



Ministry of Health Uganda

Weekly Epidemiological Bulletin

Epidemiological Week 40

03rd - 09th October 2016

Highlights of the Week

- ☞ Uganda maintains the target 80% of all health facilities submitting weekly reports. No district with $\leq 40\%$ of their health facilities reporting.
- ☞ Ongoing Cholera outbreak in Northern Uganda

Table 1: Summary table of the priority disease and events in Week 40, 2016

Indicator	Week 40 2015	Week 39 2016	Week 40 2016
% of Districts reporting (n=112)	100	100	100
% of Health facilities reporting	56	84.8	83.5
Priority diseases	Cases (deaths)	Cases (deaths)	Cases (deaths)
AFP	7(0)	8(0)	15(0)
Animal bites	240(0)	341(1)	284(1)
Cholera	0(0)	12(0)	6(0)
Dysentery	610(2)	901(1)	955(0)
Guinea Worm	2(0)	0(0)	0(0)
Malaria	108650(43)	200216(49)	187755(43)
Measles	242(0)	55(0)	45(0)
Bacterial Meningitis	4(2)	9(1)	14(1)
NNT	1(0)	3(0)	1(0)
Plague	0(0)	0(0)	0(0)
Typhoid	1291(2)	1709(4)	1713(1)
MDR TB	17(0)	24(2)	16(1)
Human Influenza samples (lab confirmed/Samples tested)	-	2/26	2/29

Completeness of Reporting

In Week 40 of 2016, the proportion of health facilities that submitted a report was 83.5% which represents a 49.1% increase in reporting rate in comparison to the same week in 2015. Only 19.8% (23/116) districts had 100% of their health facilities reporting and 64.7% (75/116) of the districts achieved the national target of 80%. No district had $\leq 40\%$ of its health facilities reporting this week. The district level performances in Week 40 have been presented in the figures below;

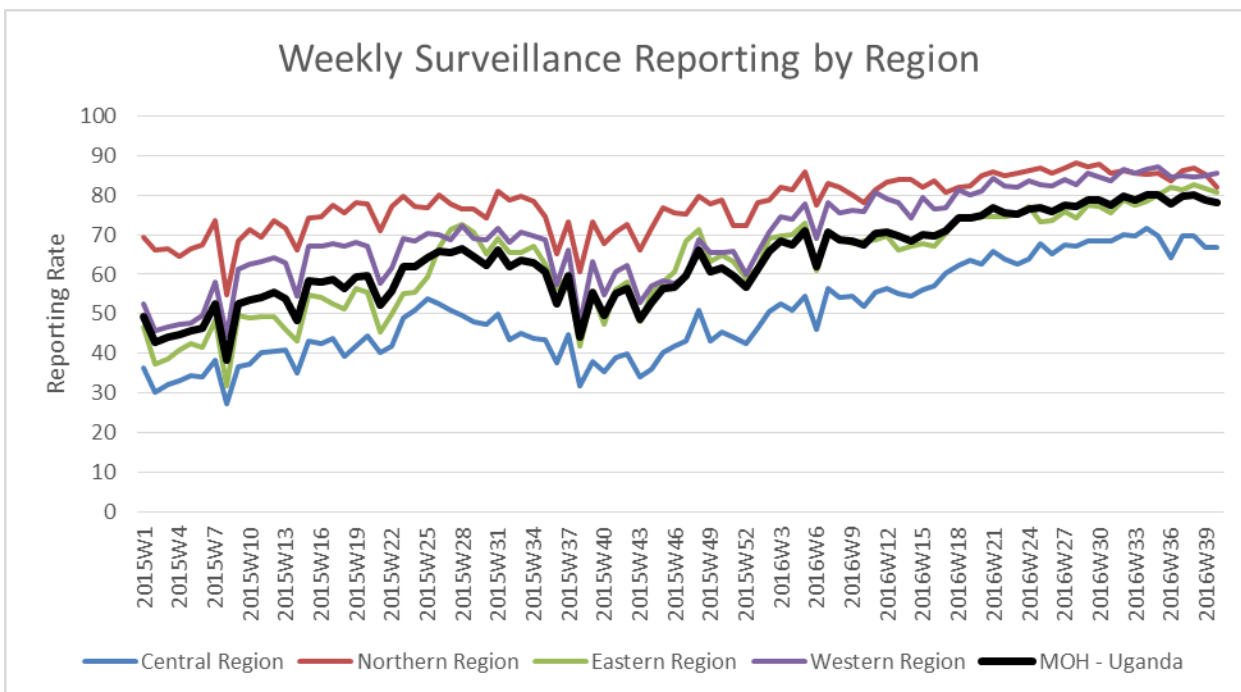


Figure 1: Figure showing weekly surveillance reporting rates by region in Week 40, 2016

