



# Ministry of Health Uganda

## Weekly Epidemiological Bulletin

Epidemiological week 39 of 2015 [21<sup>st</sup> – 27<sup>th</sup> Sep 2015]

### Highlights of the week

- Cholera outbreak in Hoima District
- Mumps outbreak in Kampala school

### Disease Outbreaks

### Summary Table

Indicator	Week 38 2015	Week 39 2015
% Districts	100	100
Ave % HU	49	62
% Timely reports	*	*
AFP	1 (0)	4 (0)
Animal bites	183 (0)	251 (0)
Cholera	0	0
Dysentery	558 (1)	800 (1)
Guinea Worm	0	0
Malaria	113350 (27)	142869 (23)
Measles	135 (0)	133 (1)
Meningitis	3 (1)	16 (3)
NNT	2 (0)	1 (1)
Plague	0 (0)	1 (0)
Typhoid	1090 (1)	1462 (2)

\*Indicator not provided

### Completeness of Reporting

All districts reported in week 39, with average reporting at 62% completeness compared to 49% in week 38. At least 29 districts (26%) achieved the national target of ≥80% of the health facilities reporting completeness. Five districts, Amudat, Yumbe, Kole, Maracha and Dokolo achieved 100% reporting whereas Buvuma (9.1%) and Mubende (6.5%) had less than 10% reporting.

### Cholera in Hoima District:

A suspected outbreak was reported on 2/10/2015 to the DHO's office from Nkondo village, Nkodo Parish, Kabwoya Sub-county in Hoima District. The Index case was a 63 year old woman who developed severe diarrhea, vomiting and general body weakness on 29<sup>th</sup>/09/2015 in Nkondo II. She is reported to have had visitors from Kyomya in Democratic Republic of Congo where there is an outbreak of cholera/dysentery. By 9<sup>th</sup> September, total of 58 suspected cases were treated at the treatment centre (Nkondo Catholic Church). The average age of patients was 14.3 years; 38 patients were aged 5 years or below (Figure 1, 2, 3). Four of 6 samples processed at CPHL were culture positive for *Vibrio cholerae* 01 Inaba.

**Actions:** 12 more samples have been collected and sent to CPHL for processing; a national rapid response team is already working with the district; to support outbreak response; medical supplies were taken to the CTC.

**Unknown illness in Buliisa & Hoima districts:** On 23<sup>rd</sup> September 2015, the Ministry of Health responded to an alert of suspected haemorrhagic fever in Buliisa and Hoima districts. Using the **Case definition:** Any person vomiting blood, and or bloody diarrhoea, abdominal pain, fever starting 1<sup>st</sup> August, 11 incident cases (8 deaths; 73% Case Fatality Rate) have been identified (September & October). Retrospective cases from record reviews at Hoima RRH & Buliisa HC IV indicate 27 cases (5 deaths, some missing outcome). Blood samples submitted to UVRI have tested negative for Ebola, Marburg, RVF and CCHF. As of 8<sup>th</sup> October, there were no new cases; 2 cases still on admission; one male 45 years is stable and improving while another 17 years male was vomiting blood.

**Actions:** Radio presentation on Spice FM by District leadership in Lunyoro; National RRT in the districts; case-control study planned; alcohol consumption is high – sachets collected for analysis.

**Malaria:** Malaria cases increased in similar proportion to the increase in reporting level. The cases in the 10 outbreak districts in Northern Uganda are still above normal channels and pre-epidemic levels (**Figure 5**) and no district has managed to contain the outbreak. Only Kole district (100%) achieved the reporting target of ≥80%.

**Mumps in Kampala:** By 7<sup>th</sup> September, mumps cases were reported in children in a nursery school in Kampala District. Cases presented with fever, headache and swollen mandibular and maxillary lymph nodes. From 21<sup>st</sup> - 27<sup>th</sup> September, 8 cases were identified and 28<sup>th</sup> September - 4<sup>th</sup> October, another 12 cases were identified and isolated. Cases were clustering in the same class: 'Middle Bright'.

**Actions:** Health education to the teachers, pupils & parents; isolation of the sick children at home; advised to immunize the children at risk.

