



WEEK 07

20  24



GOVERNMENT OF SIERRA LEONE
MINISTRY OF HEALTH
NATIONAL PUBLIC HEALTH AGENCY

NATIONAL WEEKLY EPIDEMIOLOGICAL BULLETIN

WEEK 07: 12th — 18th Feb, 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. Of the cases, one was under fives and three above five years of age from Koinadugu (2) while Kambia and WAU (1) each per district. Samples were collected and sent to CPHRL for confirmatory shipment
- **Anthrax:** One (1) suspected case of Anthrax reported from Karene district this week. The case was an under five child. Sample has been collected and sent to the Public Health Lab for confirmation
- **Measles:** Nine (9) cases of suspected measles were reported this week. Of the cases, six were under fives and three above five years of age, from Karene (5), Koinadugu (2) while Bonthe and Port Loko (1) each per districts. Samples were collected and sent to CPHRL for confirmation.
- **Animal Bite (Dog):** Fourteen (14) Dog bite cases were reported this week. Of the cases, one was under five and thirteen were above five years. The highest number of cases were from Bombali and Kono (5) each, and Bo (2) districts.
- **Animal Bite (Snake):** Eleven (11) Snake bite cases and one death were reported this week. The death was from Moyamba district. Of the cases, two were under fives and nine were above five years of age. The highest caese were from Kailahun and Moyamba districts.
- **Maternal death:** Four (4) maternal deaths were reported this week from WAU (2) while Bombali and Kenema (1) each per district.
- **Acute Viral Hemorrhagic Fever (AVHF):** Seven (7) cases of suspected AVHFs with one death were reported this week. The death was from Kenema district. Of the cases, four were under fives and three above five year from Kenema (5) while Kono and tonkolili (1) each per district. The cases were investigated and samples sent to Kenema regional Lab. for confirmation.
- **Yellow fever:** Eight (8) cases of suspected Yellow fever were reported this week. Of the cases, one was under five and seven above five years of age from WAU (3), Bonthe and Koinagugu (2) and Kambia (1) districts. Samples were collected and sent to CPHRL for confirmation

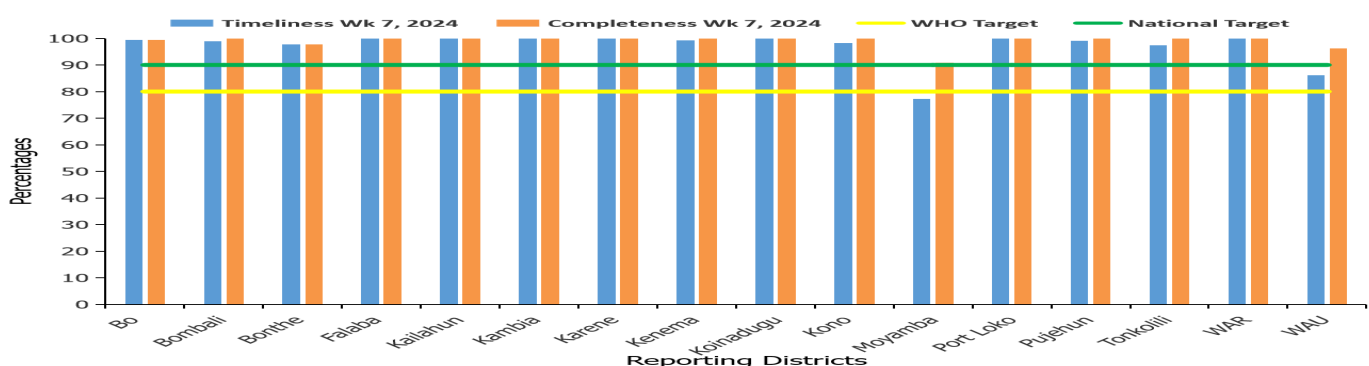
117 Call Centre Highlights

- **Perinatal Deaths:** Eleven (11) calls related to Perinatal deaths were made this week of which, stillbirth (5) and neonatal death (6)
- **Pneumonia:** Seven (7) calls related to suspected pneumonia were made this week from five districts
- **Maternal death:** Two (2) calls related to maternal deaths were made this week from Bo district
- **Bloody diarrhoea:** One (1) call related to bloody diarrhoea was made this week from Kailahun district