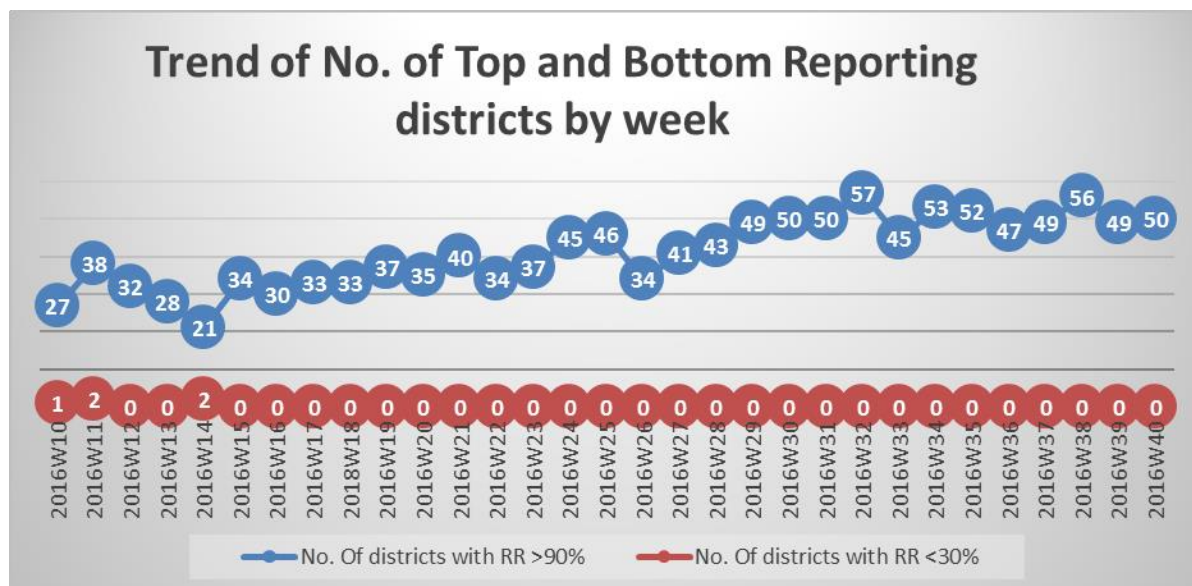


Figure 2: Figure showing trend of top and bottom reporting in Week 40, 2016

Disease outbreaks

Cholera: In Week 40 of 2016, a total of six (6) suspected Cholera cases were reported from three districts; Adjumani 2, Amuru 2, and Gulu 2, with no Cholera related deaths reported.

Malaria: A total of 187,755 cases of Malaria with 43 deaths were reported in Week 40 (CFR 0.02%). The malaria cases reported this week represent a 6.2% decrease in comparison to Week 40. Most malaria epidemic districts in Northern Uganda are still above the respective malaria normal channels. Malaria normal channel for three of the 10 epidemic districts in Northern Uganda are shown in the graphs below;

