



Ministry of Health Uganda

Weekly Epidemiological Bulletin

Epidemiological week 32 of 2015 [2nd – 8th Aug 2015]

Highlights of the week

- VHT reporting in 8 central districts
- IDSR training effect on weekly data completeness

Summary Table

Indicator	Week 31 2015	Week 32 2015
% Districts	100	100
Ave % HU	68	64
% Timely reports	90	80
AFP	7(0)	5 (0)
Rabies	314 (0)	355 (1)
Cholera	0	0
Dysentery	930 (0)	849 (0)
Guinea Worm	0	0
Malaria	211448 (58)	215414 (49)
Measles	332 (0)	222 (0)
Meningitis	12 (0)	8 (0)
NNT	1 (0)	2 (0)
Plague	0	0
Typhoid	1846 (0)	1961 (1)

Completeness of Reporting

The percentage of districts that reported this week was 100%. Reporting rate from health facilities reduced from 68% in week 31 to 64% in week 32 (**Figure 1**). Thirty six districts (32%) achieved the reporting target of ≥80% compared to 30% in week 31. Dokolo, Amudat and Bukwo districts achieved 100% reporting. The effect of IDSR training on reporting completeness shows a general increase; Pader has 59.4% (19/32) and Kampala has 55% (97/176) health facilities reporting.

Timeliness

The average timeliness in reporting was 80%; and 62 districts achieved the timely reporting target of ≥80% compared to 94 districts in week 31.

To further support the surveillance system, village Health Teams (VHTs) are expected to report various disease events and conditions. As piloted in 8 districts, the number of trained and active VHTs was compared with the reporting rate, which is still low (**Figure 2**) although timely (**Figure 3**). This is important to increase the sensitivity of the health facility based system

Disease Outbreaks

Cholera: No cholera cases were reported this week from Kasese or Arua districts. Arua district has continued with some health messages on radio to ensure that no new cases are missed.

Measles: There was a 30% decrease in the number of suspected cases of Measles reported, and 18 districts were above the alert threshold of 5 suspected cases. Twenty districts reported more than the threshold of 5 suspected but only 8 of these had ≥5 suspected cases reported from one sub-county. Cases above 10 were reported in Kampala (22 cases), Mbarara (17 cases), Kyegegwa (16 cases), Nakaseke (14 cases), Luweero (13 cases), Kamwenge (12), Rukungiri (12 cases) and Sheema (11 cases).

Other priority diseases

AFP: Four cases in Kumi district and 1 case in Oyam district were reported. Budaka, Buvuma, Manafwa, Mitooma, Namayingo, Napak and Otuke districts have not yet reported a case of AFP in 2015. The Non-polio AFP rate is 1.97/100,000 among children 0 – 14 years compared to 1.76/100,000 children for the corresponding week of 2014. The adequate samples collection rate is 87.4% compared to 85.3% for the corresponding week of 2014. NPENT rate is 14.0% compared to 15.4% for the corresponding week of 2014. 15 AFP cases were reported and investigated during week 32 by the following districts: two cases in Namutumba, Sironko and Tororo; and one case each in Kaabong, Kabale, Zombo, Adjumani, Kibuku, Kotido, Maracha, Oyam and Pallisa.

Malaria: At national level, there was a 6% increase in Malaria cases in week 32, although deaths reduced from 58 to 49. In the 10 districts with malaria outbreak, there was a slight reduction in number of cases (**Figure 4**) to a total of 39917 in week 32 compared to 42607 in week 31. The number of health units in districts with stock out of artemisinin combination therapy (ACTs) has reduced in some of the districts, but Rubirizi was the most affected (**Figure 5**). Analysis of the malaria channels for the other districts shows that all the districts are still getting the expected number of cases (no upsurges or outbreak).

Neonatal tetanus: One case each was reported in Kampala and Kumi districts.

Maternal deaths: Eight maternal and 12 perinatal deaths were reported in 8 health facilities i.e. 7 hospitals and 1 HC III in 8 districts (Table 1). Six of these facilities have submitted death audit reports.

Typhoid fever: Suspected typhoid fever cases were reported in 91 districts, with high numbers above the alert threshold (20 cases in a week) were 29, including Kampala (306 cases).

Influenza: Out of 6 samples collected and processed by Makerere University Walter Reed Project, only 1 was Influenza A positive.

