



Ministry of Health Uganda

Weekly Epidemiological Bulletin

Epidemiological week 31 of 2015 [26th July – 1st Aug 2015]

Highlights of the week

- Rubella outbreak in 5 districts
- IDSR training effect on weekly data completeness

Summary Table

Indicator	Week 30 2015	Week 31 2015
% Districts	100	100
Ave % HU	56	68
% Timely reports	75	90
AFP	2(0)	7(0)
Rabies	301(0)	314 (0)
Cholera	11(0)	0
Dysentery	705(0)	930 (0)
Guinea Worm	0	0
Malaria	187982 (57)	211448 (58)
Measles	220(1)	332 (0)
Meningitis	8(0)	12 (0)
NNT	0	1 (0)
Plague	0	0
Typhoid	1789(1)	1846 (0)

Completeness of Reporting

The percentage of districts that reported this week was 100%. Reporting rate from health facilities improved from 56% in week 30 to 68% in week 31. Thirty four districts (30%) achieved the reporting target of $\geq 80\%$ compared to 14% in week 30. Maracha, Amudat and Bukwo districts achieved 100% reporting. The effect of IDSR training on reporting completeness shows a general increase in both cohorts (**Figures 1-4**).

Timeliness

Timely reporting improved from 75% in week 30 to 90% in week 31. Up to 94 districts achieved the 80% target of timeliness.

Disease Outbreaks

Cholera: No cholera cases were reported this week from Kasese or Arua districts. The outbreak in Arua tapered off with no cases reported since 24-07-2015 as shown in the epidemic curve for the 31 cases. The epidemic curve (**Figure 5**) points to a point source epidemic.

Measles: There was a 30% increase in the number of suspected cases of Measles reported. Twenty districts reported more than the threshold of 5 suspected but only 8 of these had ≥ 5 suspected cases reported from one sub-county. Mitooma, Ntungamo, Mbarara and Kyankwanzi reported 20 or more cases whereas Kabale, Kyegegwa, Wakiso, Kiruhura and Masaka reported 11-20 cases. Of the five samples collected and processed in week 30, three (60%) were measles positive by IgM and all the confirmed cases were from Kazo Town Council, thus confirming an outbreak.

Rubella: There have been continued surveillance efforts through laboratory confirmation among suspected cases of measles. Of the samples submitted from the different districts to UVRI laboratory in week 30, several districts confirmed outbreaks of Rubella, based on the measles case definition thresholds i.e. Mbarara (3 out of 6); Kiruhura (3 out of 5); Kapchorwa (4 out of 8); Kalangala (5 out of 5); Kibaale (3 out of 5); Sheema (5 out of 9); Bushenyi (3 out of 5). However, in some of the districts, the cases were not from the same sub-county or parish, further reducing the risk of person to person transmission.

Other priority diseases

AFP: Seven cases were reported as follows: Rakai (2), Adjumani (1), Amudat (1), Zombo (1), Tororo (1) and Namutumba (1).

Malaria: At national level, there was a 12% increase in Malaria cases in week 31. In the 10 districts with malaria outbreak, the number of new cases is gone up again (**Figure 6**). The malaria incidence in all districts was much higher in the year 2015 than 2014 and in 2015 the highest incidence was seen in Lamwo district.

Typhoid fever: Suspected Typhoid fever cases remain below alert threshold in all districts

Maternal deaths: From 12 health facilities, 15 maternal and 11 perinatal deaths were reported (**Table below**). However, due to the change from the former version of the reporting form in DHIS-2, there are still challenges in some facilities with wrong reporting about maternal death. At national level, a meeting has recognised this fact and is putting up measures to improve the system and support districts to verify this information before it is shared nationally.