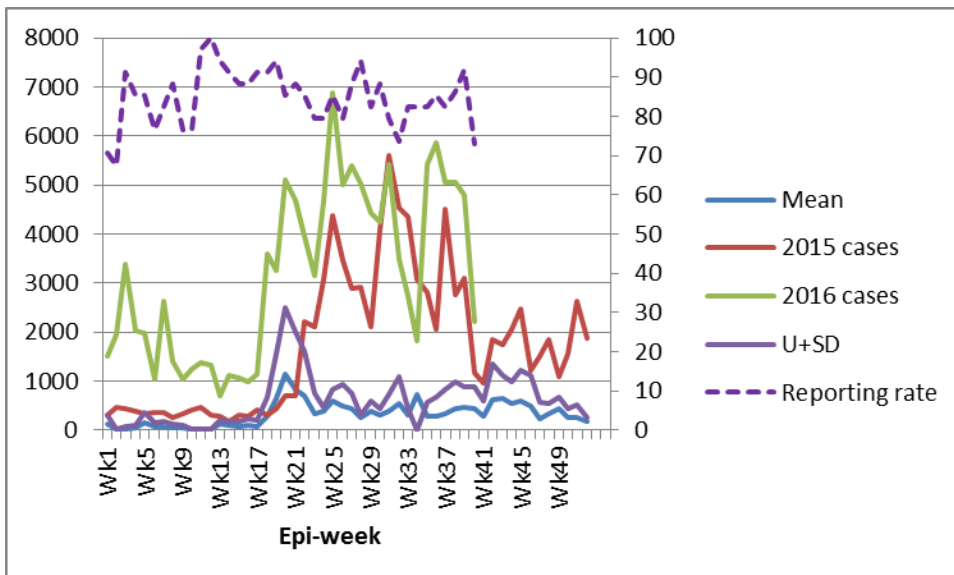


Figure 3: Malaria normal channels and reporting rates for Agago district by week 40 of 2016

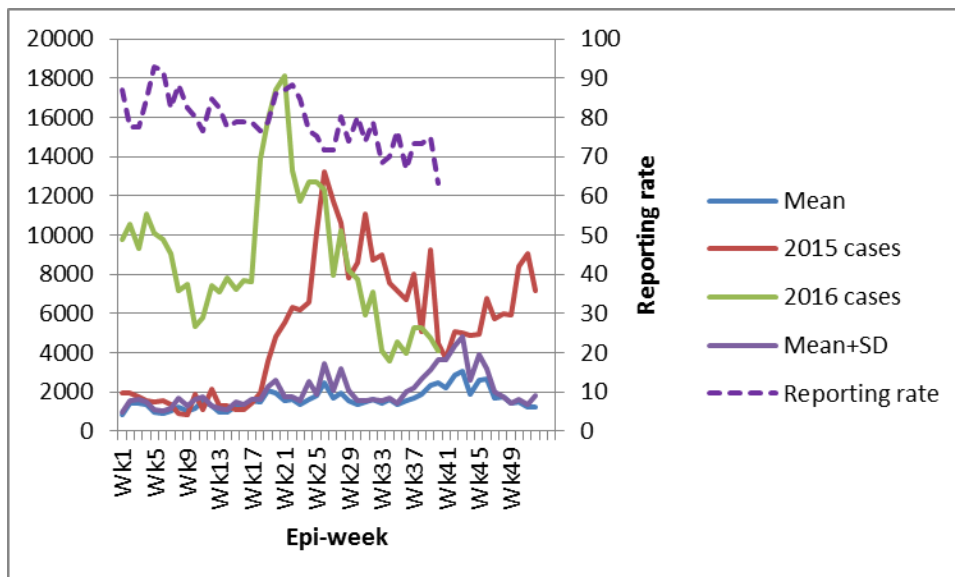


Figure 4: Malaria normal channels and reporting rates for Gulu district by week 40 of 2016

