



WEEK 10

20  24



GOVERNMENT OF SIERRA LEONE
MINISTRY OF HEALTH
NATIONAL PUBLIC HEALTH AGENCY

NATIONAL WEEKLY EPIDEMIOLOGICAL BULLETIN

WEEK 09: 4th — 10th Mar, 2024



KEY SURVEILLANCE PRIORITY DISEASE AND 117 CALL CENTRE HIGHLIGHTS FOR THE WEEK

Disease specific report Highlights

- **Acute Flaccid Paralysis (AFP):** Four (4) cases of AFP were reported this week. The cases were under five years of age from Kono (2), Kailahun, and WAR (1) each per districts. The cases were investigated and samples sent to CPHRL for confirmatory shipment
- **Measles:** Eleven (11) cases of measles were reported this week. Of the cases eight were under five and three were above five years of age from Port Loko (9), Kailahun (2). The cases were investigated and samples sent to CPHRL for confirmation
- **Animal Bite (Dog):** Thirty-six (36) Dog bite cases were reported this week. All of the cases were above five years of age. The highest number of cases were from Kono (13), Bombali (6), Tonkolili (5), Pujehun (3) districts
- **Animal Bite (Snake):** Ten (10) Snake bite cases reported this week. All of the cases were above five years. The highest number of cases were from Kailahun (3), Bombali, Kono and Tonkolili (2) each per district
- **Maternal death:** Eight (8) maternal deaths were reported from WAU (5), while Kailahun, Karene and Koinadugu (1) each per district
- **Yellow Fever :**Seven (7) suspected cases of Yellow Fever were reported this week from WAR (3), Bonthe, Kambia, Kono and WAU (1) each per district. All of the cases were above five years. The cases were investigated and samples sent to CPHRL for confirmation
- **Acute Viral Hemorrhagic Fever (AVHF):** Twelve (12) cases of suspected AVHF with two death were reported this week. The deaths were from Kenema district. Of the cases three were under five and nine were above five years. The cases were investigated and samples sent to CPHRL for confirmation and all tested negative for AVHF.
- **Bacterial Meningitis:** Four (4) cases of suspected Meningitis with one death were reported this week. The death was reported from WAU. All aged under five years of age. No sample was collected for laboratory confirmation.

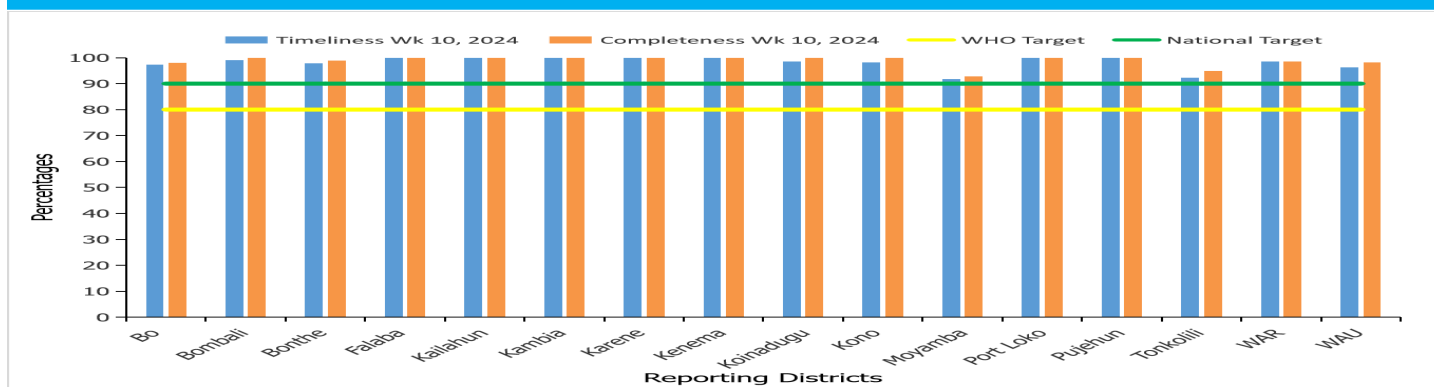
117 Call Centre Highlights

- **Bloody Diarrhea:** One call related to Bloody Diarrhea was made from Kailahun district [Age:>5 yrs.]
- **Measles:** One call related to suspected Measles was made this week from kailahun district [Age:<5 yrs.]
- **Perinatal death:** Six calls related to perinatal deaths were reported this week, of these cases;
 - 5 stillbirths (2 Bo, 1 each for Bonthe, Moyamba, & W/ Rural)
 - 1 Neonatal death (Bonthe)
- **Maternal Death:** two calls related to maternal deaths were made this week from Koinadugu & Moyamba districts