Table 1: Maternal and perinatal deaths reported in week 32 by different health facilities

District	Health Facility	Maternal Deaths	Perinatal Deaths
Adjumani	Adjumani Hospital	1	2
Kampala	Mulago National Referral Hospital	1	3
Mpigi	Nkozi Hospital	1	0
Kasese	Nyabirongo HC III	1	0
Kayunga	Kayunga Hospital	1	2
Kasese	Kagando Hospital	1	2
Ibanda	Ibanda Hospital	1	2
Kamuli	Kamuli Mission Hospital	1	1

International events:

MERS-CoV: In Saudi Arabia, 2 new cases, no death were reported by MOH, 17 Aug 2015. There have been a total of 1087 laboratory confirmed cases of MERS-CoV infection including 474 deaths, 588 recoveries and 24 currently active cases including 2 on home isolation <<http://wecanstopthis.moh.gov.sa/en>>

Undiagnosed Haemorrhagic Fever in Congo: Laboratory results from a suspected case of VHF from Kisangani General Hospital on 07-08-2015 indicated that the case was negative for Ebola and Marburg VHF.

District level performance:

Based on several performance indicators in the DHIS-2 system, considering reporting rates, timeliness in reporting, submission of verified epidemiological data, monthly reporting and other indices, the top five and bottom three districts by region were generated as part of feedback (**Table 2**).

Table 2: Performance of districts in DHIS-2 indicators showing the top five and bottom three districts by region

	Central	Western	Northern	Eastern
TOP	Luwero	Rukungiri	Koboko	Pallisa
	Kayunga	Mbarara	Amuru	Sironko
	Buikwe	Isingiro	Lamwo	Tororo
	Mayuge	Hoima	Yumbe	Bukwo
	Gomba	Kamwenge	Zombo	Busia
BOTTOM	Kiboga	Bundibugyo	Kotido	Kween
	Kaliro	Ntoroko	Abim	Katakwi
	Bukomansimbi	Sembabule	Alebtong	Bududa