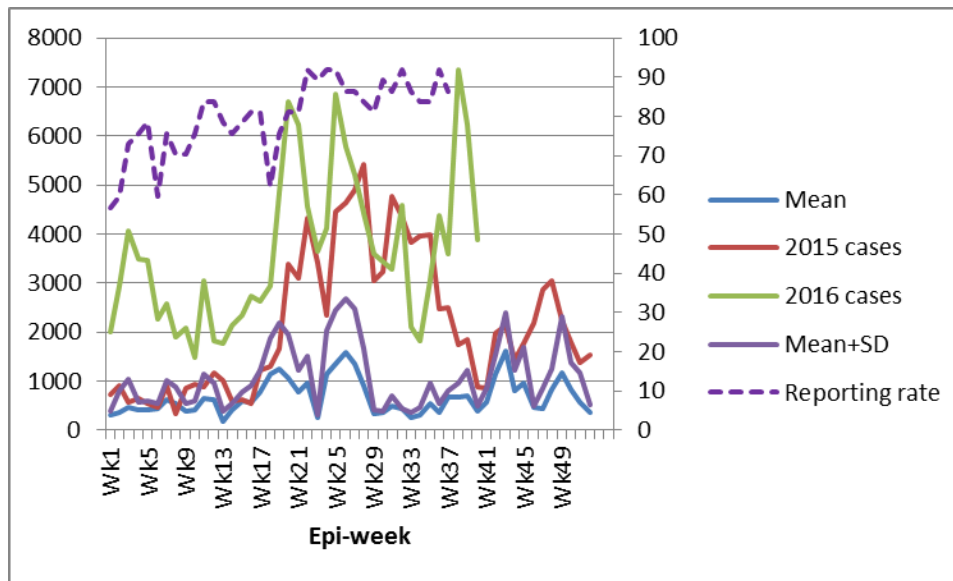


Figure 5: Malaria normal channels and reporting rates for Apac district by week 40 of 2016

Measles: A total of 45 suspected cases of Measles were reported from 26 districts in Week 40 of 2016 with no measles related death.

Nationally, the annualised rate (Non measles febrile rash illness rate) of 4.70 suspected measles investigated per 100,000 population has been attained way above the minimum required rate of 2/100,000 population. 100/112 districts have investigated at least one suspected measles case making it 89.3% while 12 out of 112 (10.7%) district are still silent. By week 40, 1342 suspected measles cases had been reported since the beginning of the year from 101 districts. The proportion of cases with measles positive IgM is 119 (9.1%) and 9 (0.7%) are epidemiologically linked. 42/100 districts reporting measles cases have had at least one positive IgM case. A Measles outbreak was confirmed in Mayuge district during the week and currently up to 43 cases have been linelisted. Investigation and response efforts in Mayuge are ongoing.

Typhoid fever: In Week 40 of 2016, 1713 cases of suspected Typhoid fever were reported from 96 districts with 60/96 districts being above the threshold of 5 cases. One (1) Typhoid related death was reported from Gulu district this week.

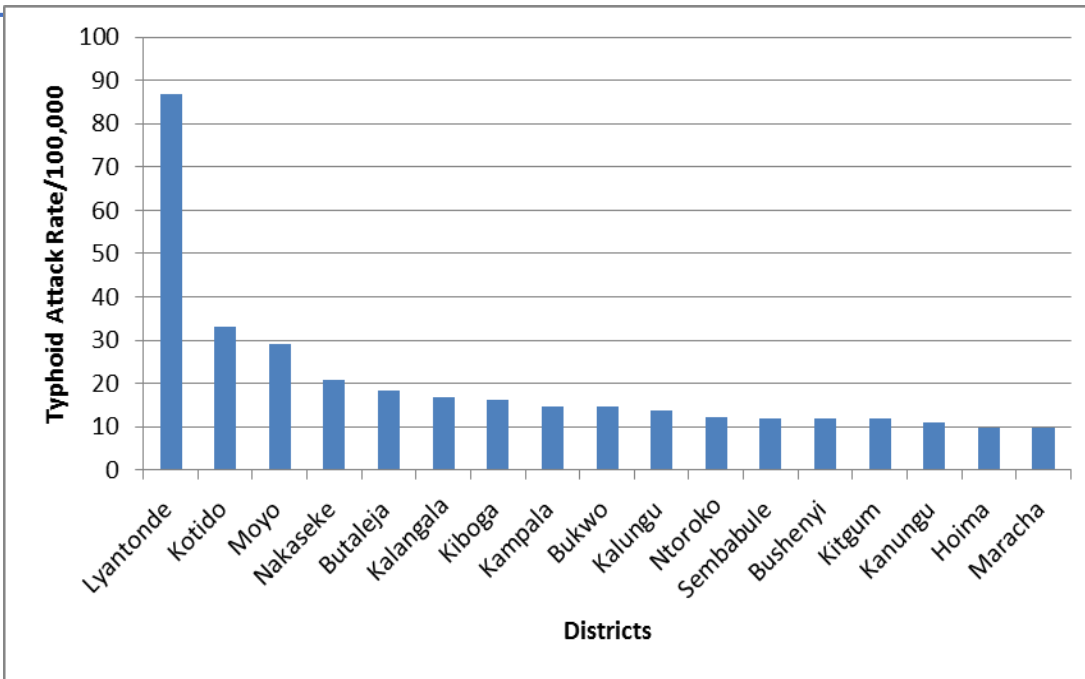


Figure 7: Graph showing Districts with Typhoid fever Attack Rate of $\geq 10/100,000$ in Week 40 of 2016

Influenza: In week 39 of 2016, 29 samples were received and processed by the Walter Reed Influenza Surveillance Project, 2 of which tested positive; one sample positive for subtype A(H3) and positive for Influenza subtype B.