117 Call Summary for epi week 10, 2024

- A total of 9,686 calls were received and responded to, out of which 9,566 (98.8%) were prank calls and 120 (1.2%) were signals
- Out of the total signals received:
 - Death 105 (87.5%)
 - Health Emergencies 5 (4.2%): snake bite 2, dog bite 1, RTA 1, & request for ambulatory service 1
 - Sick 7 (5.8%)
 - Health Information 3 (2.5%): rabies inquiries 1 & rumour 2

Health Facility Timeliness & Completeness of Weekly report by district, (epi week 10, 2024)

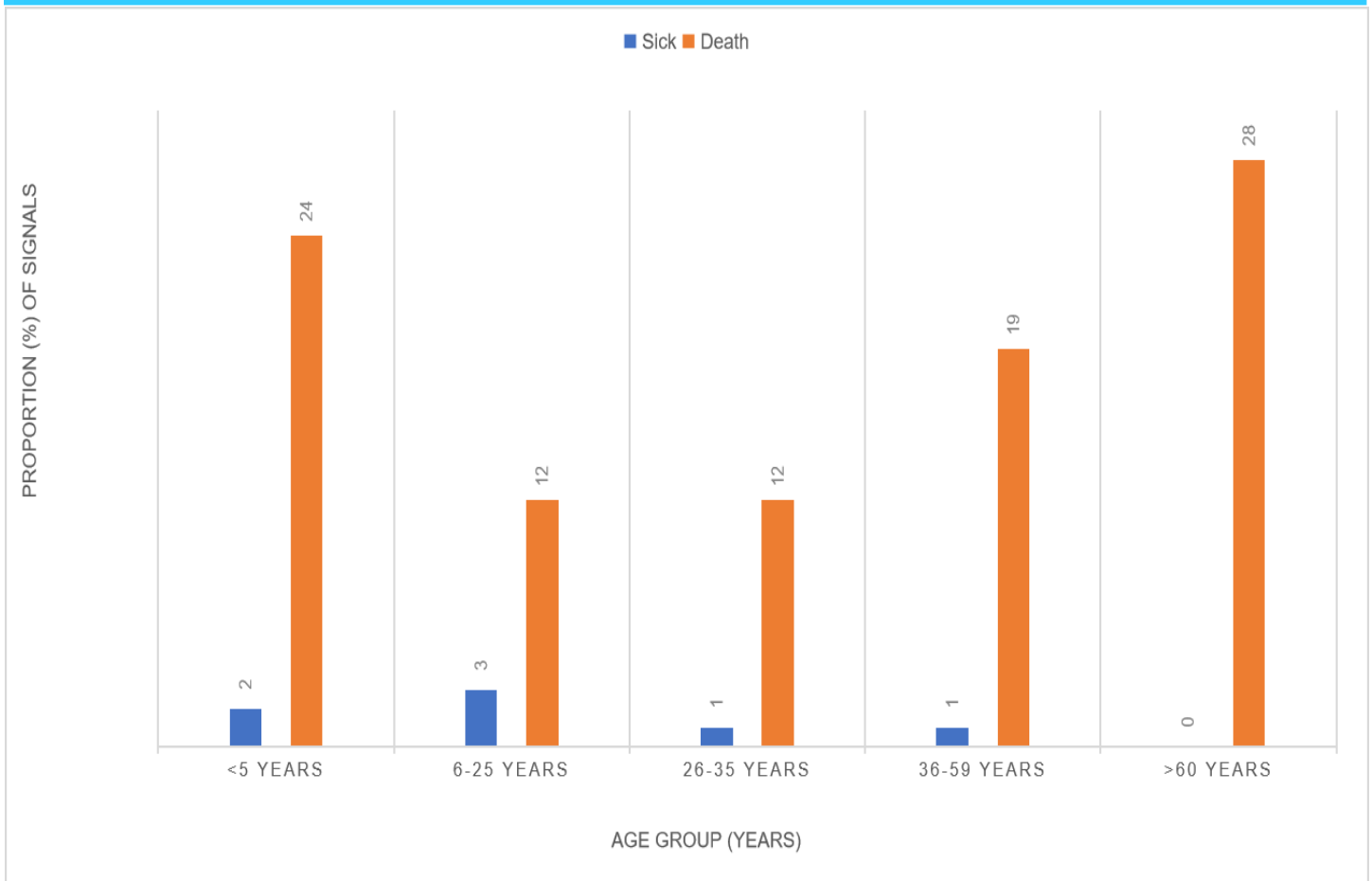


For Week 10 of 2024, 16 out of 16 districts achieved both the WHO and national targets for timeliness and completeness

Updates from the samples of suspected cases reported for week 8

- **Acute Viral Haemorrhagic Fever (AVHF):** Twelve Samples of suspected AVHF were sent to the Lab. this week. The samples were collected and sent to Kenema regional Lab. All of the samples however tested Negative AVHFs