## Other priority diseases

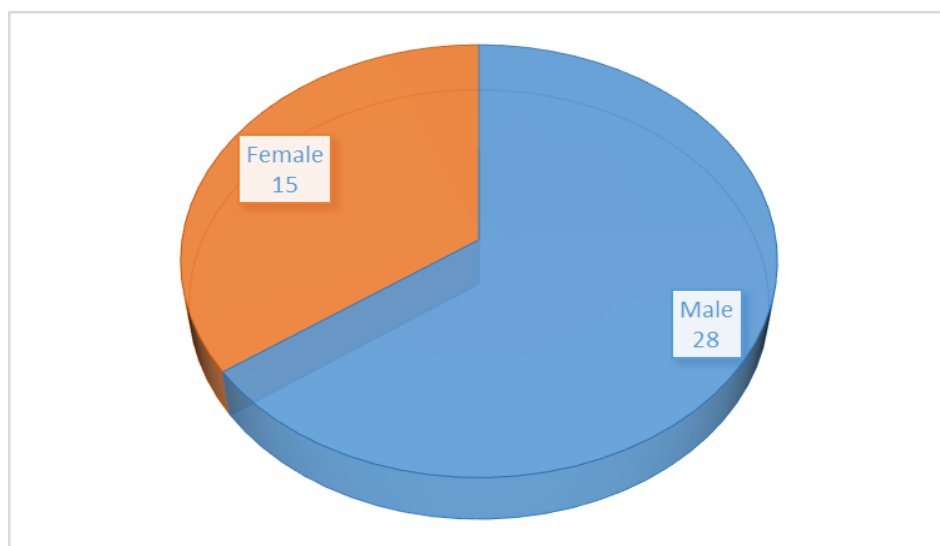
**AFP:** From the weekly report, 4 cases were reported but UVRI report indicates 12 AFP cases investigated by the districts in week 39. The cases were from Gulu, Rukungiri, Mityana, Kumi, Mpigi, Kibuku, Mubende, Nakapiripirt, and Ntoroko districts. The Non-polio AFP rate is 2.45/100,000 children aged 0 – 14 years compared to Non-polio AFP rate of 2.16/100,000 for the corresponding week of 2014.

**Typhoid fever:** Up to 27 districts reported twenty or more typhoid cases. Kampala city reported 191 cases, which was the highest number of suspected typhoid cases.

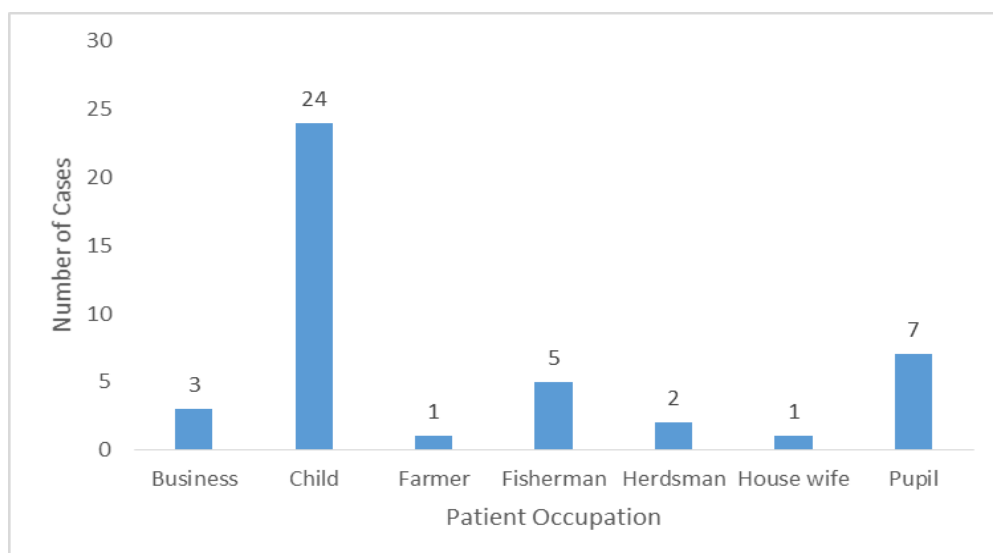
**Measles:** The number of suspected measles cases reported almost the same in week 39 as in week 38. Eleven districts reported 5 or more suspected cases. The mass measles vaccination campaign was concluded in all districts, with Wakiso and Kampala extending for one more day. Kamwenge had the highest number of cases compared to other districts (**Figure 6**).