AFP: The Non-polio AFP rate is 2.99/100,000 children 0 – 14 years compared to Non-polio AFP rate of 2.47/100,000 children 0 – 14 years for the corresponding week of 2015.

The adequate samples collection rate is 89.87% compared to 87.28% for the corresponding week of 2015.

NPENT rate is 9.23% compared to 14.95% for the corresponding week of 2015.

A total of 15 AFP cases were reported during week 40 of 2016 similar to that reported in the previous week.

A total of 111 districts have detected and investigated at least one AFP case this year except **Buhweju**.

Neonatal Tetanus: One (1) suspected case of NNT was reported in Week 40 of 2016 from Nakaseke district, with no NNT related death.

Maternal and Perinatal deaths: A total of ten (10) Maternal deaths were reported from 5 districts while thirty (30) Perinatal deaths from 11 districts were reported in Week 40 of 2016 as shown in table 2 below;

Table 2: Summary table of Maternal and Perinatal deaths in Week 40, 2016

District	Facility	Maternal Deaths	Perinatal Deaths
Amudat	Lokales HC II HC II	0	2
Bududa	Bushika HC III HC III	0	2
Bushenyi	Kiu Teaching HOSPITAL General Hospital	1	0
Bushenyi	Comboni HOSPITAL General Hospital	0	2
Hoima	Hoima REGIONAL REF HOSPITAL RR Hospital	6	5
Jinja	Jinja Regional Ref HOSPITAL RR Hospital	1	3
Kabarole	Fort Portal Regional Referral Hospital RR Hospital	1	5
Kampala	Mengo HOSPITAL General Hospital	0	2
Kayunga	Kayunga Hospital General Hospital	0	4
Mukono	Kasawo HC III HC III	0	1
Nebbi	Nebbi Hospital General Hospital	0	2
Yumbe	Yumbe Hospital General Hospital	1	2

Summary table for epidemiological reports received for Week 40 (03rd – 09th October 2016)

(Numbers in brackets indicate deaths)

