



Ministry of Health Uganda

Weekly Epidemiological Bulletin

Summary Table

Indicator	Week 20 2015	Week 21 2015
% Districts	100	99
Ave % HU	64	52
% Timely reports	76	54
AFP	1(0)	2(0)
Rabies	448(1)	579(0)
Cholera	5(0)	3(0)
Dysentery	1263(0)	1583(0)
Guinea Worm	0(0)	0(0)
Malaria	197122 (38)	179864 (40)
Measles	213(0)	208(0)
Meningitis	72(0)	114(0)
NNT	0(0)	1(0)
Plague	0(0)	0(0)
Typhoid	2083(0)	1878(0)

Completeness of Reporting

Amudat district did not report this week but others did (99.1%) reported and 52% (1997 of 3841) of the health units submitted reports this week. **Moyo, Butambala, Arua and Maracha** had **100%** completeness. Only 15 districts achieved the targeted 80% of the health units reporting compared to 34 in week 20 (highlighted in yellow in summary table). Pader, Namayingo and Mubende with less than 20% (districts with <50% are highlighted in pink). Comparison of the reporting levels by region show that the northern region districts are above and the central region is trailing (**Figure 1**).

Timeliness

At national level, 54% (1074 out of 1997) health facilities submitted timely reports. Only 15 out of 112 districts had 80-100% of their facilities reporting timely.

Epidemiological week 21 Of 2015 [17th – 23rd May 2015]

Disease Outbreaks

Cholera: In **Kasese** district, the cholera outbreak in Kasese started on **14/03/2015**. By **31st May**, **105 cases 1 death (CFR 1.0%)** had been reported at Bwera Hospital cholera treatment centre. From the laboratory results, the outbreak was caused by *Vibrio cholera inaba*. In week 21, Kasese district reported **3 cases** and from daily situation reports from the district, by 2nd June, no cases were admitted in the CTC. **Bundibugyo** had no case this week.

Measles: **Wakiso, Luwero, Buikwe, Nakaseke, Kampala, Kamwenge and Mubende** reported 10 or more cases. **Kamwenge** confirmed and surpassed the epidemic threshold of confirmed measles cases; line listed 23 confirmed cases and thus has received additional support from the national level and WHO. In week 21, **39 districts** reported at least one case. From EPI/UVRI laboratory report of 2nd June, 6 out of 32 districts with suspected cases, had confirmed cases but 29 had confirmed rubella cases (**Figure 2**). Total lab confirmed and probable cases are 70, and the majority (79%) were 0-9 years old. Of the 70 cases, 44% were vaccinated but 29% had unknown history.

Typhoid fever: The typhoid fever outbreak started in week 48, 2014 in Kampala district. **The majority of cases reside in Makindye and Rubaga divisions.** The analysis of the daily records at the treatment centres reveals reduction in numbers. From analysis of the line lists, **7628 cases were meeting the case definition.** In week 21, 35 districts had 5 or more cases per 100,000 population. Notably, Sembabule, Nakaseke, Lyantonde, Kotido, Kampala and Butambala had 20 or more cases /100,000 population.

Other priority diseases

AFP: Sheema and Kiryandongo Districts reported one case each. Koboko reported 21 cases which seem to be an error but the district is yet to clarify.

Rabies: Seventy seven districts reported one or more cases of animal bites as a proxy for rabies. Districts with 10 cases or more were 9 and the highest number of animal bites reported was from Kampala (146), Wakiso (63) and Kabarole (38).

Dysentery: This week, 93 districts reported at least a case of dysentery and of these, 38 districts had 10 or more cases. The cases reported increased significantly due to probable mistakes in Koboko and Hoima Districts which had 336 and 234 cases respectively. Kotido (96) and Kampala (48) also had high numbers. None of the districts reported related detailed **laboratory investigations** to rule out epidemic dysentery due to **Shigella** species.

Malaria: The cases decreased by 20% in week 21 reflecting the reduction in reporting levels and completeness of the data. Districts with more than 3000 cases were 15 but Arua (8667), Gulu (5083), Nebbi (4747) reported highest numbers. Although the malaria testing rate is consistently high, there is a wide disparity (less than 50% positivity) between suspected and treated cases (**Figure 3**).

Meningitis: Meningitis cases were reported in Mbarara (4), Gulu (3), Kiruhura (1) and Nebbi (1). Hoima District reported 105 cases in week 21 compared to 64 in week 20, which will be verified.