## Ebola VHF in West Africa

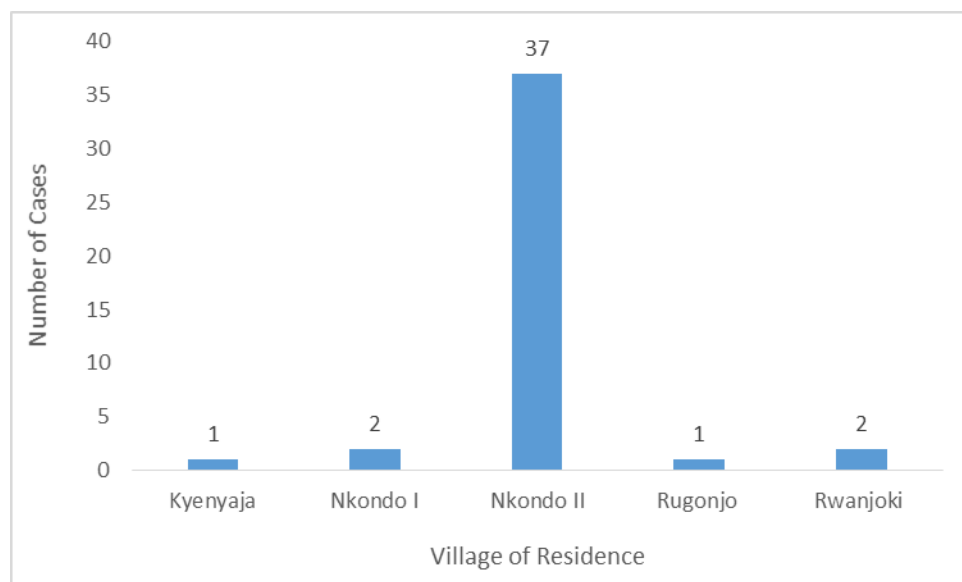
Four cases of Ebola VD and some contacts are under follow up in Guinea. In Sierra Leone, the last case died on 12<sup>th</sup> September, so the countdown to 42 days of follow up is ongoing before declaring the outbreak contained.



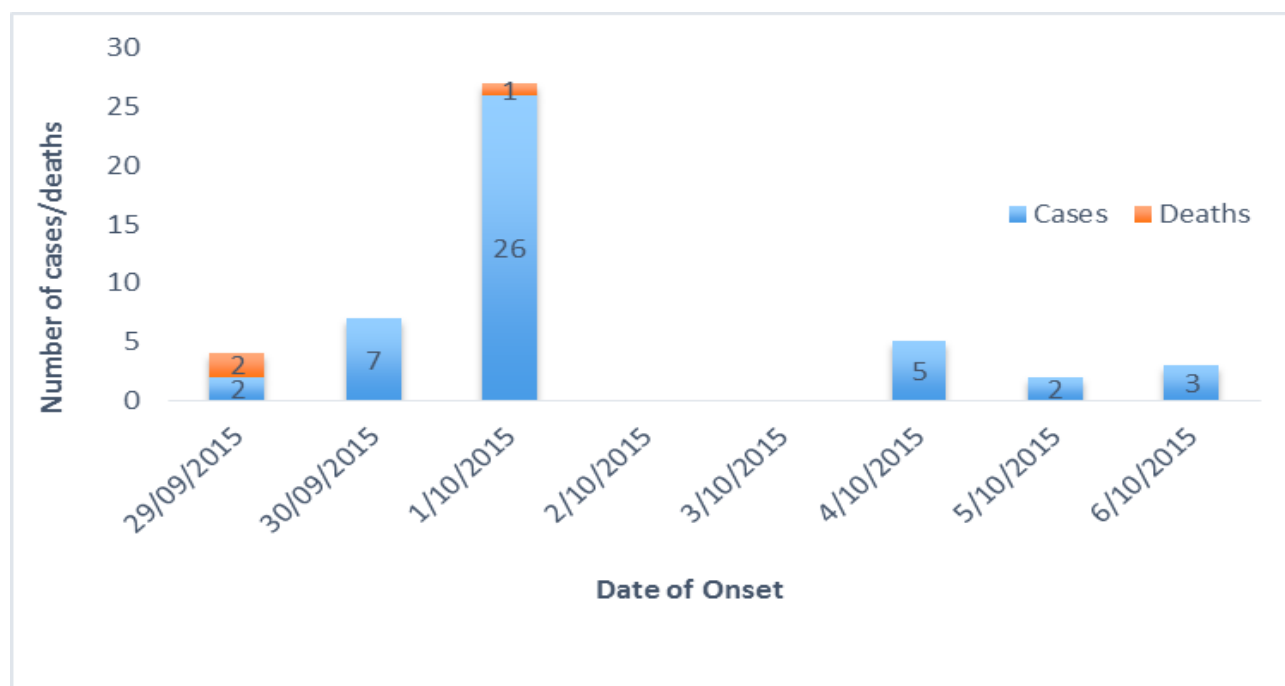
**Figure 1: Suspected Cholera cases in Kabwoya Sub-county, Hoima District by sex.** More males than females are affected.