District	Facility	Maternal Deaths	Perinatal Deaths
Amudat	AMUDAT General Hospital	1	0
Mbale	Kolonyi HC III	1	0
Kyenjojo	Midas Torch HC IV	1	2
Hoima	Hoima REGIONAL REF Hospital	2	4
Yumbe	Yumbe Hospital	1	0
Kasese	Rwesande HC IV	2	
Kasese	Buhaghura HC III	1	0
Wakiso	Buwambo HC IV	2	1
Arua	Arua REGIONAL REF HOSPITAL	1	2
Tororo	Sop-Sop HC II	1	0
Mubende	Mubende RR HOSPITAL	1	2
Ntungamo	Rubaare HC IV	1	0

International events:

MERS-CoV: In Saudi Arabia, 4 new cases, 1 death were reported by MOH, 12 Aug 2015. There have been a total of 1086 laboratory confirmed cases of MERS-CoV infection including 474 deaths, 588 recoveries and 24 currently active cases including 3 on home isolation <<http://wecanstopthis.moh.gov.sa/en>>

Ebola Outbreak in West Africa

There were 3 confirmed cases of Ebola virus disease (EVD) reported in the week to 9 August: 2 in Guinea and 1 in Sierra Leone. Of the 2 confirmed cases reported from Guinea, 1 arose from an unknown source of infection and 1 was a registered contact who was lost to follow-up. There have been a total of 27 929 reported confirmed, probable and suspected cases of EVD in Guinea, Liberia and Sierra, with 11 283 reported deaths. No new cases were reported from Liberia in the week to 9 Aug 2015. All contacts in Liberia (Tonkolili and Freetown) have now completed their 21-day follow-up period. There have been a total of 880 confirmed health worker infections reported from Guinea, Liberia, and Sierra Leone since the start of the outbreak, with 512 reported deaths.

Lassa fever in Nigeria: In week 31, 3 new cases of Lassa fever were reported with no death compared to 3 cases and 1 death in the same week in 2014. Cumulatively, from week 1 to 31 in 2015, 200 cases compared to 869 cases last year in a comparable period have been reported. Lassa fever is an endemic Viral Haemorrhagic Fever (VHF) transmitted by rodents, experienced in more than half the federal states of Nigeria. With a strong surveillance system, good case management and social mobilisation, the country hopes to significantly reduce the burden.

Undiagnosed Haemorrhagic Fever in Congo: A suspected case of VHF died in Kisangani General Hospital on 07-08-2015. Lab results are still awaited.

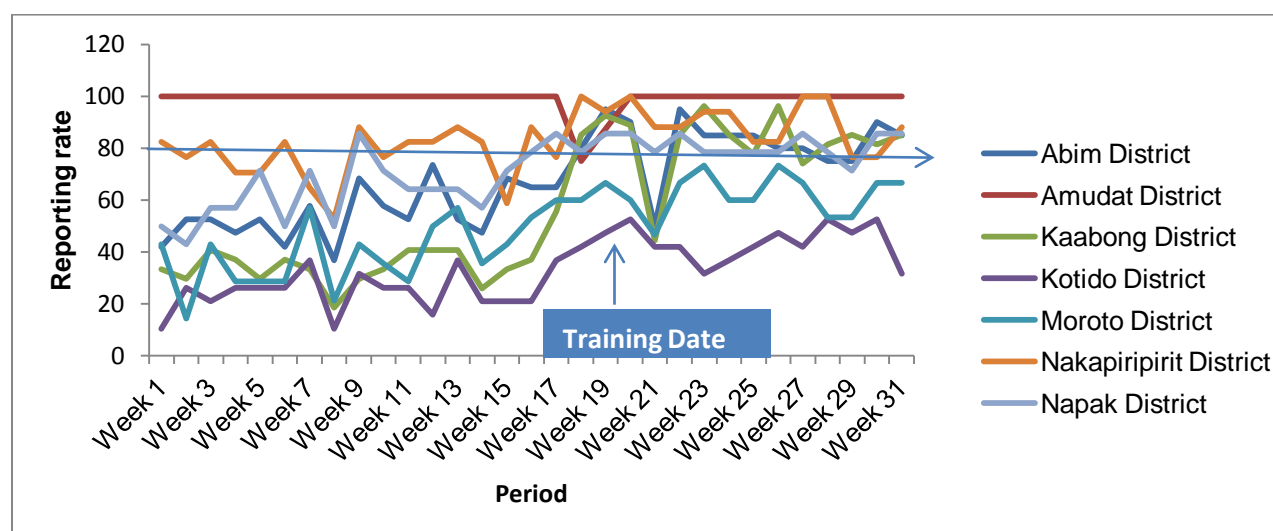


Figure 1: District performance by epidemiological week in Karamoja region (Cohort 1) before and after IDSR training