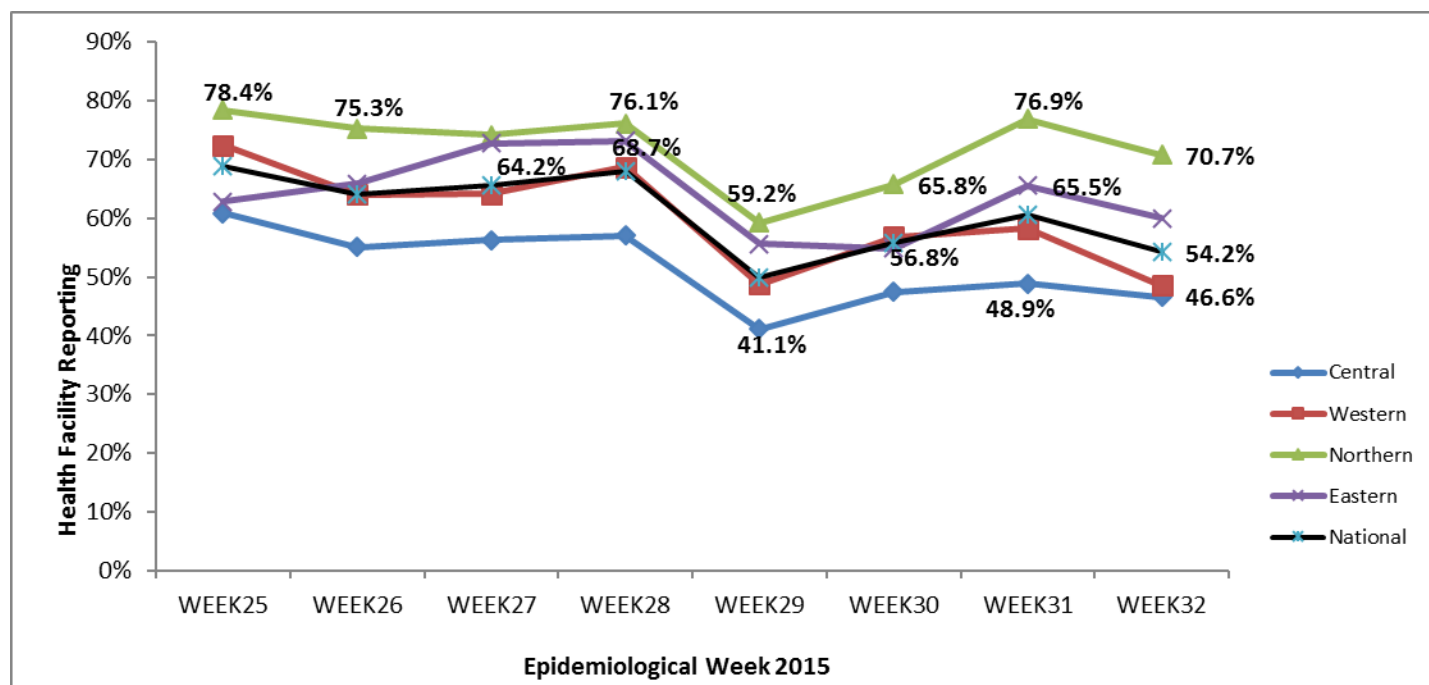


Figure 1: Completeness of weekly epidemiological reporting by region in week 32, 2015. Districts in the central region have the lowest level of completeness in reporting, while the northern region districts still lead.

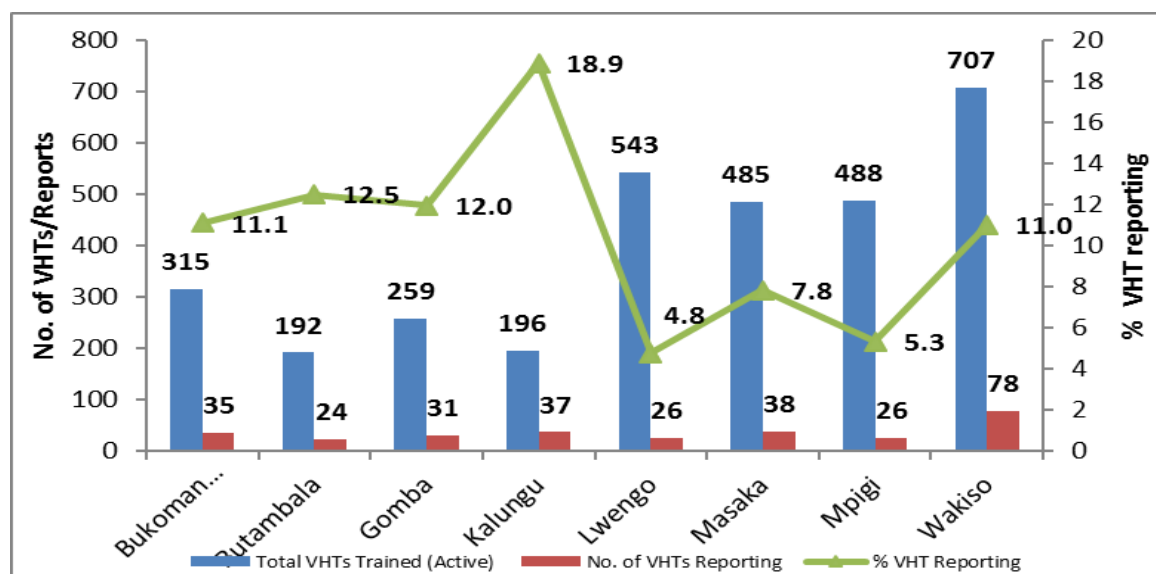


Figure 2: Number of VHT reports received from the trained and active VHTs in 8 central region districts. The proportion of VHT reports got is highest in Kalungu (19%)