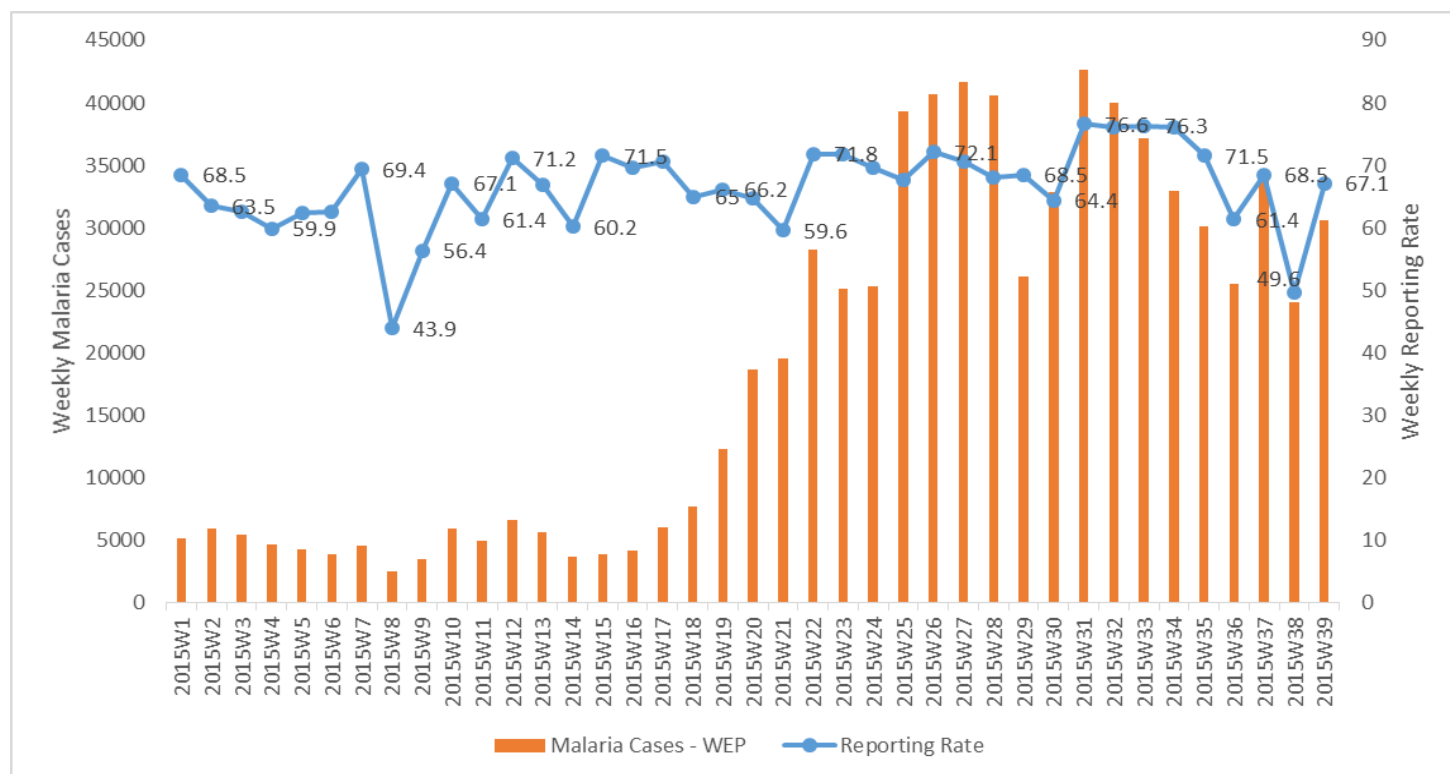
**Figure 2: Suspected Cholera cases in Hoima District by occupation.** Children less than five years and pupils are the most affected (Average age is 14 years, minimum 0.5 years and 67 years as maximum age).