- **Measles:** Eleven samples of suspected measles were sent to the Lab. From Port Loko, Karene and Pujehun districts. The turn around time for measles sample is seven days
- **Yellow fever:** Seven samples of suspected yellow fever were sent to the Lab. For confirmation. The TAT for yellow fever is seven days
- **Acute Flaccid Paralysis (AFP):** Four samples of AFP were sent to the Lab. The samples were sent to CPHRL for confirmatory shipment. The TAT for

Sick and death signals by age groups, epi week 10, 2024 (n=7) (n=105)



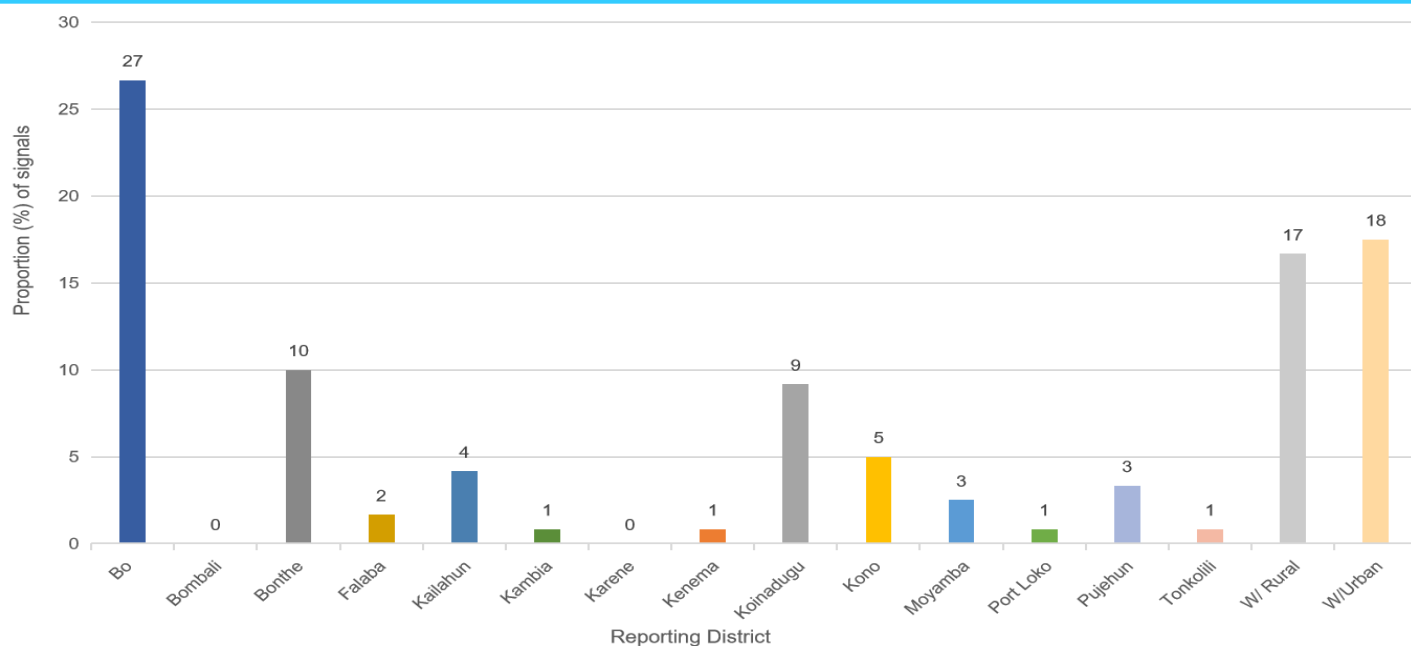
For week ten of 2024, a total of 112 call signals for sick and death were made of which 115 were related to deaths and 7 were for sick. The age group of < 60 had a higher proportion of death reported and the least were 6-25 and 26-35years. For the sick cases the age group of 6-25 reported the highest