Neonatal tetanus: Kasese District reported one case.

Human Influenza: In week 21 The Makerere University Walter Reed Influenza Surveillance Project data from sentinel surveillance sites for ILI collected 14 samples but none was positive. Since the year started, only 3 Influenza B viruses have been isolated.

Guinea worm: No case was reported.

Maternal deaths: In week 21, 1998 out of 3841 (54%) health facilities reported about maternal deaths. From five facilities, 17 deaths were reported and Kitayunjwa HC III accounted for 13 deaths. The attempts to contact the facility to verify this report were futile but similar reports were submitted previously. Related to this indicator, 2 perinatal deaths were reported in Koboko Hospital and Mubende RRH.

International health events:

MERS-COV: By 4th June, there were 35 cases in South Korea but Saudi Arabia has had 2 cases and 2 deaths (100% CFR).

Influenza H5 in Poultry: Since 15th May, Accra, Ghana reported 2780 cases and 2780 deaths. Due to a susceptible population of 31267 birds, 28477 have been destroyed /slaughtered.

Rabies: One case (by 15th May) and death (27th May) reported in Bali, Indonesia in a female adult bitten by a rabid dog.

Crimean Congo Hemorrhagic Fever: In Pakistan, 1 case 1 death was reported in an animal trader. As of 4th June, contacts including health workers are being followed up. (**Source: Promed Mail**)

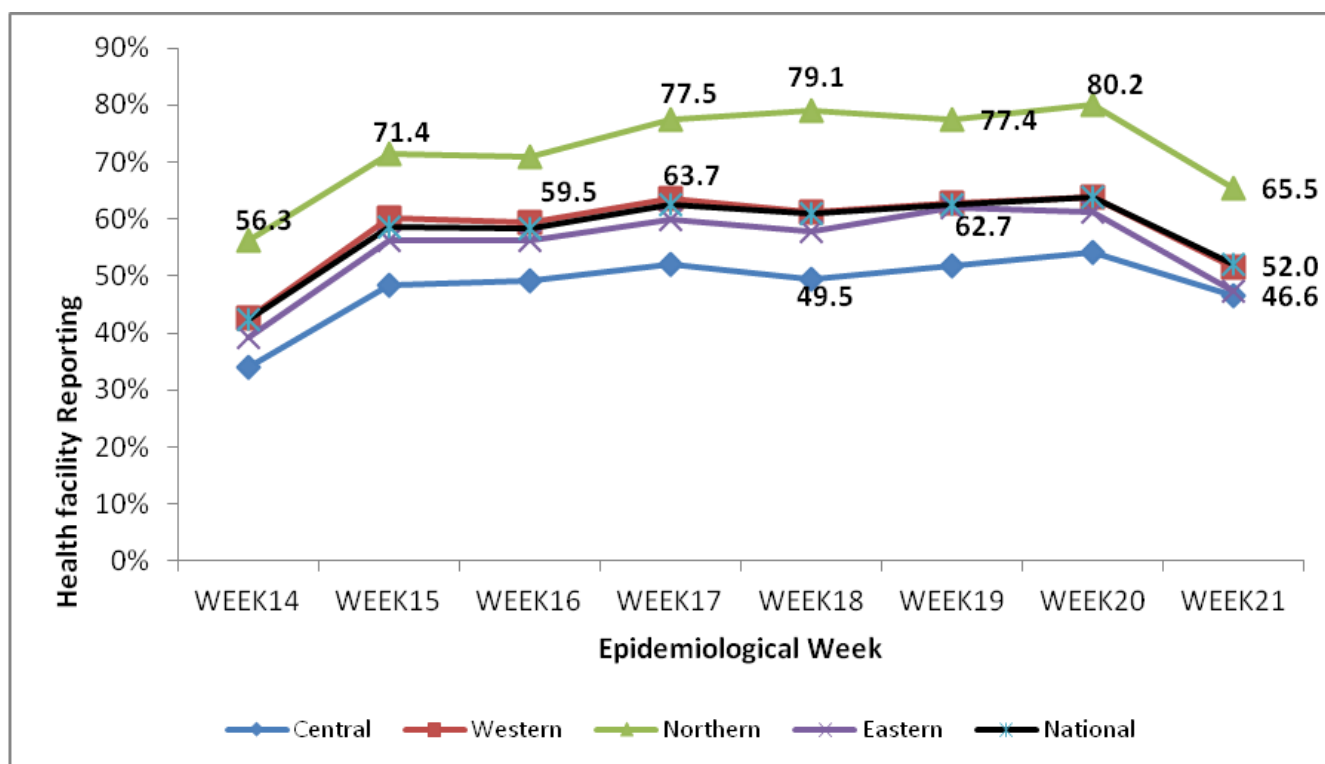


Figure 1: Comparison of health facility reporting by region from weeks 9 to 20, 2015