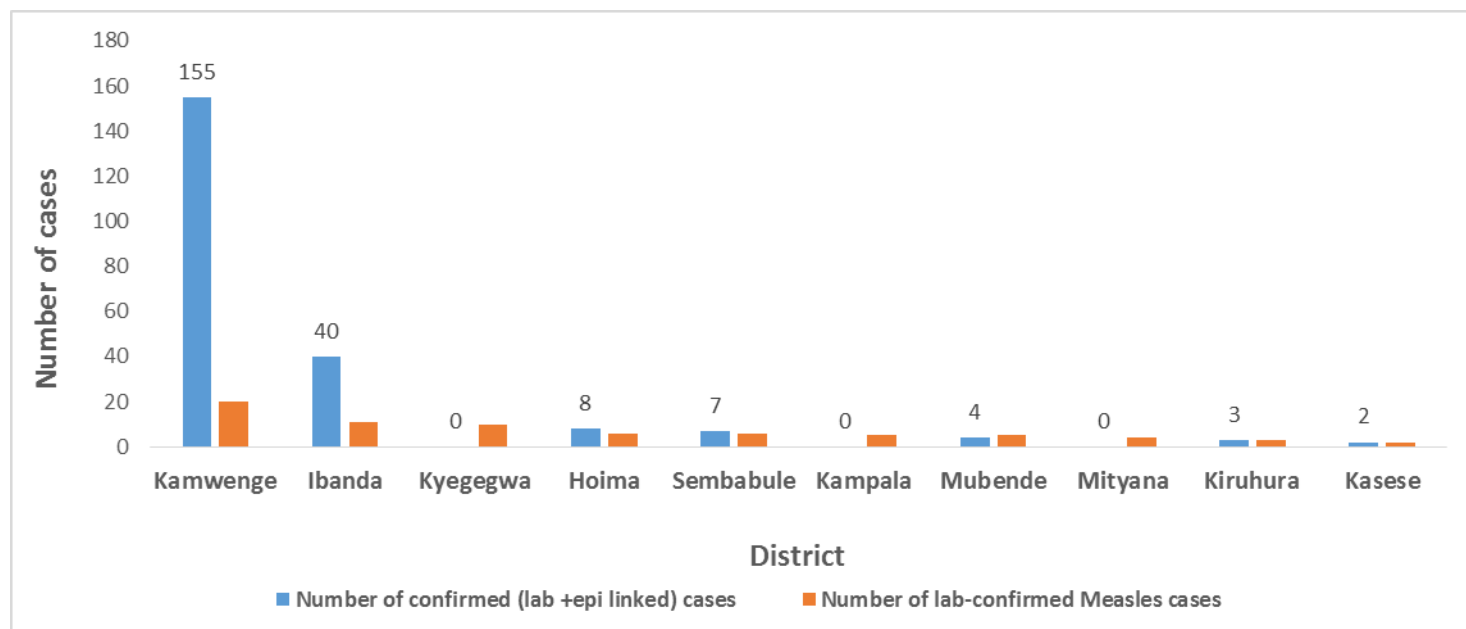
**Figure 3: Village of residence of the suspected Cholera cases in Hoima District.** Nkondo II (where the Cholera Treatment Centre is located) is the most affected village



**Figure 4: Number of suspected cholera cases by date of onset (Epidemic curve) of the outbreak in Hoima District.** More cases were reported on 1st October; 2 deaths of the index cases occurred on 29th September



**Figure 5: Weekly Malaria Cases & Reporting rate in 10 Outbreak/ former IRS Districts in Northern Uganda**



**Figure 6: Comparison of suspected reported and laboratory confirmed measles cases in 2015**

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# Summary table for epidemiological reports received for week ending 27<sup>th</sup> September 2015

(Numbers in brackets indicate deaths)