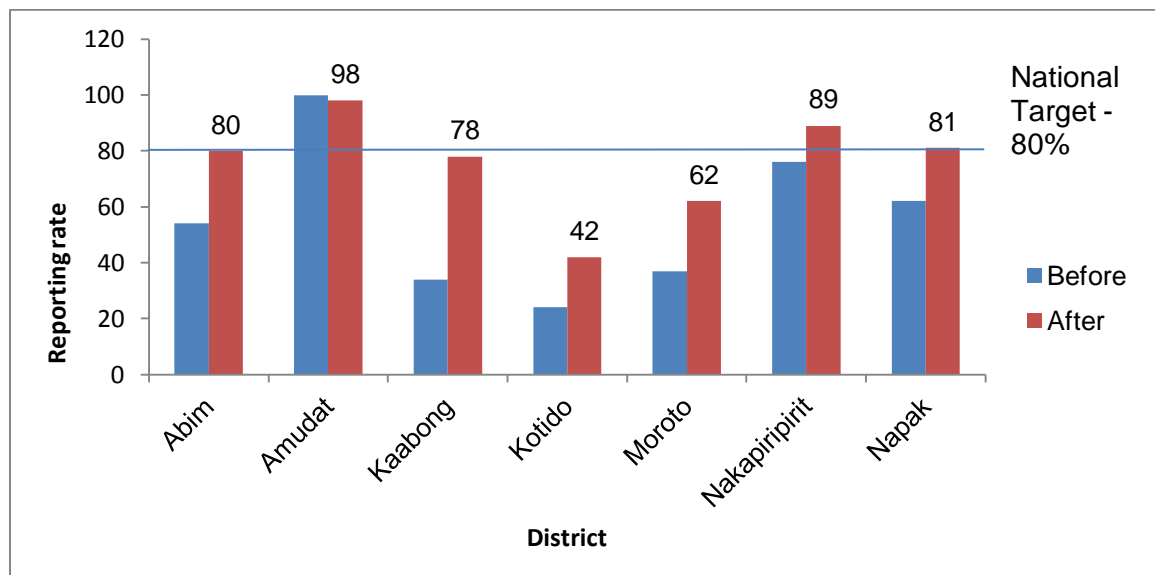


Figure 2: Average district performance in Karamoja region (Cohort 1) before and after IDSR training