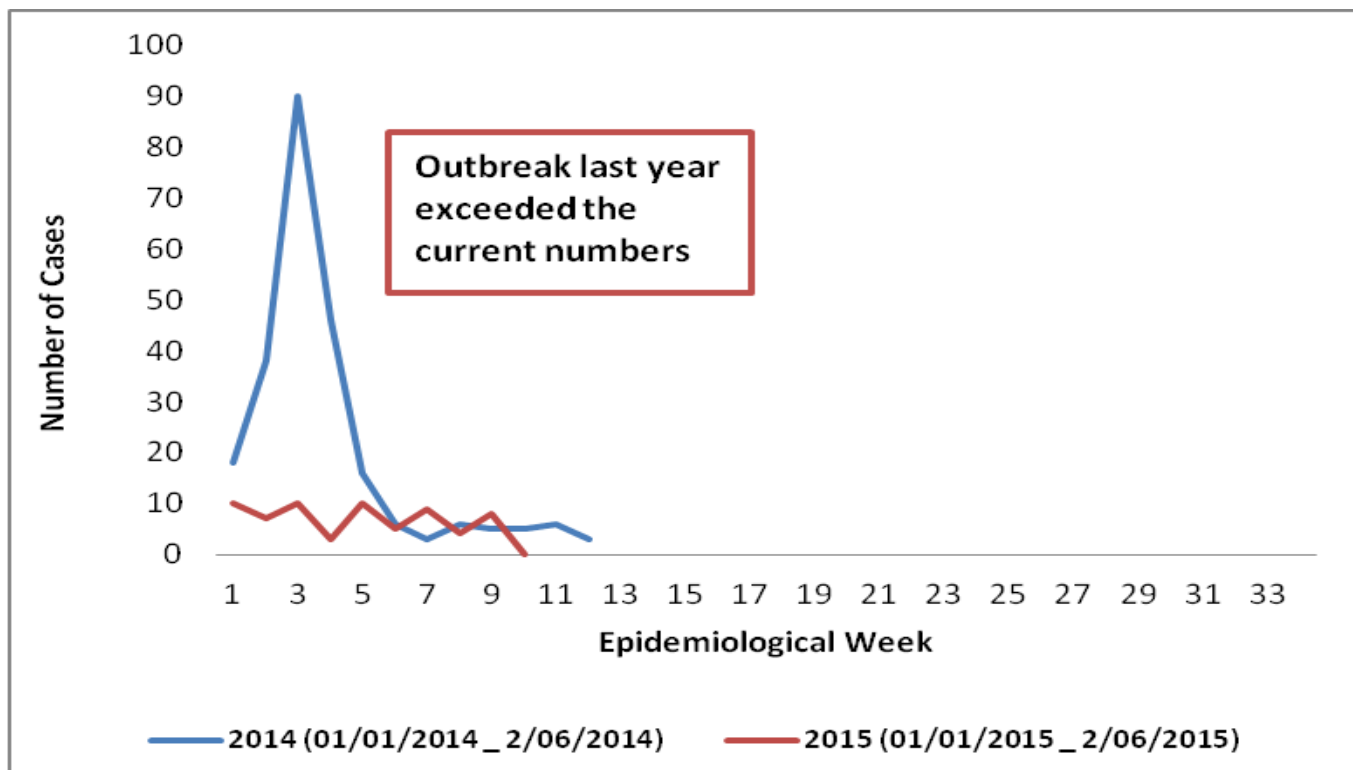


Figure 2: Number of confirmed measles cases in 2014 and 2015

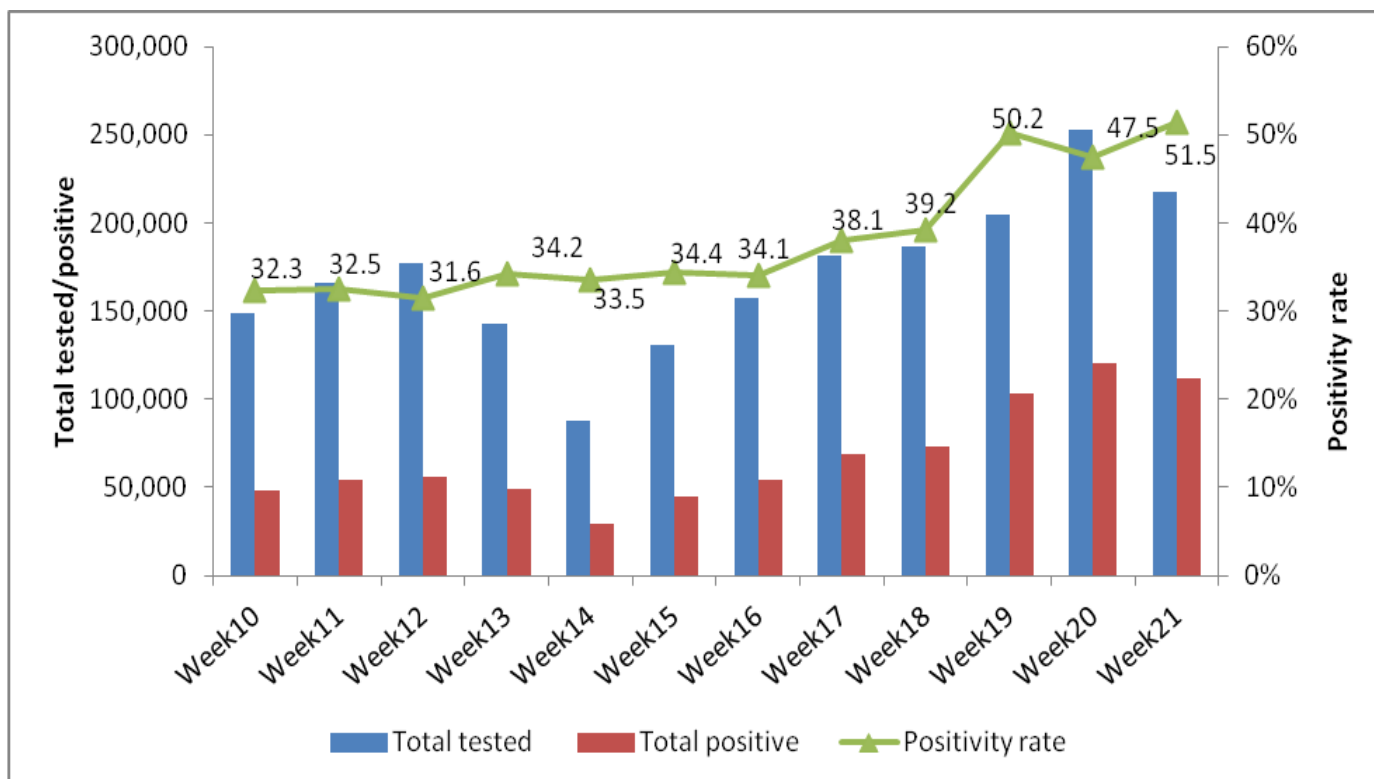


Figure 3: Malaria suspected and tested cases compared with percent positivity rate among the tested cases

Summary table for epidemiological reports received for week ending 23rd May 2015

(Numbers in brackets indicate deaths)