District	% of H/U reporting	AFP	Animal bites	Cholera	Dysentery	Guinea Worm	Malaria	Measles	Meningitis	NNT	Plague	Typhoid Fever
Abim	70	0	0	0	7	0	537	0	0	0	0	1
Adjumani	80	0	0	0	14	0	3,892	4	0	0	0	0
Agago	79	0	7	0	19	0	3,104	0	0	0	0	12
Alebtong	85	0	2	0	1	0	515	0	0	0	0	0
Amolatar	92	0	2	0	4	0	359	0	0	0	0	6
Amudat	100	0	0	0	0	0	211	1	0	0	0	0
Amuria	56	0	11	0	0	0	1946(2)	1	0	0	0	0
Amuru	66	0	0	0	119	0	2,343	0	0	0	0	1
Apac	51	0	0	0	1	0	1,859	0	0	0	0	0
Arua	60	0	10	0	40	0	4604(3)	0	0	0	0	34(1)
Budaka	88	0	0	0	8	0	1,321	0	0	0	0	5
Bududa	93	0	3	0	5	0	641	0	0	0	0	3
Bugiri	28	0	3	0	5	0	950	0	0	0	0	19
Buhweju	65	0	0	0	1	0	134	0	0	0	0	0
Buikwe	40	0	0	0	6	0	739	0	0	0	0	26
Bukedea	19	0	0	0	0	0	156	0	0	0	0	0
Bukomansimbi	59	0	0	0	0	0	142	2	0	0	0	2
Bukwo	94	0	9	0	31	0	401	0	0	0	0	14
Bulambuli	95	0	0	0	1	0	1,068	0	0	0	0	0
Buliisa	55	0	0	0	3	0	827	0	0	0	0	2
Bundibugyo	90	0	1	0	7	0	1,846	0	0	0	0	34
Bushenyi	39	0	8	0	0	0	611	1	0	0	0	24
Busia	69	0	1	0	3	0	1,756	0	0	0	0	24
Butaleja	54	0	0	0	10	0	1,101	0	0	0	0	1
Butambala	57	0	0	0	0	0	247	2	0	0	0	1
Buvuma	9	0	0	0	0	0	66	0	0	0	0	0
Buyende	82	0	0	0	4	0	821	0	0	0	0	1
Dokolo	100	0	1	0	2	0	862	0	0	0	0	14
Gomba	95	0	0	0	2	0	400	0	0	0	0	0
Gulu	65	0	2	0	29(1)	0	9,225	2	1	0	0	45
Hoima	44	0	5	0	30	0	1833(1)	9	0	0	0	55
Ibanda	46	0	8	0	0	0	1,656	2	0	0	0	0
Iganga	52	0	2	0	3	0	2259(1)	0	0	0	0	0
Isingiro	81	0	1	0	6	0	1,605	0	0	0	0	21
Jinja	33	0	8	0	9	0	1,778	0	0	0	0	4
Kaabong	96	0	0	0	18	0	1,866	0	0	0	0	3
Kabale	69	0	2	0	1	0	155	0	0	0	0	0
Kabarole	69	0	4	0	4	0	1667(2)	0	0	0	0	24
Kaberamaido	52	0	0	0	2	0	1,102	0	4	0	0	10
Kalangala	47	0	0	0	1	0	94	0	0	0	0	4
Kaliro	67	0	0	0	1	0	1,435	0	0	0	0	0
Kalungu	41	0	0	0	0	0	138	0	0	0	0	0
Kampala	31	1	6	0	4	0	2,158	8	0	0	0	191
Kamuli	56	0	0	0	10	0	2,753	1	0	0	0	13
Kamwenge	59	0	0	0	5	0	1,796	6	0	0	0	4
Kanungu	81	0	2	0	3	0	722	5	0	0	0	35