117 Call Summary for epi week 1, 2024

- A total of 10,225 calls were received and responded to, out of which 10,077 (98.6%) were prank calls and 148 (1.4%) were signals
- Out of the total signals received:
- Death 131 (88.5%)
- Health Emergencies 8 (5.4%): Dog Bite 5 & Requesting Ambulatory Service 3
- Sick 8 (5.4%)
- Referral Call 1 (0.7%): Fire Force

Health Facility Timeliness & Completeness of Weekly report by district, (epi week 7, 2024)

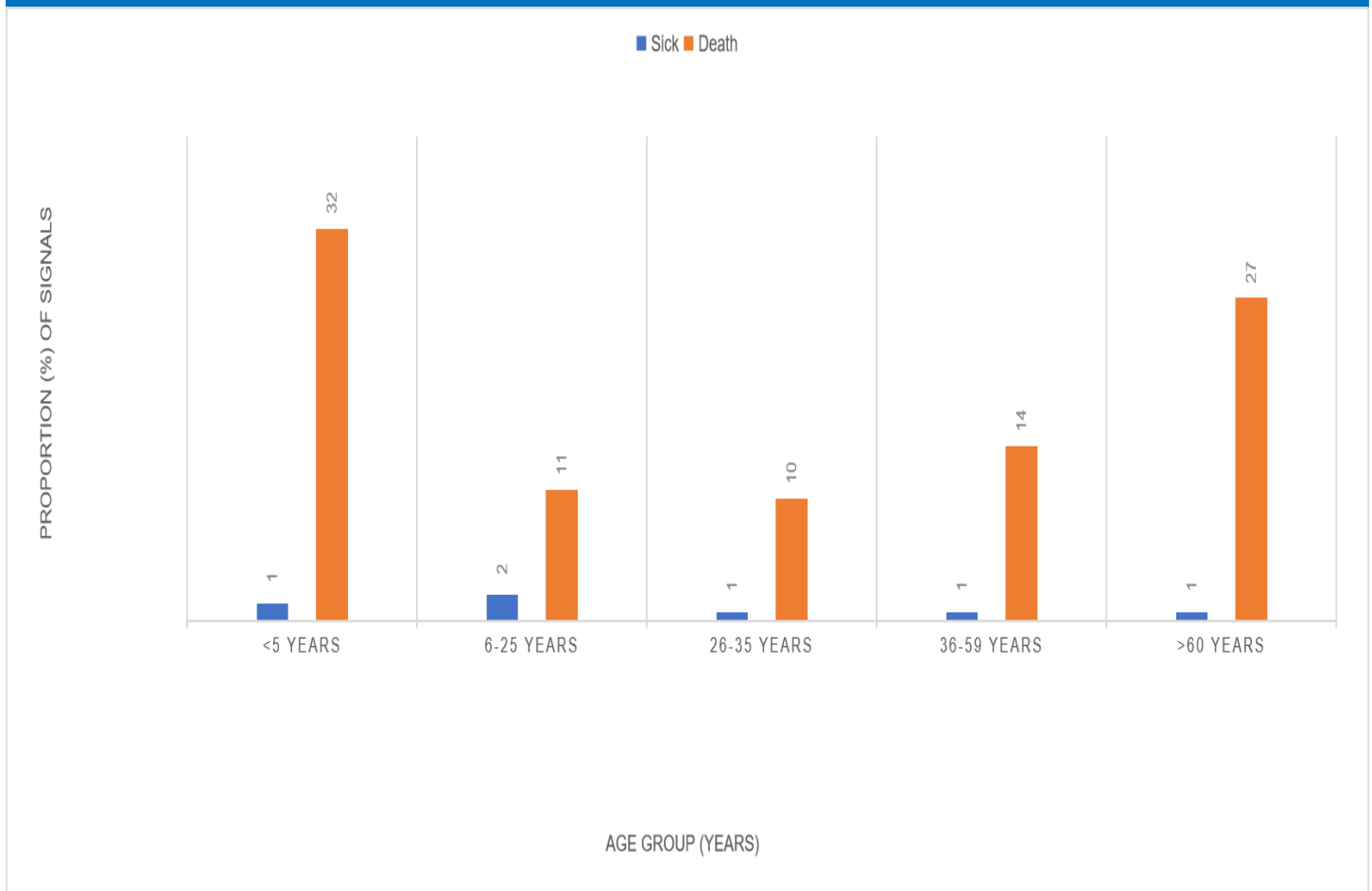


For Week 7 of 2024, 16 out of 16 districts achieved both the WHO and national targets for timelines and completeness while two achieved only the WHO target for completeness without achieving the national targets for timeliness

Updates from the samples of suspected cases reported for this week

- **Acute Viral Haemorrhagic Fever (AVHF):** Seven Samples of suspected AVHF were sent to the Lab. this week. The sample were collected and sent to Kenema regional Lab. All of the samples however tested Negative AVHFs