District	% of H/U reporting	AFP	Animal bite (Suspected Rabies)	Cholera	Dysentery	Guinea Worm	Malaria	Measles	Meningitis	NNT	Plague	Typhoid Fever
Abim	47	0	0	0	25	0	1038	0	0	0	0	0
Adjumani	69	0	3	0	18	0	3607	0	0	0	0	0
Agago	52	0	2	0	39	0	709	0	0	0	0	2
Alebtong	86	0	0	0	2	0	1242	0	0	0	0	8
Amolatar	62	0	2	0	6	0	418	0	0	0	0	1
Amudat		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Amuria	68	0	6	0	2	0	4350	0	0	0	0	0
Amuru	32	0	0	0	21	0	1934(1)	0	0	0	0	0
Apac	66	0	2	0	0	0	2979(1)	0	0	0	0	99
Arua	96	0	12	0	34	0	8667(2)	4	0	0	0	0
Budaka	31	0	0	0	2	0	719	0	0	0	0	6
Bududa	67	0	0	0	7	0	1266	1	0	0	0	16
Bugiri	33	0	4	0	9	0	1539	2	0	0	0	0
Buhweju	27	0	0	0	0	0	45	0	0	0	0	40
Buikwe	78	0	7	0	17	0	3433	14	0	0	0	3
Bukedea	18	0	0	0	2	0	192	1	0	0	0	2
Bukomansimbi	53	0	0	0	2	0	666	1	0	0	0	12
Bukwo	56	0	14	0	38	0	479	0	0	0	0	0
Bulambuli	75	0	0	0	1	0	1012	0	0	0	0	6
Buliisa	80	0	0	0	5	0	877	0	0	0	0	17
Bundibugyo	68	0	6	0	9	0	1950	0	0	0	0	38
Bushenyi	38	0	9	0	0	0	686	3	0	0	0	1
Busia	29	0	5	0	9	0	1554(1)	0	0	0	0	0
Butaleja	42	0	2	0	9	0	1418	0	0	0	0	23
Butambala	100	0	3	0	3	0	1718	3	0	0	0	2
Buvuma	46	0	3	0	10	0	338	0	0	0	0	0
Buyende	60	0	0	0	4	0	1229	0	0	0	0	1
Dokolo	94	0	1	0	3	0	2132	0	0	0	0	0
Gomba	39	0	3	0	8	0	414	0	0	0	0	40
Gulu	65	0	14	0	53	0	5083(6)	0	3	0	0	29
Hoima	59	0	18	0	88	0	2576	2	105	0	0	3
Ibanda	30	0	0	0	0	0	1373	3	0	0	0	0
Iganga	34	0	1	0	3	0	2734(1)	0	0	0	0	56
Isingiro	59	0	1	0	7	0	1704	1	0	0	0	1
Jinja	28	0	7	0	31	0	2220(3)	0	0	0	0	0
Kaabong	26	0	16	0	30	0	462(1)	0	0	0	0	0
Kabale	77	0	8	0	0	0	288	0	0	0	0	64
Kabarole	77	0	10	0	4	0	2963(7)	9	0	0	0	6
Kaberamaido	29	0	0	0	5	0	1474	0	0	0	0	5
Kalangala	71	0	0	0	13	0	376	4	0	0	0	0
Kaliro	40	0	0	0	2	0	1241	0	0	0	0	3
Kalungu	40	0	2	0	5	0	731	0	0	0	0	363
Kampala	25	0	49	0	28	1	2620	21	0	0	0	8
Kamuli	60	0	13	0	6	0	4308(3)	1	0	0	0	2
Kamwenge	56	0	0	0	1	0	1986	10	0	0	0	45
Kanungu	41	0	2	0	1	0	609	1	0	0	0	9
Kapchorwa	94	0	14	0	32	0	992(1)	0	0	0	0	18