District	% of H/U reporting	AFP	Animal bites	Cholera	Dysentery	Guinea Worm	Malaria	Measles	Meningitis	NNT	Plague	Typhoid Fever
Kapchorwa	70	0	2	0	3	0	343	0	0	0	0	1
Kasese	73	0	6	0	9	0	2569(2)	1	0	0	0	29
Katakwi	42	0	0	0	2	0	874	0	0	0	0	0
Kayunga	72	0	1	0	23	0	1026(1)	0	0	0	0	0
Kibaale	39	0	4	0	6	0	1,118	4	0	0	0	55
Kiboga	54	0	0	0	6	0	264	6	0	0	0	13
Kibuku	73	0	0	0	1	0	424	0	1	0	0	1
Kiruhura	54	0	5	0	0	0	1,171	4	0	0	0	0
Kiryandongo	81	0	3	0	4	0	1,239	0	0	0	0	18
Kisoro	79	0	2	0	1	0	150	2	0	0	0	3
Kitgum	68	0	11	0	22	0	3772(3)	0	0	0	0	71
Koboko	88	0	3	0	5	0	1,471	0	0	0	0	14
Kole	100	0	1	0	0	0	2,055	0	0	0	0	0
Kotido	16	0	0	0	1	0	257	0	0	0	0	0
Kumi	44	0	0	0	2	0	1,105	1	0	0	0	9
Kween	58	0	0	0	0	0	341	0	0	0	0	7
Kyankwanzi	40	0	0	0	1	0	305	1	0	0	0	3
Kyegegwa	93	0	2	0	5	0	964(1)	3	0	0	0	3
Kyenjojo	43	0	3	0	2	0	747	6	0	0	0	6
Lamwo	71	0	1	0	1	0	2,398	0	0	0	0	0
Lira	94	0	1	0	6	0	1,736	2	1	2	0	70
Luuka	19	0	0	0	1	0	472	0	0	0	0	0
Luwero	57	0	0	0	8	0	952	2	0	0	0	37
Lwengo	36	0	1	0	2	0	263	0	0	0	0	13
Lyantonde	17	0	1	0	2	0	89	2	0	0	0	29
Manafwa	75	0	2	0	8	0	1,366	0	0	0	0	5
Maracha	100	0	1	0	8	0	2,019	0	0	0	0	4
Masaka	36	0	0	0	0	0	398	3	0	0	0	2
Masindi	61	0	2	0	5	0	799	0	1	0	0	11
Mayuge	20	0	2	0	4	0	812	5	0	0	0	5
Mbale	60	0	8	0	2	0	1798(1)	0	1	0	0	29
Mbarara	73	0	11	0	3	0	753	0	1	0	0	33
Mitooma	58	0	0	0	0	0	912	1	0	0	0	0
Mityana	34	0	4	0	1	0	704(1)	11	0	0	0	0
Moroto	40	0	3	0	5	0	840	0	0	0	0	14
Moyo	98	0	4	0	19	0	4,105	0	0	0	0	24
Mpigi	70	0	0	0	2	0	788	2	0	0	0	5
Mubende	7	0	1	0	3	0	190	3	0	0	0	24
Mukono	47	0	0	0	13	0	720	1	0	0	0	8
Nakapiripirit	77	0	1	0	22	0	911	1	1	0	0	20
Nakaseke	79	0	5	0	3	0	802	1	0	0	0	37
Nakasongola	14	0	0	0	7	0	222	0	0	0	0	0
Namayingo	19	0	1	0	8	0	356	0	0	0	0	3
Namutumba	53	0	1	0	2	0	1,187	0	0	0	0	2
Napak	79	0	0	0	8	0	513	0	0	0	0	1
Nebbi	70	0	11	0	30	0	3,431	1	0	0	0	11
Ngora	75	0	0	0	1	0	755	0	0	0	0	0
Ntoroko	67	0	0	0	1	0	122	1	0	0	0	1
Ntungamo	43	0	9	0	1	0	541	0	0	0	0	9

District	% of H/U reporting	AFP	Animal bites	Cholera	Dysentery	Guinea Worm	Malaria	Measles	Meningitis	NNT	Plague	Typhoid Fever
Nwoya	78	0	0	0	0	0	1,022	0	0	0	0	0
Otuke	67	0	0	0	1	0	526	2	0	0	0	2
Oyam	77	0	12	0	14	0	2842(4)	1	0	0	3	10
Pader	51	0	1	0	6	0	1,994	0	0	0	0	2
Pallisa	82	0	2	0	5	0	2538(1)	0	0	0	0	13
Rakai	48	0	1	0	15	0	1,479	8	0	0	0	14
Rubirizi	67	0	0	0	0	0	199	0	0	0	0	0
Rukungiri	64	0	2	0	2	0	1,040	1	1(1)	0	0	4(1)
Sembabule	46	0	0	0	5	0	408	0	0	0	0	52
Serere	71	0	2	0	5	0	1,012	1	0	0	0	2
Sheema	88	0	4	0	0	0	1,061	2	0	0	0	0
Sironko	83	0	2	0	4	0	1,470	1	0	0	0	0
Soroti	51	0	4	0	4	0	1,880	0	0	0	0	39
Tororo	74	0	3	0	5	0	1,724	2	0	0	0	15
Wakiso	32	0	0	0	7	0	1,935	7	5	0	0	39
Yumbe	100	0	2	0	30	0	3,631	0	0	0	0	6
Zombo	95	0	5	0	9	0	1,258	0	0	0	0	1
National	62	4 (0)	251 (0)	0	800 (1)	0	142869 (23)	133 (1)	16 (3)	1 (1)	0 (0)	1462 (2)

**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**