- **Measles:** Six samples of suspected measles were sent to the Lab. From Karene, Koinadugu and Bonthe districts. The turn around time for measles sample is seven days
- **Yellow fever:** Eight samples of suspected yellow fever were sent to the Lab. For confirmation. The TAT for yellow fever is seven days
- **Bacterial Meningitis:** Eleven cases of suspected bacterial meningitis were reported. No sample was collected for bacterial meningitis confirmation

Sick and death signals by age groups, epi week 7, 2024 (n=8) (n=131)



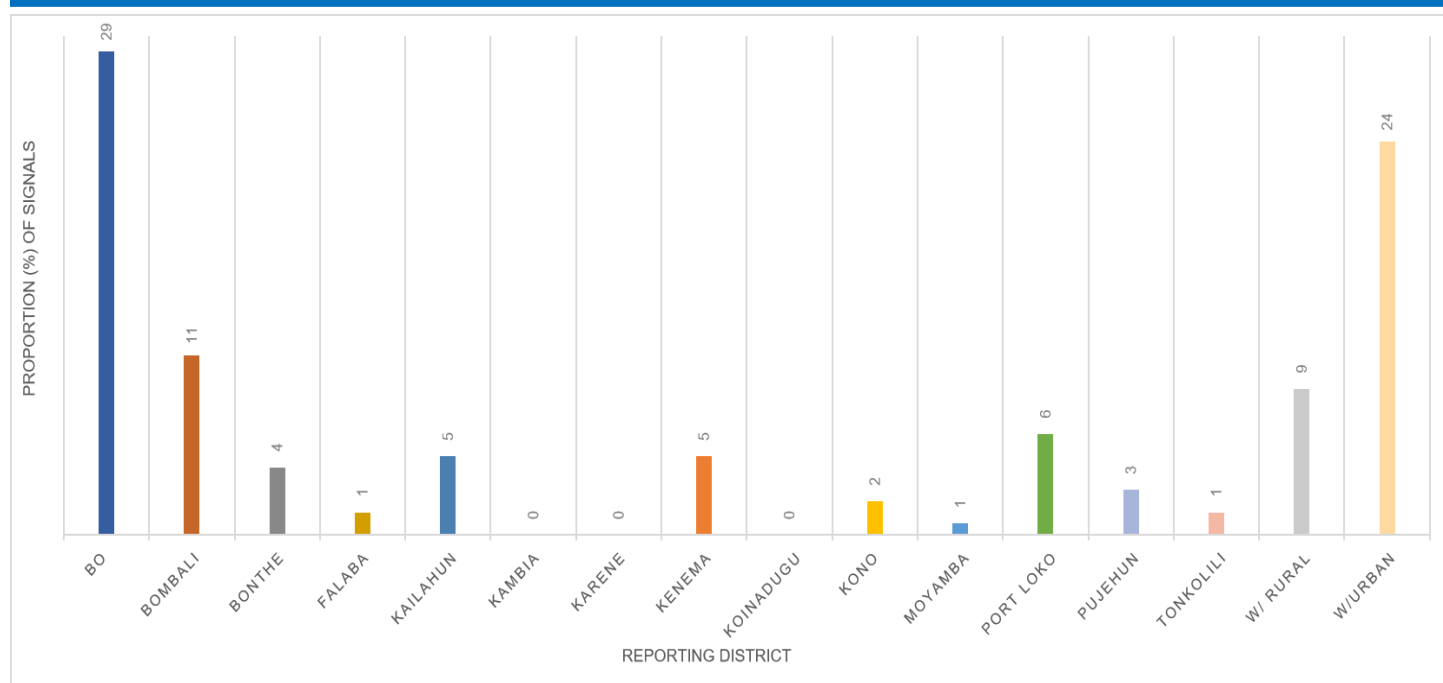
For week seven of 2024, a total of 139 call signals for sick and death were made of which 131 were related to deaths and 8 were for sick. The age groups of <5 had a higher proportion of death reported and the least was 26-35years. For the sick cases the age group of 6-25 reported the highest