District	% HU Reporting	AFP	AEIs	Animal Bites	Bacterial Meningitis	Cholera	Dysentery	Guinea Worm	Malaria	Measles	NNT	Plague	Presumptive MDR TB	Typhoid Fever
Abim	45	0	0	0	0	0	3(0)	0	612(0)	0	0	0	0	5(0)
Adjumani	88.6	0	0	0	0	2(0)	12(0)	0	4,260(0)	0	0	0	0	0
Agago	73.5	0	0	4(0)	0	0	13(0)	0	2,203(0)	0	0	0	0	1(0)
Alebtong	88.9	0	0	3(0)	0	0	3(0)	0	891(0)	1(0)	0	0	0	3(0)
Amolatar	92.3	0	0	0	0	0	7(0)	0	1,343(0)	0	0	0	0	3(0)
Amudat	100	0	0	0	0	0	5(0)	0	298(0)	0	0	0	0	4(0)
Amuria	82.1	0	0	0	0	0	1(0)	0	5,365(1)	0	0	0	0	0
Amuru	84.4	0	0	1(0)	0	2(0)	8(0)	0	3,813(0)	0	0	0	0	3(0)
Apac	73	0	0	0	0	0	0	0	1,524(0)	0	0	0	0	1(0)
Arua	60.3	0	0	3(0)	0	0	14(0)	0	3,891(1)	0	0	0	1(0)	74(0)
Budaka	73.3	0	0	1(0)	0	0	0	0	1,211(0)	0	0	0	0	0
Bududa	100	0	0	3(0)	0	0	10(0)	0	943(0)	0	0	0	0	0
Bugiri	78	0	0	1(0)	0	0	3(0)	0	1,698(0)	0	0	0	0	25(0)
Buhweju	94.1	0	0	0	0	0	1(0)	0	123(0)	0	0	0	0	0
Buikwe	88.7	0	0	1(0)	0	0	12(0)	0	1,802(0)	1(0)	0	0	0	37(0)
Bukedea	56.3	0	0	0	0	0	2(0)	0	1,053(0)	0	0	0	0	3(0)
Bukomansimbi	100	0	0	0	0	0	1(0)	0	593(0)	0	0	0	0	3(0)
Bukwo	93.8	0	0	3(0)	0	0	20(0)	0	230(0)	0	0	0	0	13(0)
Bulamuli	84.2	0	0	0	0	0	0	0	744(0)	0	0	0	0	0
Buliisa	90.9	0	0	0	0	0	5(0)	0	713(0)	0	0	0	0	9(0)
Bundibugyo	96.7	0	0	0	0	0	8(0)	0	1,895(0)	0	0	0	0	15(0)
Bushenyi	94.7	0	0	7(0)	0	0	0	0	855(0)	0	0	0	0	28(0)
Busia	86.2	0	0	6(0)	0	0	4(0)	0	2,235(0)	1(0)	0	0	0	23(0)
Butaleja	83.3	0	0	0	0	0	5(0)	0	777(1)	0	0	0	0	45(0)
Butambala	82.6	1(0)	0	0	0	0	1(0)	0	463(0)	0	0	0	0	7(0)
Buvuma	100	0	1(0)	1(0)	0	0	10(0)	0	314(0)	2(0)	0	0	0	6(0)
Buyende	90.9	0	0	0	0	0	1(0)	0	1,051(0)	0	0	0	0	0
Dokolo	100	0	0	0	0	0	5(0)	0	706(0)	0	0	0	0	5(0)
Gomba	100	0	0	1(0)	0	0	0	0	652(0)	0	0	0	0	1(0)
Gulu	63.3	0	0	4(0)	1(0)	2(0)	25(0)	0	4,109(1)	0	0	0	0	21(1)
Hoima	54.1	0	0	11(0)	0	0	35(0)	0	2,260(3)	3(0)	0	0	0	56(0)
Ibanda	97.8	0	0	1(0)	0	0	2(0)	0	2,411(0)	0	0	0	0	6(0)
Iganga	73.2	0	0	6(0)	0	0	1(0)	0	4,449(0)	0	0	0	0	1(0)
Isingiro	95.7	0	0	3(0)	0	0	3(0)	0	1,610(0)	0	0	0	0	26(0)
Jinja	80.8	0	0	6(0)	5(0)	0	12(0)	0	3,683(1)	2(0)	0	0	7(0)	28(0)
Kaabong	77.8	0	0	5(0)	0	0	13(0)	0	1,653(0)	0	0	0	0	6(0)
Kabale	100	0	0	1(0)	0	0	0	0	209(0)	0	0	0	0	4(0)
Kabarole	52.1	0	0	6(0)	0	0	3(0)	0	1,733(0)	0	0	0	0	14(0)
Kaberamaido	84	0	0	1(0)	0	0	8(0)	0	1,484(0)	0	0	0	0	8(0)
Kagadi	54.8	0	0	0	0	0	0	0	974(1)	0	0	0	2(0)	32(0)
Kakumiro	69	0	0	0	0	0	8(0)	0	662(0)	1(0)	0	0	0	23(0)
Kalangala	76.5	0	0	0	0	0	10(0)	0	144(0)	1(0)	0	0	0	9(0)