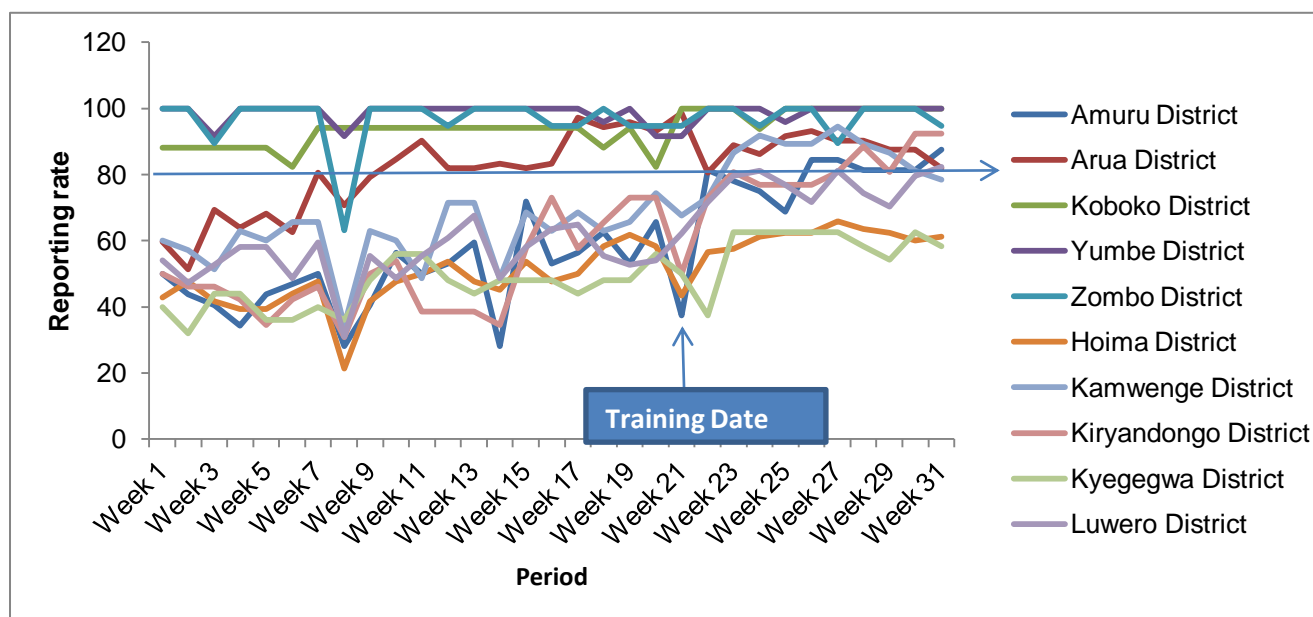


Figure 3: Reporting completeness of weekly data by districts (Cohort 2) by epidemiological week before and after IDSR training

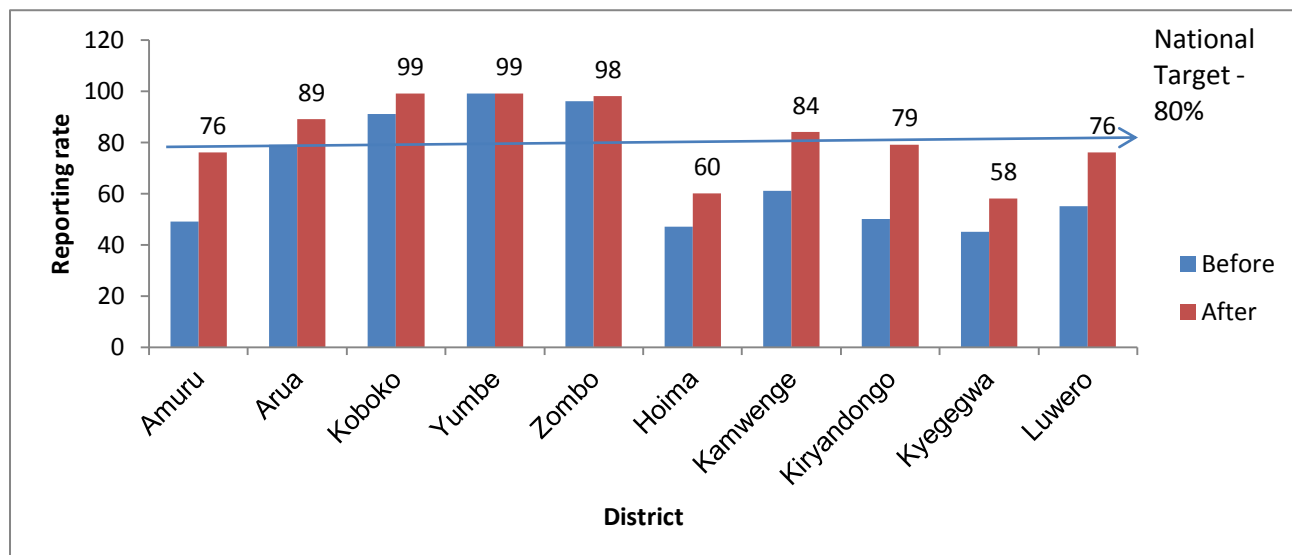


Figure 4: Average reporting completeness of weekly data by districts (Cohort 2) before and after IDSR training