Submission of report by health facility via phone call, SMS, paper form or Mobile internet (epi week 7, 2024)

District	#s of Expected HFs	Call	Paper forms	SMS	Mobile SMS	Mobile internet	Mobile Total	Total Submission	% Mobile Submission
Bo	150	1	0	82	11	55	66	149	44
Bombali	97	0	0	9	9	79	88	97	91
Bonthe	89	2	0	14	5	66	71	87	82
Falaba	50	22	0	0	7	21	28	50	56
Kailahun	91	0	0	0	4	87	91	91	100
Kambia	74	0	0	0	4	70	74	74	100
Karene	62	0	0	10	6	46	52	62	84
Kenema	141	0	0	48	21	72	93	141	66
Koinadugu	67	0	0	54	3	10	13	67	19
Kono	114	10	0	66	3	31	34	110	31
Moyamba	110	76	0	0	6	22	28	104	27
Port Loko	118	0	0	0	54	64	118	118	100
Pujehun	104	0	0	1	7	96	103	104	99
Tonkolili	117	52	0	0	18	47	65	117	56
WAR	72	6	14	0	3	49	52	72	72
WAU	108	0	0	0	6	88	94	94	100
Cumulative	1564	169	14	284	167	903	1070	1537	70
KEY:		90 - 100		75 - 89		0 - 74			

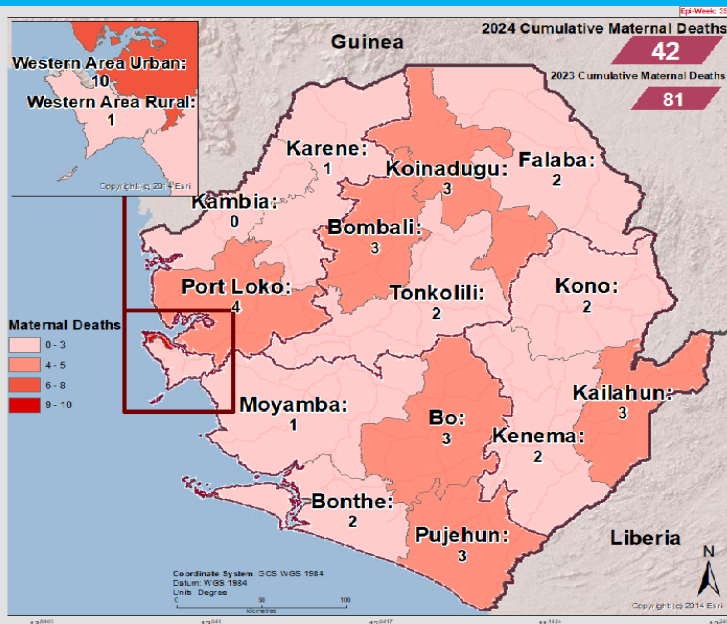
For week seven of 2024, a total of 1,564 facilities reported countrywide using various means of reporting. Mobile SMS and mobile internet were used exclusively by four districts (Kailahun, Kambia, WAU and Port Loko). Only one district (WAR) used paper based reporting of which, 14/72 (19%) of the facilities reported using paper. The country has moved from paper based reporting to electronic since 2018