Kaliro	81	0	0	0	0	0	2(0)	0	2,108(0)	0	0	0	0	3(0)
Kalungu	71.4	0	0	1(0)	0	0	1(0)	0	301(0)	1(0)	0	0	0	25(0)
Kampala	46.1	0	2(0)	8(0)	0	0	2(0)	0	1,320(0)	1(0)	0	0	0(1)	224(0)
Kamuli	69.5	0	0	4(0)	0	0	3(0)	0	3,944(4)	0	0	0	0	4(0)
Kamwenge	86.4	0	0	3(0)	0	0	8(0)	0	2,358(0)	4(0)	0	0	0	6(0)
Kanungu	91.7	0	0	0	0	0	2(0)	0	958(0)	0	0	0	0	28(0)
Kapchorwa	100	0	0	2(0)	0	0	9(0)	0	611(0)	0	0	0	0	1(0)
Kasese	87.7	0	0	2(0)	0	0	19(0)	0	3,219(0)	0	0	0	0	10(0)
Katakwi	65.4	0	0	0	0	0	0	0	1,148(0)	0	0	0	0	0
Kayunga	92.9	0	0	4(0)	0	0	15(0)	0	1,747(0)	0	0	0	0	0
Kibaale	100	0	1(0)	1(0)	0	0	4(0)	0	686(0)	3(0)	0	0	0	36(0)
Kiboga	75	0	0	3(0)	0	0	2(0)	0	612(0)	0	0	0	0	24(0)
Kibuku	93.3	0	0	0	0	0	4(0)	0	373(0)	0	0	0	0	0
Kiruhura	95.3	0	0	0	0	0	4(0)	0	983(0)	1(0)	0	0	0	1(0)
Kiryandongo	88.5	0	0	1(0)	0	0	3(0)	0	1,339(0)	2(0)	0	0	0	5(0)
Kisoro	94.7	0	0	0	0	0	0	0	136(0)	0	0	0	0	2(0)
Kitgum	62.5	0	0	7(0)	0	0	16(0)	0	2,961(2)	0	0	0	0	24(0)
Koboko	100	0	0	2(0)	0	0	13(0)	0	2,032(1)	0	0	0	2(0)	0
Kole	100	0	0	0	0	0	0	0	617(0)	0	0	0	0	0
Kotido	63.2	0	0	0	0	0	20(0)	0	1,804(0)	0	0	0	0	59(0)
Kumi	48.1	0	0	4(0)	0	0	1(0)	0	979(1)	0	0	0	0	21(0)
Kween	91.7	0	0	1(0)	0	0	3(0)	0	659(0)	1(0)	0	0	0	1(0)
Kyankwanzi	88	0	0	0	0	0	0	0	622(0)	0	0	0	0	16(0)
Kyegegwa	93.3	0	0	0	0	0	0	0	1,715(0)	1(0)	0	0	0	0
Kyenjojo	93.6	0	0	5(1)	2(0)	0	6(0)	0	2,300(2)	1(0)	0	0	0	25(0)
Lamwo	95.2	0	0	1(0)	0	0	0	0	3,657(0)	0	0	0	0	0
Lira	100	0	0	0	0	0	10(0)	0	1,598(0)	0	0	0	1(0)	4(0)
Luuka	67.7	0	0	0	0	0	1(0)	0	1,504(0)	0	0	0	0	1(0)
Luwero	83.8	0	0	0	0	0	4(0)	0	1,195(0)	0	0	0	0	22(0)
Lwengo	100	0	0	0	0	0	13(0)	0	952(0)	0	0	0	0	23(0)
Lyantonde	50	0	0	2(0)	0	0	0	0	310(0)	1(0)	0	0	0	82(0)
Manafwa	83.3	0	0	0	0	0	3(0)	0	1,351(2)	0	0	0	0	0
Maracha	100	0	0	2(0)	0	0	17(0)	0	1,687(2)	0	0	0	0	18(0)
Masaka	69.2	0	0	0	0	0	0	0	622(0)	0	0	0	0	3(0)
Masindi	79.1	0	0	5(0)	0	0	5(0)	0	1,298(0)	0	0	0	0	12(0)
Mayuge	80.4	0	0	1(0)	0	0	13(0)	0	2,181(0)	0	0	0	0	5(0)
Mbale	94.8	0	0	4(0)	1(1)	0	4(0)	0	1,819(6)	0	0	0	0	13(0)
Mbarara	91.2	0	0	1(0)	0	0	4(0)	0	696(0)	0	0	0	0	18(0)
Mitooma	100	0	0	0	0	0	1(0)	0	1,222(0)	0	0	0	0	1(0)
Mityana	71.2	0	0	4(0)	0	0	3(0)	0	1,843(0)	1(0)	0	0	0	3(0)
Moroto	86.7	0	0	15(0)	0	0	11(0)	0	695(0)	0	0	0	0	8(0)
Moyo	100	0	0	1(0)	0	0	12(0)	0	4,976(0)	1(0)	0	0	0	40(0)
Mpigi	92.5	0	0	2(0)	0	0	3(0)	0	731(1)	0	0	0	0	13(0)
Mubende	63.6	0	0	1(0)	0	0	30(0)	0	2,549(0)	3(0)	0	0	0	48(0)
Mukono	84.3	0	0	4(0)	0	0	12(0)	0	1,906(1)	1(0)	0	0	0	33(0)
Nakapiripirit	70.6	0	0	2(0)	0	0	24(0)	0	886(0)	0	0	0	0	2(0)
Nakaseke	75	0	0	3(0)	0	0	7(0)	0	538(0)	3(0)	1(0)	0	0	41(0)
Nakasongola	91.4	0	0	1(0)	0	0	19(0)	0	1,236(0)	4(0)	0	0	0	14(0)