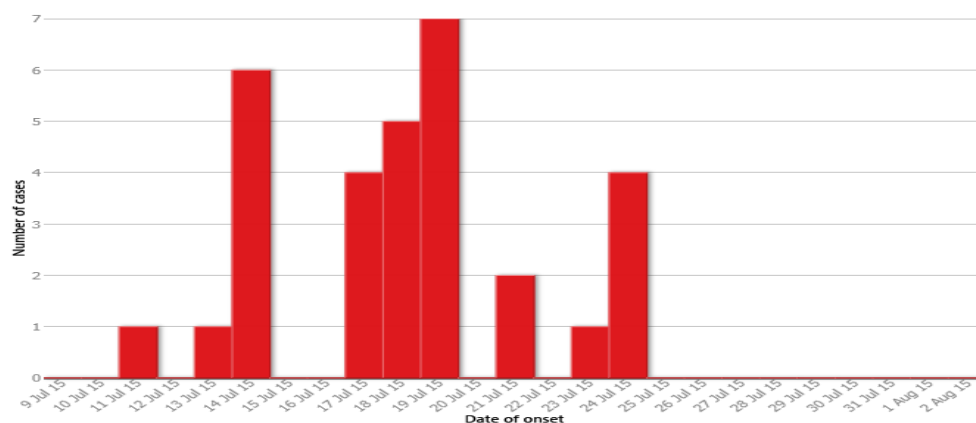


Figure 5: Epidemic curve showing number of Cholera cases in Arua district between 11th July and 11th August 2015

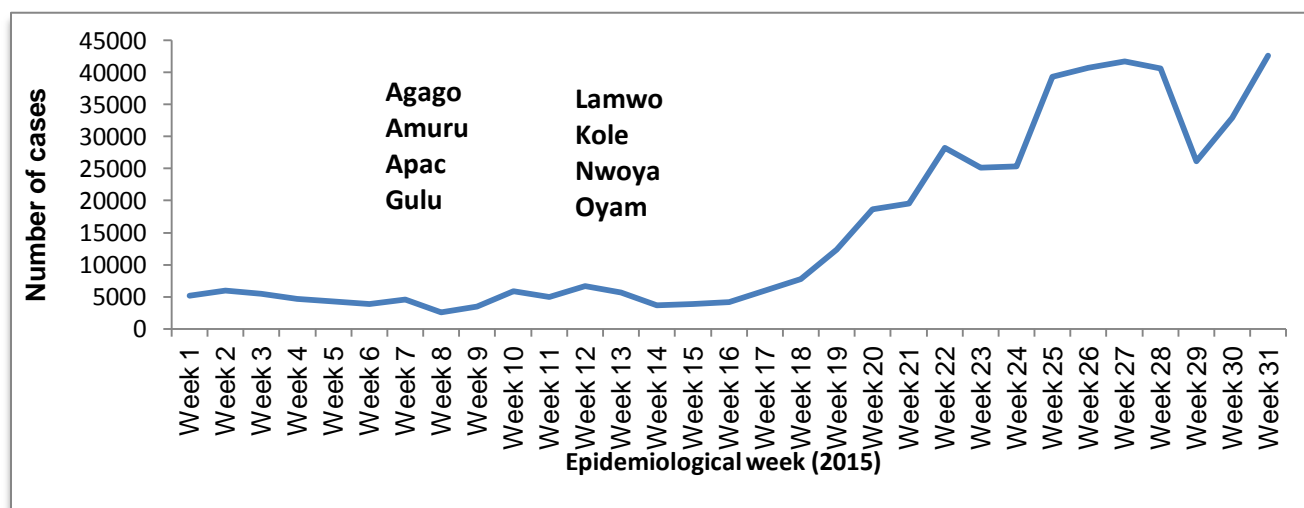


Figure 6: Malaria cases in 10 IRS intervention districts in Northern Uganda by epidemiological week; 2014-2015 (source: DHIS-2)