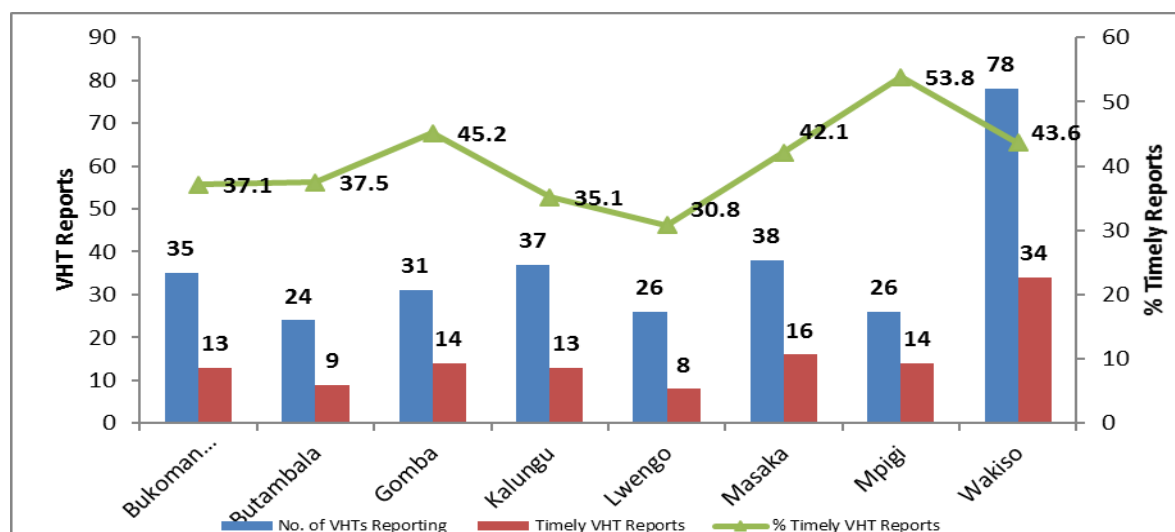


Figure 3: Proportion of timely VHT reports from 8 central region districts. Although few, the proportion of timely reports is higher in Mpigi (54%) and Gomba (45%)

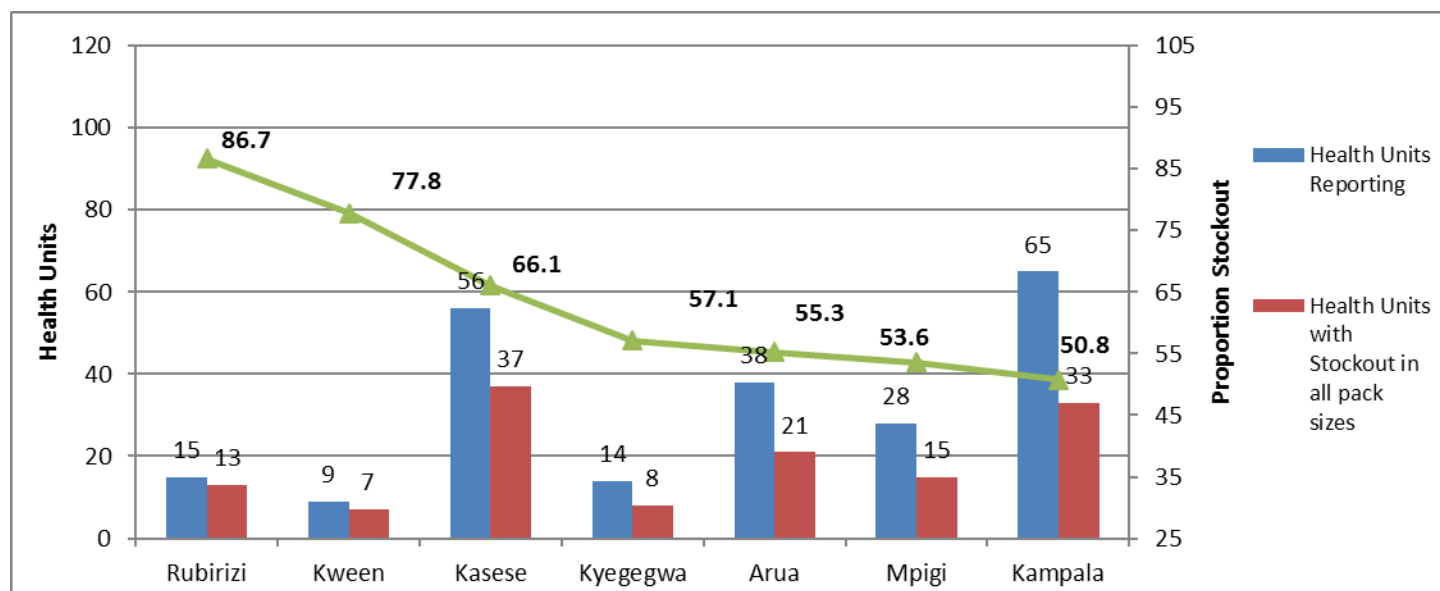


Figure 4: Districts with the highest proportions health facilities with antimalarial stock outs in all pack sizes. Rubirizi (87%) followed by Kween (78%) had the highest percentage among the seven districts