Submission of report by health facility via phone call, SMS, paper form or Mobile internet (epi week 10, 2024)

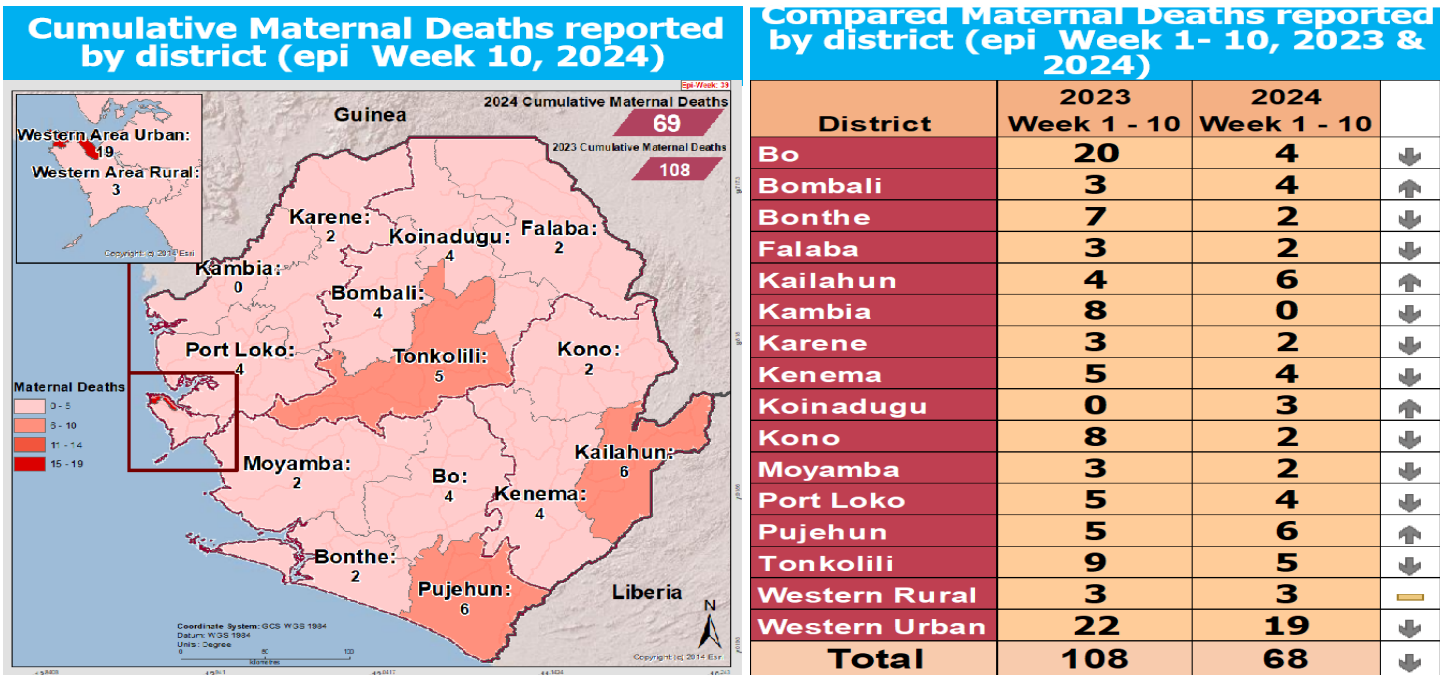
District	#s of Expected HFs	Call	Paper forms	SMS	Mobile SMS	Mobile internet	Mobile Total	Total Submission	% Mobile Submission
Bo	150	1	0	81	7	58	65	147	44
Bombali	97	0	0	1	7	89	96	97	99
Bonthe	89	0	2	15	4	67	71	88	81
Falaba	50	24	0	0	8	16	24	48	50
Kailahun	91	0	0	0	3	88	91	91	100
Kambia	74	0	0	0	6	68	74	74	100
Karene	62	0	0	14	8	40	48	62	77
Kenema	141	0	0	45	11	85	96	141	68
Koinadugu	67	0	0	54	4	8	12	66	18
Kono	114	0	0	74	2	37	39	113	35
Moyamba	110	51	0	0	10	41	51	102	50
Port Loko	118	0	0	0	55	63	118	118	100
Pujehun	104	0	0	1	4	99	103	104	99
Tonkolili	117	43	0	0	12	56	68	111	61
WAR	72	5	1	0	4	62	66	72	92
WAU	108	0	0	0	8	98	106	106	100
Cumulative	1564	124	3	285	153	975	1128	1540	73
KEY:		90 - 100		75 - 89		0 - 74			

