nimba: Sanniquelleh-Mah District

On November 7, 2021, a 32-years old OB, resident of Gleyilue community, Sanniquelleh Mah District, underwent a surgery due to obstructed labor at the E & J hospital. on the 8th of November 2021 the next day while admitted the case presented with increase fever > 38.7^oC, profuse bleeding from IV sites and other orifices at which specimen was collected on the 8th and sent for testing. The case later expired on the 9th of November 2021 in the isolation unit. No ribavirin was administered. On November 11, 2021, the county received positive result. Fifteen contacts were line listed (10-HW & 5 family member) Contacts have gone 17 days of follow-up and the baby is alive and being monitored

On October 27, 2021 a 19-year-old female resident of Royal community, Ganta city, Sanniquelleh Mah district, reported at the E & J Hospital with symptom stomach pains, headache, vomiting, generalized body pains and weakness. The case was admitted on November 2, 2021 with Initial diagnosis of chronic UTIs and Typhoid fever. One week later while admitted, she started presenting with increased fever > 38.6^oC, vomiting, diarrhea, and joint pains where she was suspected of Lassa fever and specimen was collected on the 13th of November 2021 and sent to NRL for testing. The patient was isolated and ribavirin was initiated November 17, 2021. On November 18, 2021 positive lab result was received by the County Health Team. Fourteen (14) contacts have been generated (10 HW & 4 family members) contacts have gone 13 days of monitoring and has been discharged

Grand Bassa: District #3A (new)

A 15-year-old female resident of Christian community, District #3A, with date of symptom onset November 9, 2021. The case was seen and admitted at the LAC Hospital on November 19, 2021, with symptoms of high fever (>38.5^oC), eye turning, coughing and weakness. Patient was tested negative for Malaria on the date of admission. Based on the prevailing Lassa fever outbreak in the

district and the case was suspected of Lassa fever; and immediately isolated and blood specimen collected and sent to the National Reference lab. A positive result was received on November 23, 2021. Ribavirin was initiated on November 19, 2021. The case generated four contacts and have gone 6 days follow-up

Public Health Actions

- ☞ Case management ongoing for the confirmed case in isolation
- ☞ Continue to air LF prevention and control message in affected and surrounding districts

Yellow fever

- ☞ One (1) suspected case reported from Gbarpolu County
 - Specimen was collected and pending laboratory testing
- ☞ Cumulatively, since Epi week one, one hundred (100) suspected cases have been reported with 77 negative, 16 pending testing, 1 positive and 6 specimens were not collected
 - Proportion of suspected cases with sample collected 95% (95/100) and with sample tested 81% (78/95)

Note: Further investigation for the 16 cases pending laboratory testing is ongoing to ascertain the status of these cases.

Monkey pox

- ☞ Zero suspected cases were reported
- ☞ Cumulatively since Epi week one, six (6) suspected cases reported

Ebola/Marburg Virus Disease

- ☞ Zero alert was reported
- ☞ Cumulatively since Epi week one, eighty-two (82) alerts including 12 deaths have been reported

Dengue fever

- ☞ One suspected case was reported from Montserrado County
 - Specimen was collected and pending laboratory testing
- ☞ Cumulatively since Epi week one, one (1) suspected case has been reported

Diarrheal Diseases

Acute Bloody Diarrhea (Suspected Shigellosis)

- ☞ Fourteen (14) cases were reported from Montserrado (3), Sinoe (2), Lofa (2), Margibi (2), Grand Kru (1), Rivercess (1), Gbarpolu (1), Nimba (1) and Grand Gedeh (1) Counties
 - Eight specimens were collected and pending laboratory testing
- ☞ Cumulatively, since Epi week one, four hundred nineteen (419) suspected shigellosis cases have been reported with 198 specimens collected: 77 tested negative

Severe Acute Watery Diarrhea (Suspected Cholera)

- ☞ Nine (9) suspected cases were reported from Nimba (4), Grand Kru (2), Maryland (1), Bomi (1) and Sinoe (1) Counties
 - Two specimens were collected and pending laboratory testing
- ☞ Cumulatively, since Epi week one, two hundred eighty-two (282) suspected cholera cases have been reported with 28 tested negative

Other Reportable Diseases

Human Exposure to Rabies (Suspected Human Rabies)

- ☞ Sixty-one (61) animal bite cases were reported from Nimba (9), Bong (8), Montserrado (7), Grand Bassa (7), Maryland (6), Grand Gedeh (6), Lofa (6), Margibi (5), Grand Kru (3), Grand Cape Mount (2), Sinoe (1), and River Gee (1) Counties
- ☞ Cumulatively, since Epi week one, one thousand six hundred nineteen (1,619) animal bite cases have been reported