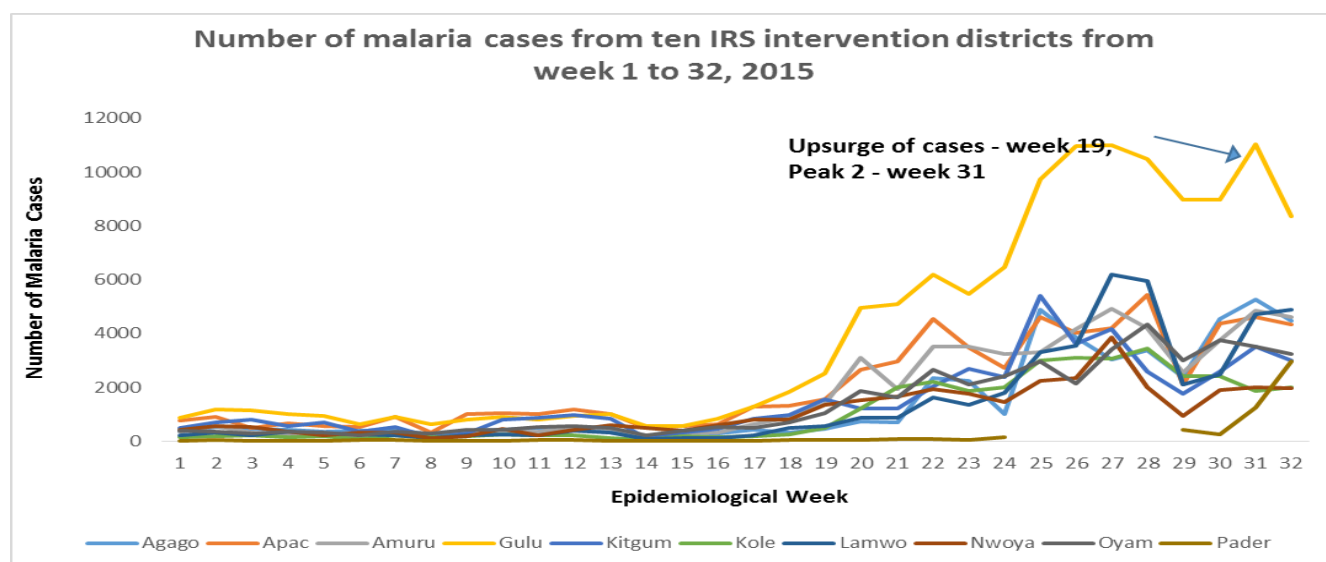


Figure 5: Malaria cases reported by epidemiological week from the 10 former IRS districts in Northern Uganda. Gulu has had the highest number of cases, but most districts has another peak in week 31