Call signals by reporting districts epi week 7, 2024 (N=148)



For week seven of 2024, greater proportion of call signals were from Bo district closely followed by WAU district, then BoMBALI district. 3/16 (18.7%) of districts made zero call.

Cumulative Maternal Deaths reported by district (epi Week 7, 2024)



Compared Maternal Deaths reported by district (epi Week 1- 7, 2023 & 2024)

District	2023 Week 1 - 7	2024 Week 1 - 7	
Bo	14	3	↓
Bombali	2	3	↑
Bonthé	6	2	↓
Falaba	3	2	↓
Kailahun	4	3	↓
Kambia	5	0	↓
Karene	3	1	↓
Kenema	3	2	↓
Koinadugu	0	3	↑
Kono	7	2	↓
Moyamba	3	1	↓
Port Loko	3	4	↑
Pujehun	3	3	↔
Tonkolili	8	2	↓
Western Rural	2	1	↓
Western Urban	15	10	↓
Total	81	42	↓

In comparison with week seven of 2023, 2024 has reported less maternal deaths for the same period. Four deaths were reported this week from three districts. One district (Kambia) has not reported any maternal death in the past seven weeks. Total maternal deaths reported since the start of the year is forty-two (42).

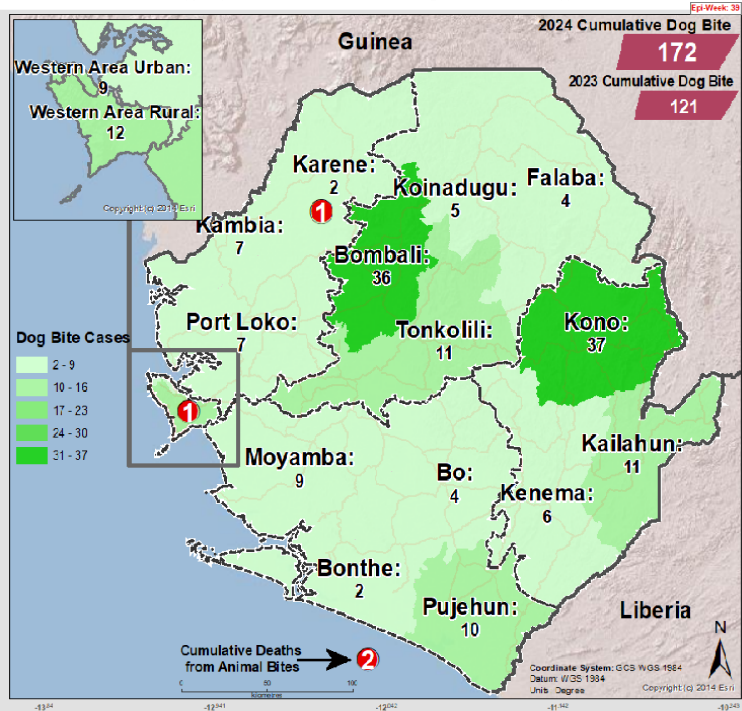
Maternal Deaths reported by district and Place of Occurrence (epi Week 7, 2024)