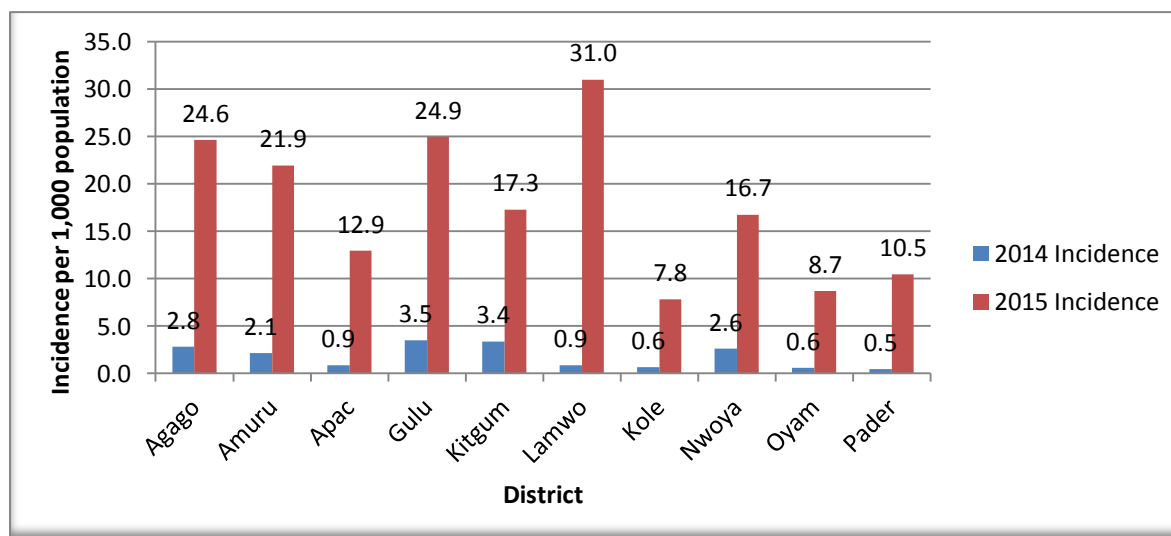


Figure 7: Comparison of incidence of malaria per 1,000 population in 10 outbreak districts in epidemiological week 31, 2014 and 2015

Editorial: Mr. J. Kissa, Dr.B. Masiira, Dr. M. Musenero, Mr. M. Mugagga, Dr. J. Wamala, Dr. I. Makumbi, Dr. R. Musoke, Dr. J. Sekajugo, Dr. F. Adatu, Dr. C. Okot, Dr. M. Nanyunja, Dr. I. Nabukenya

Founders: Dr. J. Kamugisha (RIP), Dr. J. Wanyana, Dr. M. Lamunu, Dr. C. Mugero, Dr. N Ndayimirigye, Mr. L. Luswa (RIP), Dr. N. Bakyaita, Mr. M. Mugagga

For comments please contact: The Epidemiological Surveillance Division- M.O.H; P.O BOX 7272 Kampala, Tel: 0414-340874/0414-345108; Email: esd@health.go.ug or esduganda@yahoo.co.uk