Public Health Actions

- ☞ Prophylaxis was administered to fifteen persons

Meningitis

- Zero suspected case were reported
- Cumulatively, since Epi week one, thirty-two (32) suspected cases have been reported

Yaws

- Eleven (11) suspected cases were reported Lofa County
 - Ten specimens were collected and pending laboratory testing
- Cumulatively, since Epi week one, thirty-four (34) suspected cases have been reported

Outbreak (Suspected)

Lofa: Foya District

On October 28, 2021, the Ministry of Health (MoH) and the National Public Health Institute (NPHIL) was alerted by the Lofa County Health Team (CHT) of an unusual increment in the number of suspected Yaws cases occurring in Foya health district.

On the same day, the Health Facility Surveillance Focal Person (HFSFP) of Foya Borma Hospital reported to the Foya District Health Team (DHT) of suspected cases of Yaws at Kpandilloe Junction, a catchment community of the Foya Borma Hospital.

An onsite investigation conducted by the DHT and the CHT recorded a total of 50 cases from five communities including Barsor, Sakpawwalay, Kpandilloe Old Town, Karpie and Kilmballoe communities. The investigation findings revealed that the age range of those affected is from 2 to 36 years with male accounting for 81% all recorded cases. The main source of the suspected outbreak is yet to be identified and over 10 samples were collected by the DHT for laboratory testing at the National Reference Laboratory.

Public Health Actions

- The MOH/NPHIL have alerted WHO County Office and requested for technical and logistical support to respond to the suspected outbreak
- Request is made for RDT and DPP
- Request is made for azithromycin for case management and wound dressing
- About 6000 tablets of azithromycin donated by WHO to MOH/NPHIL has been prepositioned for response
- NTDs Program has since provided posters on yaws and other NTDs for awareness in affected communities
- Guidelines on prevention and control of yaws has also been provided to the CHT

Events of Public Health Importance

Maternal Mortality

- Three (3) deaths were reported from Rivercess, Grand Bassa and Montserrado Counties
- Causes of death: sepsis, eclampsia and postpartum hemorrhage
- Two deaths occurred at the health facility and one in the community
- Cumulatively, since Epi week one, two hundred thirteen (213) deaths have been reported with the Maternal Mortality Ratio of 119 deaths by 100,000 livebirths (see Table 3)

Note: The estimated maternal mortality ratio for 2019-20 LDHS is 742 maternal deaths per 100,000 live births. 4.3% of the overall population

Table 3: Cumulative Maternal Deaths Reported and Annualized Maternal Mortality Ratio by Counties, Liberia, Epi week 1 - 47, 2021

Reporting Counties	Current Week	Cumulative Maternal Death	% of Cumulative Maternal Death	Annualized Maternal Mortality Ratio
Bomi	0	5	2	117
Bong	0	19	9	107
Gbarpolu	0	4	2	94
Grand Bassa	1	10	6	106
Grand Cape Mount	0	1	0	15
Grand Gedeh	0	3	1	47
Grand Kru	0	5	2	170
Lofa	0	13	6	93
Margibi	0	9	4	84
Maryland	0	7	3	101
Montserrado	1	80	39	143
Nimba	0	38	18	166
Rivercess	1	3	1	82
River Gee	0	1	0	29
Sinoe	0	8	4	153
Liberia	3	213	100	119

Neonatal Mortality

- Fourteen (14) deaths were reported from Montserrado (8), Bong (3), Grand Kru (1), Grand Bassa (1), Nimba (1) Counties
- Causes of deaths: sepsis (9) and birth asphyxia (5)
- Thirteen deaths occurred at the health facility and in the community
- Cumulatively, since Epi week one, six hundred eighty-nine (689) deaths have been reported

Unexplained Death

- Zero deaths were reported
- Cumulatively, since Epi week one, one (1) death has been reported

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

- Forty-five (45) cases were reported from Grand Kru (25) Montserrado (9), Bomi (6), Sinoe (2), Maryland (2), and Lofa (1) Counties
- Cumulatively, since Epi week one, six hundred fifty-two (652) events have been reported
 - 8% (45) of the events related to nOPV2
 - 3% (15) of the events related to TCV
 - 86% (565) of the events related to COVID-19
 - 1% (12) of the events related to ADR
 - 2% (14) of the events related to others (BCG, PENTA, Measles, Hepatitis B)

Public Health Actions

- All events were investigated, categorized as *non-serious AEFI and symptomatically treated*
- Active case search and community engagement ongoing
- Supportive supervision is ongoing in Montserrado County