District	Health Facility	No. of Death
WAU	PCM. Hospital	2
Bombali	Makeni Govt. Hospital	1
Kenema	Kenema Govt. Hospital	1
Total		4

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

Cumulative Dog Bite cases reported by district (epi Week 7, 2024)

Compared Dog Bite cases reported by district (epi Week 1- 7, 2023 & 2024)

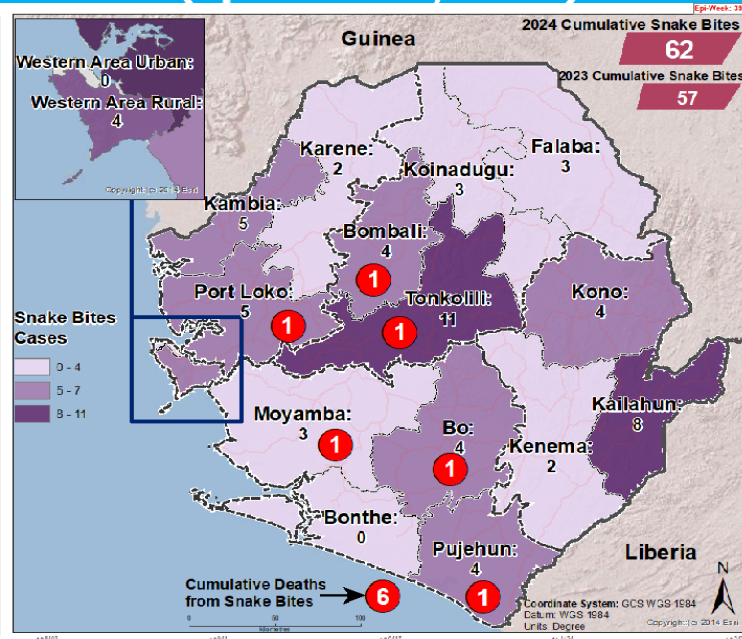


District	2023 Week 1 - 7	2024 Week 1 - 7	
Bo	0	4	↑
Bombali	16	36	↑
Bonthe	1	2	↑
Falaba	3	4	↑
Kailahun	16	11	↓
Kambia	3	7	↑
Karene	3	2	↓
Kenema	6	6	—
Koinadugu	1	5	↑
Kono	31	37	↑
Moyamba	6	9	↑
Port Loko	17	7	↓
Pujehun	8	10	↑
Tonkolili	0	11	↑
Western Rural	4	12	↑
Western Urban	6	9	↑
Total	121	172	↑

Week seven 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 Bombali Kono and Kailahun and Tonkolili districts and the deaths were from WAR and Karene districts. Total reported cases since the start of the year is 172.

Cumulative Snake Bite cases reported by district (epi Week 7, 2024)

Compared Snake Bite cases reported by district (epi Week 1- 7, 2023 & 2024)



District	2023 Week 1 - 7	2024 Week 1 - 7	
Bo	2	4	↑
Bombali	9	4	↓
Bonthe	0	0	—
Falaba	2	3	↑
Kailahun	3	8	↑
Kambia	3	5	↑
Karene	4	2	↓
Kenema	4	2	↓
Koinadugu	5	3	↓
Kono	10	4	↓
Moyamba	1	3	↑
Port Loko	8	5	↓
Pujehun	5	4	↓
Tonkolili	0	11	↑
Western Rural	1	4	↑
Western Urban	0	0	—
Total	57	62	↑

Week seven of 2024 reported more snake bite cases compared to week seven of 2023 and with five deaths related to snake bite. The deaths are from Pujehun, Port Loko, Bo, Tonkolili and Bombali districts. The highest number of cases were reported from Kailahun and Tonkolili districts. Total reported cases since the start of the year is sixty-two (62).

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