Summary table for epidemiological reports received for week ending 1st August 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	80	0	2	0	5	0	937	0	0	0	0	2
Adjumani	77	1	0	0	20	0	3610	0	0	0	0	7
Agago	85	0	0	0	28	0	5255	0	0	0	0	0
Alebtong	41	0	2	0	3	0	462	0	0	0	0	2
Amolatar	77	0	0	0	1	0	479	0	0	0	0	10
Amudat	100	0	1	0	2	0	214	1	0	0	0	0
Amuria	74	0	19	0	8	0	5185	0	0	0	0	3
Amuru	84	0	0	0	14	0	4602	0	0	0	0	0
Apac	92	0	2	0	0	0	4842(3)	1	0	0	0	1
Arua	74	0	3	0	82	0	3961(1)	1	2	0	0	51
Budaka	74	0	3	0	6	0	1620(1)	0	0	1	0	7
Bududa	87	0	2	0	8	0	1248(1)	0	0	0	0	8
Bugiri	54	0	1	0	5	0	2160	2	0	0	0	24
Buhweju	60	0	0	0	0	0	105	0	0	0	0	5
Buikwe	70	0	4	0	6	0	2205	3	0	0	0	41
Bukedea	24	0	0	0	1	0	212	0	0	0	0	0
Bukomansimbi	71	0	0	0	1	0	561	0	0	0	0	1
Bukwo	100	0	10	0	21	0	474	0	0	0	0	11
Bulambuli	79	0	0	0	0	0	1093	0	0	0	0	0
Buliisa	82	0	0	0	5	0	690	0	0	0	0	1
Bundibugyo	67	0	0	0	7	0	1978	0	0	0	0	7
Bushenyi	50	0	2	0	0	0	766(3)	0	0	0	0	44
Busia	83	0	5	0	12	0	6072(2)	0	0	0	0	66
Butaleja	79	0	4	0	9	0	2333	0	0	0	0	2
Butambala	96	0	3	0	1	0	1224	4	0	0	0	22
Buvuma	46	0	0	0	2	0	273	0	1	0	0	1
Buyende	64	0	0	0	0	0	953	0	0	0	0	1
Dokolo	88	0	3	0	1	0	1012(2)	0	0	0	0	1
Gomba	84	0	4	0	2	0	1110	0	0	0	0	0
Gulu	74	0	9	0	43	0	11031	0	0	0	0	76
Hoima	60	0	42	0	105	1	3942(4)	7	0	0	0	56
Ibanda	49	0	1	0	0	0	1255	0	0	0	0	14
Iganga	50	0	2	0	2	0	4116	0	0	0	0	0
Isingiro	66	0	1	0	1	0	2674(1)	0	0	0	0	19
Jinja	34	0	0	0	4	0	1879	0	0	0	0	18
Kaabong	78	0	9	0	26	0	2500	0	0	0	0	20
Kabale	80	0	3	0	0	0	329	16	0	0	0	0
Kabarole	80	0	13	0	2	0	3474(4)	4	1	0	0	16
Kaberamaido	56	0	3	0	14	0	2109	0	0	0	0	14
Kalangala	50	0	0	0	10	0	205(1)	2	0	0	0	8
Kaliro	33	0	0	0	0	0	876	0	0	0	0	25
Kalungu	37	0	0	0	0	0	703	1	0	0	0	0
Kampala	60	0	0	0	11	0	2723(2)	19	5	0	0	203
Kamuli	55	0	3	0	3	0	2596	0	0	0	0	5
Kamwenge	70	0	0	0	5	0	2609(2)	9	0	0	0	8