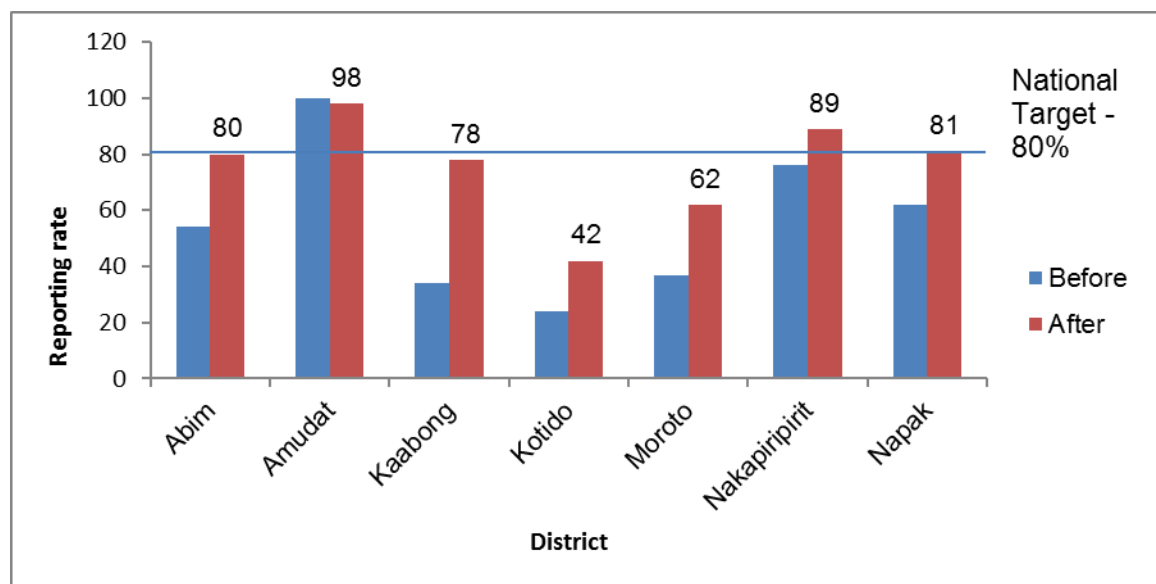


Figure 6: Average district performance in Karamoja region (Cohort 1) before and after IDSR training. There is a general improvement in reporting completeness before and after the IDSR training although Moroto and Kotido have not achieved the 80% national target.

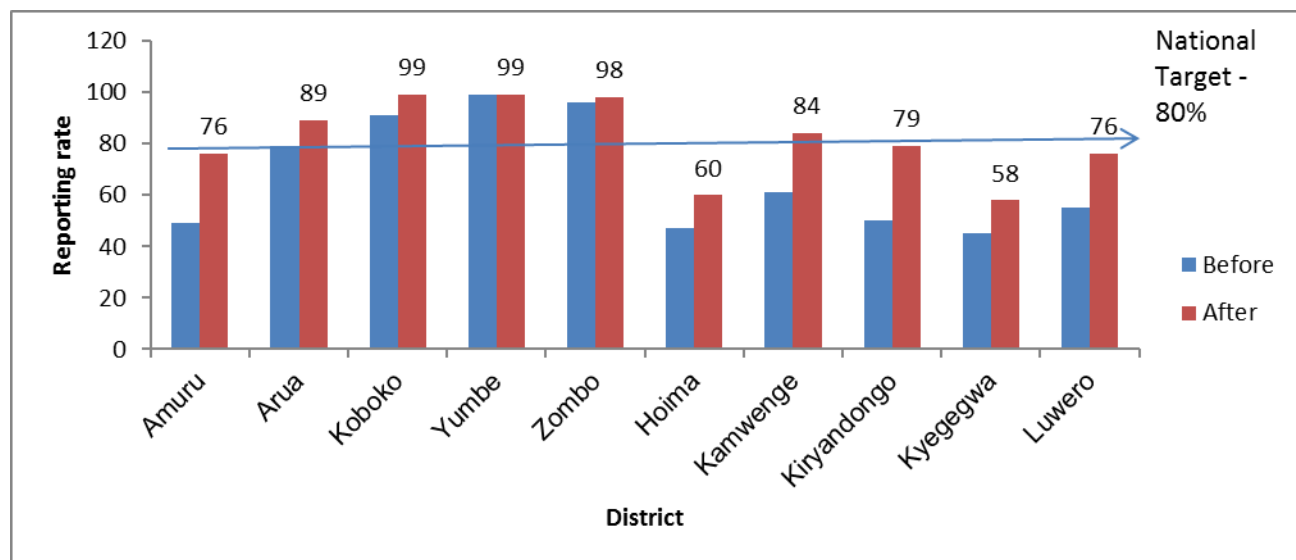


Figure 7: Average reporting completeness of weekly data by districts (Cohort 2) before and after IDSR training. Amuru, Hoima, Kyegegwa and Luwero have not achieved the 80% national target, but have showed improvement.