For ten of 2024, a total of 1,564 facilities reported countrywide using various means of reporting. Mobile SMS and mobile internet were used exclusively by three districts (Kailahun, Kambia, WAU and Port Loko). Only one district (WAR) used paper based reporting of which, 1/72 (1.3%) of the facilities reported using paper. The country has moved from paper based reporting to electronic since 2018

Call signals by reporting districts epi week 10, 2024 (N=120)



For week ten of 2024, greater proportion of call signals were from Bo district closely followed by WAU district, then WAR district. 2/16 (12.5%) of districts made zero call.



In comparison with week ten of 2023, week ten 2024 has report less maternal deaths for the same period. eight deaths were reported this week from four districts. One district (Kambia) has not reported any maternal death in the past ten weeks. Total maternal deaths reported since the start of the year is sixty-eight (68).

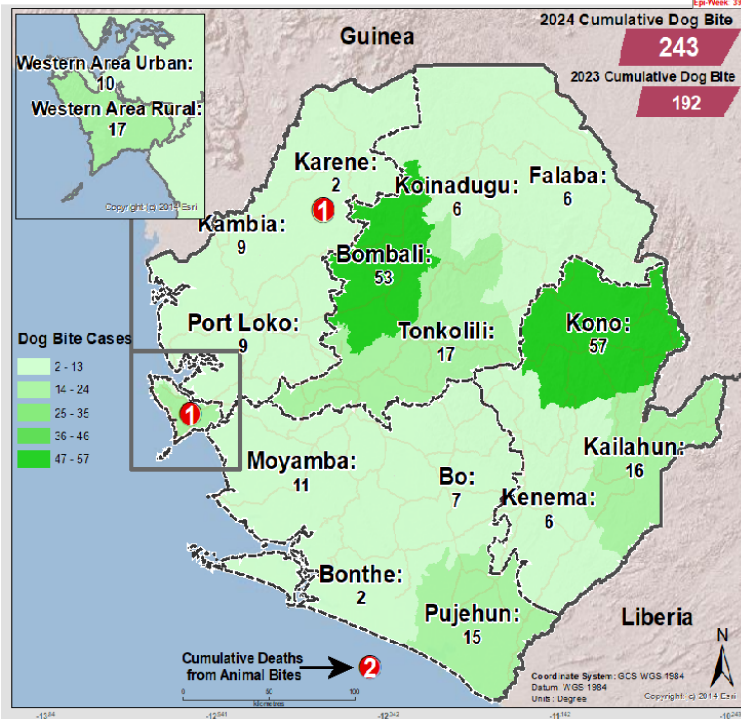
Maternal Deaths reported by district and Place of Occurrence (epi Week 10, 2024)

District	Health Facility	No. of Death
WUA	PCM. Hospital	5
Koinadugu	Kabala Gov. hospital	1
Karene	Kamakwe Wesleyan Hospital	1
Kailahun	Kailahun Gov. Hospital	1
Total		8