District	% of H/U reporting	AFP	Animal bite (Suspected Rabies)	Cholera	Dysentery	Guinea Worm	Malaria	Measles	Meningitis	NNT	Plague	Typhoid Fever
Kanungu	71	0	2	0	2	0	704	9	0	0	0	35
Kapchorwa	80	0	8	0	3	0	972(3)	0	0	0	0	5
Kasese	66	0	4	0	7	0	3445(1)	1	0	0	0	21
Katakwi	41	0	5	0	23	0	2284	0	0	0	0	0
Kayunga	88	0	3	0	8	0	1820(3)	1	0	0	0	9
Kibaale	53	0	1	0	7	0	1139	5	1	0	0	64
Kiboga	67	0	0	0	3	0	512	5	0	0	0	19
Kibuku	73	0	1	0	1	0	656	2	0	0	0	1
Kiruhura	64	0	0	0	0	0	1766	16	0	0	0	1
Kiryandongo	81	0	4	0	6	0	1788	0	0	0	0	5
Kisoro	90	0	0	0	0	0	219	0	0	0	0	6
Kitgum	71	0	0	0	15	0	3520(1)	0	0	0	0	39
Koboko	82	0	5	0	5	0	1828	0	0	0	0	12
Kole	92	0	1	0	1	0	1884	0	0	0	0	0
Kotido	26	0	0	0	46	0	887	0	0	0	0	53
Kumi	46	0	0	0	12	0	2784	0	0	0	0	47
Kween	94	0	0	0	1	0	544	0	0	0	0	3
Kyankwanzi	75	0	0	0	1	0	923	46	0	0	0	26
Kyegegwa	93	0	0	0	1	0	1022(1)	14	0	0	0	1
Kyenjojo	62	0	1	0	3	0	1790	8	1	0	0	18
Lamwo	86	0	1	0	2	0	4704	0	0	0	0	0
Lira	63	0	6	0	10	0	1799	2	0	0	0	11
Luuka	52	0	0	0	2	0	2000	0	0	0	0	0
Luwero	77	0	1	0	6	0	2846	9	0	0	0	93
Lwengo	29	0	0	0	2	0	748	0	0	0	0	15
Lyantonde	26	0	0	0	0	0	381	1	0	0	0	27
Manafwa	79	0	0	0	4	0	2363(1)	0	0	0	0	21
Maracha	100	0	2	0	7	0	1340	0	0	0	0	13
Masaka	68	0	1	0	3	0	1354(1)	15	0	0	0	21
Masindi	63	0	1	0	4	0	1432	0	0	0	0	12
Mayuge	57	0	0	0	5	0	3175	0	0	0	0	3
Mbale	85	0	1	0	2	0	1593	2	0	0	0	9
Mbarara	83	0	10	0	6	0	1642(1)	5	0	0	0	25
Mitooma	58	0	0	0	0	0	852	0	0	0	0	0
Mityana	37	0	2	0	1	0	1716	3	0	0	0	4
Moroto	64	0	4	0	5	0	697	0	0	0	0	0
Moyo	98	0	3	0	21	0	4294(1)	0	0	0	0	32
Mpigi	77	0	3	0	0	0	770	0	0	0	0	25
Mubende	21	0	6	0	5	0	1431	10	0	0	0	38
Mukono	60	0	3	0	15	0	1419	6	0	0	0	16
Nakapiripirit	77	1	0	0	21	0	1262(1)	0	0	0	0	15
Nakaseke	61	0	3	0	11	0	1153	10	1	0	0	29
Nakasongola	29	0	2	0	12	0	1207	1	0	0	0	9
Namayingo	19	0	0	0	21	0	483	1	0	0	0	0
Namutumba	56	1	1	0	6	0	1686	0	0	0	0	1
Napak	79	0	5	0	7	0	859	0	0	0	0	1
Nebbi	79	0	6	0	28	0	2638(1)	0	0	0	0	8
Ngora	75	0	1	0	4	0	1346(1)	0	0	0	0	1
Ntoroko	78	0	0	0	2	0	219	0	0	0	0	3

District	% of H/U reporting	AFP	Animal bite (Suspected Rabies)	Cholera	Dysentery	Guinea Worm	Malaria	Measles	Meningitis	NNT	Plague	Typhoid Fever
Ntungamo	41	0	0	0	0	0	656(1)	0	0	0	0	0
Nwoya	95	0	0	0	0	0	1993	0	0	0	0	0
Otuke	77	0	0	0	2	0	538	0	0	0	0	1
Oyam	82	0	10	0	11	0	3533(1)	0	0	0	0	5
Pader	22	0	2	0	7	0	1247	0	0	0	0	0
Pallisa	82	0	0	0	5	0	2102(3)	3	0	0	0	2
Rakai	32	2	2	0	1	0	1664	9	0	0	0	14
Rubirizi	94	0	0	0	1	0	647	0	0	0	0	22
Rukungiri	71	0	8	0	0	0	1489	30	0	0	0	5
Sembabule	50	0	5	0	7	0	1210(1)	0	0	0	0	56
Serere	77	0	2	0	6	0	1777	0	0	0	0	0
Sheema	85	0	6	0	0	0	1175(1)	32	0	0	0	2
Sironko	90	0	0	0	3	0	2010	0	0	0	0	0
Soroti	43	0	9	0	6	0	3527(2)	0	0	0	0	40
Tororo	66	1	5	0	4	0	3449	0	0	0	0	5
Wakiso	54	0	6	0	14	0	4031	16	0	0	0	89
Yumbe	96	0	3	0	21	0	3039(1)	0	0	0	0	7
Zombo	95	1	3	0	9	0	808	0	0	0	0	1
National	68	7 (0)	314 (0)	0	930 (0)	0	211448 (58)	332 (0)	12 (0)	1(0)	0	1846 (0)

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

HU= Health Units, AFP=Acute Flaccid Paralysis, NNT=Neonatal Tetanus

Compiled by the Epidemiological Surveillance Division, Ministry of Health