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Summary table for epidemiological reports received for week ending 8th 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	Rabn	0	7	0	1249	22	0	0	0	2
Adjumani	89	0	0	0	39	0	3736(2)	0	0	0	0	9
Agago	82	0	4	0	24	0	4469	2	0	0	0	0
Alebtong	24	0	0	0	0	0	241	13	0	0	0	0
Amolatar	85	0	4	0	1	0	471	9	0	0	0	4
Amudat	100	0	0	0	10	0	859(1)	0	0	0	0	6
Amuria	77	0	1	0	9	0	5550	0	0	0	0	5
Amuru	84	0	16	0	12	0	4632	1	0	0	0	0
Apac	89	0	1	0	0	0	4348(2)	0	0	0	0	1
Arua	75	0	1	0	26	0	3789(2)	2	0	0	0	35
Budaka	84	0	5	0	5	0	1949	2	0	0	0	3
Bududa	80	0	0	0	4	0	1468(1)	3	0	0	0	11
Bugiri	44	0	3	0	10	0	1445	7	1	0	0	12
Buhweju	53	0	0	0	0	0	135	14	1	0	0	6
Buikwe	77	0	0	0	8	0	1962	0	0	0	0	49
Bukedea	24	0	4	0	0	0	729	0	0	0	0	0
Bukomansimbi	59	0	0	0	0	0	584	1	0	0	0	3
Bukwo	100	0	0	0	23	0	738	0	0	0	0	19
Bulambuli	63	0	8	0	1	0	1059	9	0	0	0	1
Buliisa	64	0	5	0	6	0	575	3	0	0	0	1
Bundibugyo	73	0	0	0	12	0	2116	17	0	0	0	21
Bushenyi	58	0	1	0	0	0	1173(1)	0	1	0	0	57
Busia	86	0	3	0	12	0	5555	1	0	0	0	50
Butaleja	79	0	3	0	13	0	1726	6	0	0	0	4
Butambala	91	0	1	0	2	0	865	0	0	0	0	15
Buvuma	46	0	1	0	2	0	201	0	1	0	0	0
Buyende	59	0	1	0	6	0	1023(1)	0	0	0	0	2
Dokolo	100	0	0	0	1	0	826	0	0	0	0	2
Gomba	90	0	2	0	2	0	1137	3	0	0	0	3
Gulu	67	0	0	0	48	0	8368(1)	0	1	0	0	60
Hoima	52	0	6	0	35	1	3266	1	0	0	0	35
Ibanda	34	0	5	0	0	0	845(2)	0	0	0	0	0
Iganga	48	0	4	0	3	0	4389(1)	6	0	0	0	0
Isingiro	68	0	3	0	4	0	2194(1)	1	0	0	0	39
Jinja	37	0	0	0	4	0	1959(3)	1	0	0	0	50
Kaabong	63	0	0	0	21	0	2439	0	0	0	0	12
Kabale	80	0	13	0	0	0	335	1	0	0	0	0
Kabarole	72	0	7	0	8	0	3179(2)	6	0	0	0	33
Kaberamaido	48	0	3	0	11	0	1669	0	0	0	0	11
Kalangala	75	0	4	0	15	0	215	0	0	0	0	4
Kaliro	52	0	1	0	0	0	1839	0	0	0	0	1
Kalungu	26	0	0	0	0	0	430	0	0	0	0	18
Kampala	55	0	0	0	38	0	3284(1)	0	1	1	0	306
Kamuli	59	0	35	0	2	0	5469(2)	0	0	0	0	11
Kamwenge	78	0	2	0	4	0	2608	0	0	0	0	3
Kanungu	71	0	0	0	2	0	736	4	0	0	0	48