In week ten of 2024, a total of eight maternal deaths were reported from four districts. All reported maternal deaths were from hospitals

Cumulative Dog Bite cases reported by district (epi Week 10, 2024)

Compared Dog Bite cases reported by district (epi Week 1- 10, 2023 & 2024)

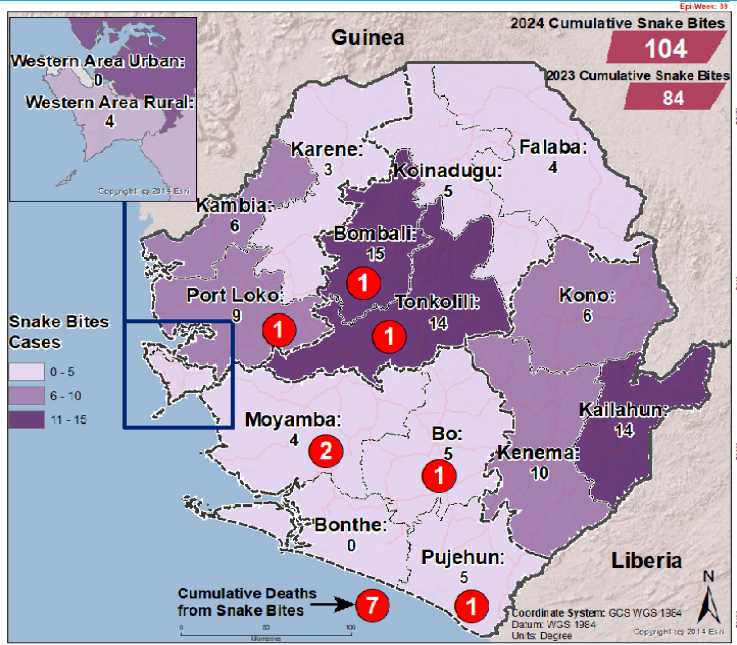


District	2023 Week 1 - 10	2024 Week 1 - 10	
Bo	1	7	↑
Bombali	30	53	↑
Bonthe	1	2	↑
Falaba	5	6	↑
Kailahun	22	16	↓
Kambia	9	9	—
Karene	4	2	↓
Kenema	11	6	↓
Koinadugu	2	6	↑
Kono	49	57	↑
Moyamba	8	11	↑
Port Loko	21	9	↓
Pujehun	11	15	↑
Tonkolili	0	17	↑
Western Rural	7	17	↑
Western Urban	11	10	↓
Total	192	243	↑

Week ten of 2024 has reported more dog bite cases including two deaths related to dog bite compared to 2023 same period. The highest number of cases were reported from Kono, Bombali, Kailahun and Tonkolili districts and the deaths were from WAR and Karene districts. Total reported cases since the start of the year is

Cumulative Snake Bite cases reported by district, (epi Week 10, 2024)

Compared Snake Bite cases reported by district (epi Week 1- 10, 2023 & 2024)



District	2023 Week 1 - 10	2024 Week 1 - 10	
Bo	2	5	↑
Bombali	12	15	↑
Bonthe	0	0	—
Falaba	6	4	↓
Kailahun	8	14	↑
Kambia	3	6	↑
Karene	5	3	↓
Kenema	7	10	↑
Koinadugu	6	5	↓
Kono	13	6	↓
Moyamba	4	4	—
Port Loko	10	9	↓
Pujehun	7	5	↓
Tonkolili	0	14	↑
Western Rural	1	4	↑
Western Urban	0	0	—
Total	84	104	↑

Week ten of 2024 reported more snake bite cases compared to week ten of 2023 and with seven deaths related to snake bite. The deaths are from Pujehun, Port Loko, Bo, Tonkolili, Moyamba and Bombali districts. The highest number of cases were reported from Bombali, Tonkolili, Bo, and Kenema districts. Total reported cases since the start of the year is 104.

NATIONAL WEEKLY EPIDEMIOLOGICAL BULLETIN PRODUCTION TEAM



Editor: Charles Keimbe



Publisher: Mr. Harold Thomas

Data Analyst: Mr. Samba Kamara