District	% of H/U reporting	AFP	Animal bite (Suspected Rabies)	Cholera	Dysentery	Guinea Worm	Malaria	Measles	Meningitis	NNT	Plague	Typhoid Fever
Kasese	61	0	2	3	6	0	3544(3)	8	0	1	0	0
Katakwi	36	0	1	0	1	0	1715	0	0	0	0	0
Kayunga	29	0	6	0	31	0	840	0	0	0	0	104
Kibaale	66	0	0	0	24	0	2529	6	0	0	0	13
Kiboga	58	0	1	0	3	0	410	1	0	0	0	0
Kibuku	46	0	2	0	1	0	551	0	0	0	0	1
Kiruhura	66	0	9	0	0	0	1982	4	1	0	0	9
Kiryandongo	48	1	1	0	8	0	1140	3	0	0	0	3
Kisoro	97	0	0	0	1	0	299	3	0	0	0	6
Kitgum	29	0	20	0	22	0	1221	0	0	0	0	0
Koboko	100	0	1	0	2	0	3410	0	0	0	0	2
Kole	92	0	2	0	7	0	2003	0	0	0	0	49
Kotido	47	0	1	0	79	0	1014	0	0	0	0	9
Kumi	20	0	0	0	1	0	809	0	0	0	0	2
Kween	71	0	7	0	4	0	691	0	0	0	0	11
Kyankwanzi	54	0	0	0	2	0	1062	0	0	0	0	2
Kyegegwa	80	0	0	0	2	0	1577	5	0	0	0	3
Kyenjojo	42	0	5	0	8	0	800	7	0	0	0	0
Lamwo	70	0	0	0	0	0	886	0	0	0	0	6
Lira	30	0	1	0	11	0	1308(1)	0	0	0	0	0
Luuka	25	0	1	0	0	0	617	0	0	0	0	88
Luwero	51	0	4	0	7	0	2157	15	0	0	0	24
Lwengo	26	0	3	0	0	0	444	2	0	0	0	19
Lyantonde	26	0	0	0	0	0	332	4	0	0	0	7
Manafwa	70	0	4	0	7	0	1653	0	0	0	0	22
Maracha	100	0	0	0	14	0	3122	0	0	0	0	6
Masaka	68	0	0	0	8	0	1537(1)	9	0	0	0	6
Masindi	62	0	3	0	16	0	1449(1)	0	0	0	0	2
Mayuge	38	0	0	0	20	0	1809	0	0	0	0	8
Mbale	67	0	9	0	12	0	2674	0	0	0	0	36
Mbarara	62	0	50	0	6	0	1011	0	4	0	0	4
Mitooma	64	0	3	0	1	0	1152	0	0	0	0	3
Mityana	45	0	1	0	9	0	1769	0	0	0	0	1
Moroto	50	0	0	0	40	0	479	0	0	0	0	42
Moyo	95	0	3	0	13	0	4461	0	0	0	0	28
Mpigi	69	0	16	0	2	0	1263	0	0	0	0	42
Mubende	13	0	9	0	8	0	448	11	0	0	0	12
Mukono	63	0	15	0	4	0	2343	3	0	0	0	9
Nakapiripirit	77	0	3	0	38	0	1754	0	0	0	0	44
Nakaseke	61	0	0	0	20	0	937	12	0	0	0	24
Nakasongola	33	0	0	0	9	0	619	4	0	0	0	0
Namayingo	3	0	4	0	4	0	67	0	0	0	0	3
Namutumba	79	0	47	0	8	0	3180	1	0	0	0	0
Napak	75	0	2	0	15	0	1099	0	0	0	0	30
Nebbi	86	0	1	0	53	0	4747(3)	0	1	0	0	0
Ngora	33	0	1	0	1	0	1114	0	0	0	0	0
Ntoroko	22	0	13	0	1	0	204	0	0	0	0	0
Ntungamo	23	0	1	0	0	0	97	0	0	0	0	0

District	% of H/U reporting	AFP	Animal bite (Suspected Rabies)	Cholera	Dysentery	Guinea Worm	Malaria	Measles	Meningitis	NNT	Plague	Typhoid Fever
Nwoya	75	0	1	0	3	0	1663	0	0	0	0	10
Otuke	69	0	8	0	5	0	906	0	0	0	0	4
Oyam	48	0	11	0	8	0	1624(1)	0	0	0	0	1
Pader	3	0	0	0	0	0	97	0	0	0	0	2
Pallisa	37	0	0	0	11	0	1335	0	0	0	0	4
Rakai	22	0	1	0	7	0	1933	4	0	0	0	10
Rubirizi	77	0	1	0	0	0	907	0	0	0	0	2
Rukungiri	39	0	3	0	1	0	1022	0	0	0	0	53
Sembabule	42	0	17	0	6	0	1029	0	0	0	0	0
Serere	32	0	3	0	11	0	1499	0	0	0	0	2
Sheema	59	1	1	0	0	0	879	4	0	0	0	0
Sironko	24	0	3	0	4	0	827	0	0	0	0	2
Soroti	61	0	3	0	9	0	4036	0	0	0	0	0
Tororo	27	0	1	0	6	0	1502	1	0	0	0	153
Wakiso	42	0	0	0	19	0	4080	20	0	0	0	19
Yumbe	75	0	0	0	18	0	4399(3)	0	0	0	0	6
Zombo	95	0	0	0	23	0	1446	0	0	0	0	1
National	52	2(0)	579(0)	3 (0)	1583 (0)	0(0)	179864 (40)	208 (0)	114 (0)	1(0)	0(0)	1878 (0)

HU= Health Units, AFP=Acute Flaccid Paralysis, NNT=Neonatal Tetanus
Compiled by the Epidemiological Surveillance Division, Ministry of Health