Cross Border Surveillance Update

- A total of 8,960 travelers recorded for the week with incoming travelers accounting for 53% and outgoing travelers 47%
- Zero traveler was reactive for COVID-19

Table 4: Cross border activity at the PoE for Incoming and Outgoing Travelers, Liberia, Epi week 47, 2021

Type of Ports	Point of Entry	Weekly total	Arrival	Departure	Yellow Book Issued	Yellow Book Damage	Travelers Vaccinated	Alerts Verified	COVID-19 Reactive
Airport	James S. Paynes	104	45	59	0	0	0	0	0
	Robert Int'l Airport	2705	1370	1335	28	18	10	0	0
Seaport	Freeport of Monrovia	188	94	94	0	0	0	0	0
	Harper	0	0	0	0	0	0	0	0
	Buchanan Port	66	33	33	0	0	0	0	0
Land Crossing	Bo Water Side	667	373	294	20	20	0	0	0
	Ganta	209	98	111	23	23	0	0	0
	Yekepa	102	43	59	0	0	0	0	0
	Loguatu	98	28	70	0	0	0	0	0
	Yeala	1265	605	660	0	0	0	0	0
	Kpasagizia	405	173	232	0	0	0	0	0
	Safedu	401	286	115	0	0	0	0	0
	Konadu	439	335	104	0	0	0	0	0
	Bolinquidu	348	235	113	0	0	0	0	0
	Lawalazu	454	247	207	0	0	0	0	0
	Foya Tengia	725	345	380	0	0	0	0	0
	Sorlumba	222	122	100	0	0	0	0	0
	Mendicoma	352	194	158	0	0	0	0	0
	Worsonga	210	100	110	0	0	0	0	0
Total travelers		8,960	4,726	4,234	71	61	10	0	0

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



Liberia IDSR Epidemiology Bulletin

2021 Epi-week 47 (November 15 – 21, 2021)



Public Health Measures

National level

- ✚ Providing technical, logistical, and financial support to counties
 - Mentorship on proper use of the standard case definition remotely
 - Mentorship on case detection and reporting remotely
 - Mentorship on specimen collection and packaging remotely
 - Mentorship on Infectious Prevention and Control practices including the use of appropriate PPE
 - Publication of situational reports and conduct of Intra-Action Review
 - Provision of financial assistance to enhance operational activities, medicines and medical supplies
- ✚ Heighten surveillance in affected and surrounding communities

County level

- ✚ **Surveillance**
 - Publication of situational reports
 - Active case search ongoing in affected and surrounding communities
 - Infectious Prevention and Control practices including distribution of appropriate PPE
- ✚ **Case Management**
 - Management of case in isolation is ongoing
 - Ensure the appropriate medical protocol in place
- ✚ **Risk Communication and Community Engagement**
 - Airing of preventive messages for the immediately reportable diseases, conditions, and events

Appendix

Summary of Immediately Reportable Diseases, Conditions, and Events by County

Counties			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	0	0	0	0	0	0	0	0	0	1	0	0	1	134	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Measles	A	0	1	0	1	0	2	0	0	0	0	0	1	0	0	0	5	445	57
		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	2	0	0	0	0	0	0	0	0	0	0	0	2	40	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0
	Yellow fever	A	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	100	1
		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	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	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	70	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0
	Lassa fever	A	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	3	108	9
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	15
Influenza-Like Illnesses	COVID-19	A	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	4	3776	3776
		D	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	1	0	0	1	1	2	2	0	3	1	1	0	2	14	419	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	0	0	0	0	0	2	0	0	1	0	4	0	0	1	9	282	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Events of Public Health Importance	Maternal Mortality	D	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0	3	213	
	Neonatal Mortality	D	0	3	0	1	0	0	1	0	0	0	8	1	0	0	0	14	689	
	Adverse Events Following Immunization (AEFI)	A	6	0	0	0	0	0	25	1	0	2	9	0	0	0	2	45	652	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	Monkeypox	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	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 Rabies)	A	0	8	0	7	2	6	3	6	5	6	7	9	0	1	1	61	1619	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	32	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	11	0	0	0	0	0	0	0	11	11	0
		D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL			7	13	2	13	2	9	32	20	7	10	30	19	3	1	6	174	8648	3858

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%). Time requirement for weekly IDSR reports:
 - Health facility - required on or before 5:00pm every Saturday to the district level
 - Health district - required on or before 5:00pm every Sunday to the county level
 - County - required on or before 5:00pm 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 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 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.