District	% of H/U reporting	AFP	Animal bite (Suspected Rabies)	Cholera	Dysentery	Guinea Worm	Malaria	Measles	Meningitis	NNT	Plague	Typhoid Fever
Kapchorwa	85	0	4	0	21	0	1359	0	0	0	0	0
Kasese	73	0	0	0	13	0	3511(2)	0	0	0	0	28
Katakwi	26	0	3	0	1	0	1535	0	0	0	0	0
Kayunga	72	0	0	0	5	0	1886(3)	0	0	0	0	13
Kibaale	55	0	1	0	3	0	997	3	0	0	0	90
Kiboga	42	0	0	0	2	0	366	0	0	0	0	7
Kibuku	73	0	0	0	5	0	740	0	0	0	0	1
Kiruhura	64	0	1	0	0	0	1629	0	0	0	0	0
Kiryandongo	73	0	2	0	4	0	1563	2	0	0	0	6
Kisoro	92	0	2	0	0	0	268	0	0	0	0	3
Kitgum	76	0	1	0	14	0	3009	0	0	0	0	23
Koboko	94	0	5	0	4	0	2214(1)	0	0	0	0	8
Kole	92	0	3	0	0	0	2015	0	0	0	0	0
Kotido	53	0	1	0	28	0	1749	12	0	0	0	92
Kumi	57	4	0	0	7	0	2252	0	0	1	0	56
Kween	89	0	3	0	4	0	567(2)	0	0	0	0	4
Kyankwanzi	71	0	1	0	0	0	726	0	0	0	0	10
Kyegegwa	93	0	0	0	0	0	913	0	0	0	0	0
Kyenjojo	73	0	0	0	0	0	2080(1)	7	0	0	0	18
Lamwo	86	0	3	0	0	0	4895	0	0	0	0	0
Lira	59	0	0	0	4	0	1549(1)	0	0	0	0	2
Luuka	52	0	4	0	0	0	2394	0	0	0	0	0
Luwero	74	0	0	0	5	0	2109	0	0	0	0	77
Lwengo	32	0	9	0	1	0	722	12	0	0	0	20
Lyantonde	26	0	0	0	6	0	338	0	0	0	0	37
Manafwa	88	0	0	0	4	0	2420	0	0	0	0	10
Maracha	93	0	1	0	8	0	1252	0	0	0	0	1
Masaka	48	0	0	0	2	0	668	0	0	0	0	1
Masindi	76	0	0	0	1	0	1642	0	0	0	0	18
Mayuge	57	0	5	0	10	0	3666	0	0	0	0	2
Mbale	74	0	0	0	2	0	1645(3)	0	0	0	0	2
Mbarara	85	0	1	0	2	0	1598(1)	1	0	0	0	29
Mitooma	71	0	12	0	0	0	1646	0	0	0	0	5
Mityana	47	0	0	0	5	0	1885	0	0	0	0	1
Moroto	71	0	9	0	11	0	1327(1)	0	0	0	0	11
Moyo	98	0	10	0	18	0	3767	0	0	0	0	40
Mpigi	64	0	10	0	2	0	943	0	0	0	0	26
Mubende	16	0	0	0	4	0	303(1)	0	0	0	0	25
Mukono	56	0	8	0	10	0	1557	0	0	0	0	8
Nakapiripirit	88	0	3	0	30	0	2509	0	0	0	0	12
Nakaseke	43	0	0	0	13	0	1005	7	0	0	0	41
Nakasongola	31	0	2	0	37	0	1053	5	0	0	0	13
Namayingo	28	0	3	0	7	0	1206	0	0	0	0	2
Namutumba	62	0	0	0	4	0	2265	0	0	0	0	3
Napak	71	0	1	0	2	0	1522	0	2	0	0	0
Nebbi	79	0	18	0	24	0	2499(3)	0	0	0	0	9
Ngora	92	0	12	0	3	0	3545	0	0	0	0	0
Ntoroko	67	0	3	0	2	0	178	0	0	0	0	1
Ntungamo	50	0	0	0	0	0	971	0	0	0	0	1

District	% of H/U reporting	AFP	Animal bite (Suspected Rabies)	Cholera	Dysentery	Guinea Worm	Malaria	Measles	Meningitis	NNT	Plague	Typhoid Fever
Nwoya	95	0	3	0	1	0	1987	2	0	0	0	0
Otuke	92	0	0	0	5	0	530	0	0	0	0	0
Oyam	89	1	3	0	4	0	3230	0	0	0	0	9
Pader	59	0	13	0	11	0	2964(1)	3	0	0	0	6
Pallisa	82	0	2	0	6	0	2943(4)	0	0	0	0	14
Rakai	29	0	5	0	3	0	1641	0	0	0	0	9
Rubirizi	88	0	2	0	0	0	495	5	0	0	0	22
Rukungiri	81	0	0	0	0	0	1680	0	0	0	0	6
Sembabule	46	0	4	0	5	0	953	16	0	0	0	62
Serere	73	0	1	0	4	0	1613(2)	0	0	0	0	1
Sheema	77	0	2	0	0	0	1036	0	0	0	0	0
Sironko	86	0	6	0	5	0	2279	0	0	0	0	0
Soroti	46	0	0	0	5	0	3721	0	0	0	0	24
Tororo	72	0	5	0	10	0	3317	0	0	0	0	19
Wakiso	48	0	15	0	6	0	2869	0	0	0	0	69
Yumbe	88	0	2	0	16	0	2982	11	0	0	0	9
Zombo	90	0	4	0	10	0	882	1	0	0	0	3
National	64	5 (0)	355 (0)	0	849 (0)	0	215414 (49)	332 (0)	12 (0)	2 (0)	0	1961 (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