Namayingo	84.4	0	0	1(0)	0	0	20(0)	0	1,967(0)	0	0	0	0	2(0)
Nam utumba	88.2	0	1(0)	0	0	0	8(0)	0	1,979(0)	0	0	0	0	2(0)
Napak	78.6	0	0	0	0	0	14(0)	0	1,428(0)	0	0	0	0	0
Nebbi	97.7	0	0	6(0)	0	0	46(0)	0	5,347(5)	0	0	0	0	23(0)
Ngora	91.7	0	0	0	0	0	5(0)	0	1,904(0)	0	0	0	0	1(0)
Ntoroko	100	0	0	0	0	0	2(0)	0	349(0)	0	0	0	0	8(0)
Ntungamo	77.3	0	0	9(0)	0	0	0	0	1,752(0)	0	0	0	0	3(0)
Nwoya	100	0	0	1(0)	0	0	3(0)	0	1,359(0)	0	0	0	1(0)	0
Omoro	67.9	0	0	0	0	0	9(0)	0	1,785(0)	0	0	0	0	6(0)
Otuke	88.2	0	0	0	0	0	3(0)	0	743(1)	0	0	0	0	6(0)
Oyam	100	0	0	0	0	0	7(0)	0	2,412(4)	0	0	0	0	30(0)
Pader	71.8	0	0	1(0)	0	0	9(0)	0	3,250(0)	0	0	0	0	4(0)
Pallisa	81.8	0	0	3(0)	0	0	9(0)	0	1,953(2)	0	0	0	0	4(0)
Rakai	63.9	0	0	2(0)	0	0	7(0)	0	2,555(0)	0	0	0	0	20(0)
Rubanda	100	0	0	0	0	0	0	0	76(0)	0	0	0	0	0
Rubirizi	94.7	0	0	0	0	0	0	0	464(0)	0	0	0	0	2(0)
Rukungiri	79.8	0	0	7(0)	0	0	0	0	1,257(0)	0	0	0	0	0
Sembabule	91.7	0	0	4(0)	0	0	7(0)	0	1,286(0)	0	0	0	0	34(0)
Serere	76.2	0	0	0	0	0	5(0)	0	1,345(0)	0	0	0	0	0
Sheema	100	1(0)	0	4(0)	0	0	0	0	693(0)	0	0	0	0	1(0)
Sironko	96.7	0	0	0	0	0	0	0	1,247(0)	0	0	0	0	9(0)
Soroti	74.3	0	0	4(0)	0	0	14(0)	0	3,881(0)	2(0)	0	0	0	18(0)
Tororo	77.8	0	0	14(0)	0	0	7(0)	0	1,031(0)	0	0	0	0	5(0)
Wakiso	42.8	0	0	44(0)	0	0	13(0)	0	1,912(0)	2(0)	0	0	2(0)	52(0)
Yumbe	100	0	0	6(0)	0	0	140(0)	0	5,744(0)	0	0	0	0	8(0)
Zombo	100	0	0	2(0)	2(0)	0	20(0)	0	1,413(0)	0	0	0	0	8(0)
National	83.6	2(0)	5(0)	284(1)	9(1)	6(0)	955(0)	0(0)	187755(43)	45(0)	1(0)	0(0)	16(1)	1713(1)

Key: Yellow: 100% reporting, Green: 80-99% reporting, Red: Below 80% reporting

HU= Health Units, **AFP**=Acute Flaccid Paralysis, **AEIs**= Adverse Events following Immunization, **NNT**=Neonatal Tetanus, **MDR TB**= Multi-Drug Resistant Tuberculosis, **NR** =Not Reported

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