

**Highlights of the week**



- Cholera outbreak in Hoima District

- Mumps outbreak in Kampala school

**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.

**Epidemiological week 39 of 2015 [21st – 27th Sep 2015]**

**Disease Outbreaks**

**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 29th/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 9th 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 23rd 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 1st 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 8th 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 7th 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 21st - 27th September, 8 cases were identified and 28th September - 4th 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.

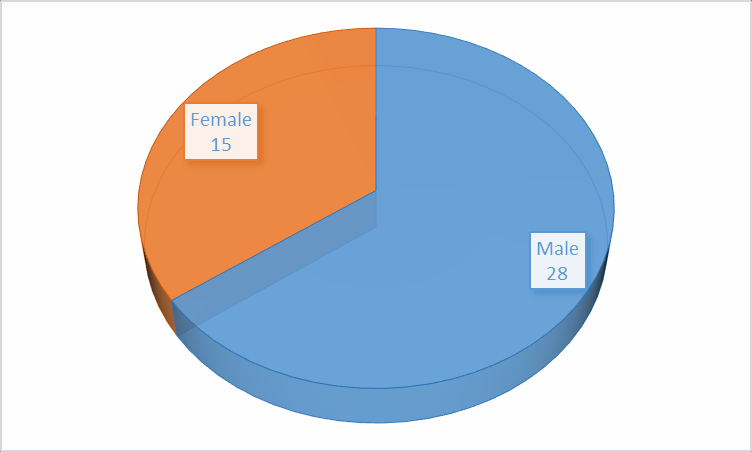
**Typhoid fever:** Up to 27 districts reported twenty or more typhoid cases. Kampala city reported 191 cases, which was the highest number of suspected typhoid cases.

**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**).

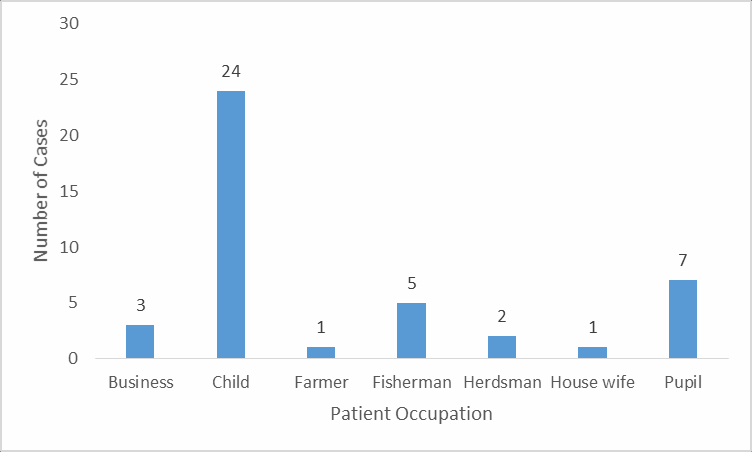
**Ebola VHF in West Africa**

Four cases of Ebola VD and some contacts are under follow up in Guinea. In Sierra Leone, the last case died on

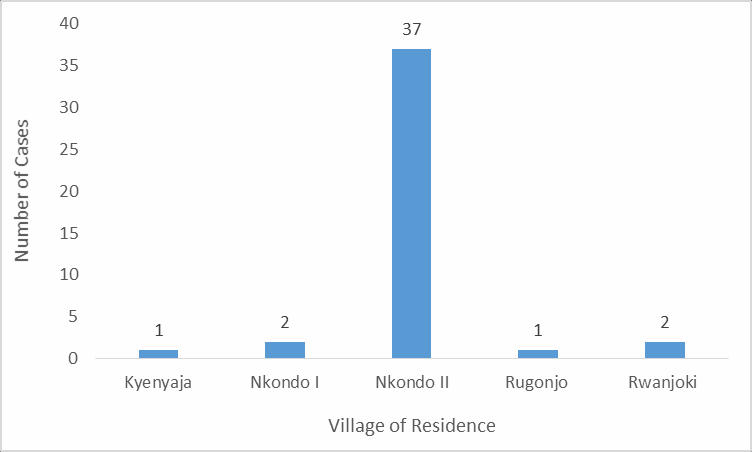
12th September, so the countdown to 42 days of follow up is ongoing before declaring the outbreak contained.



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

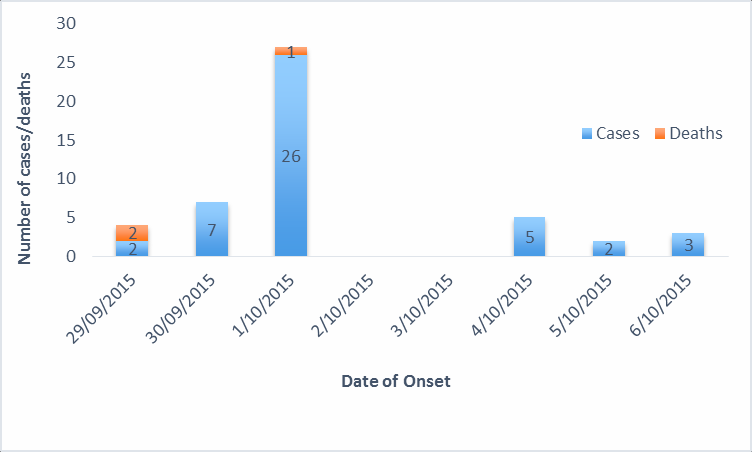


**Figure 2: Suspected Cholera cases in Hoima District by occupation.** Children less than five years and pupils are the most affected (Average age is 14 years, minimum 0.5 years and 67 years as maximum age).



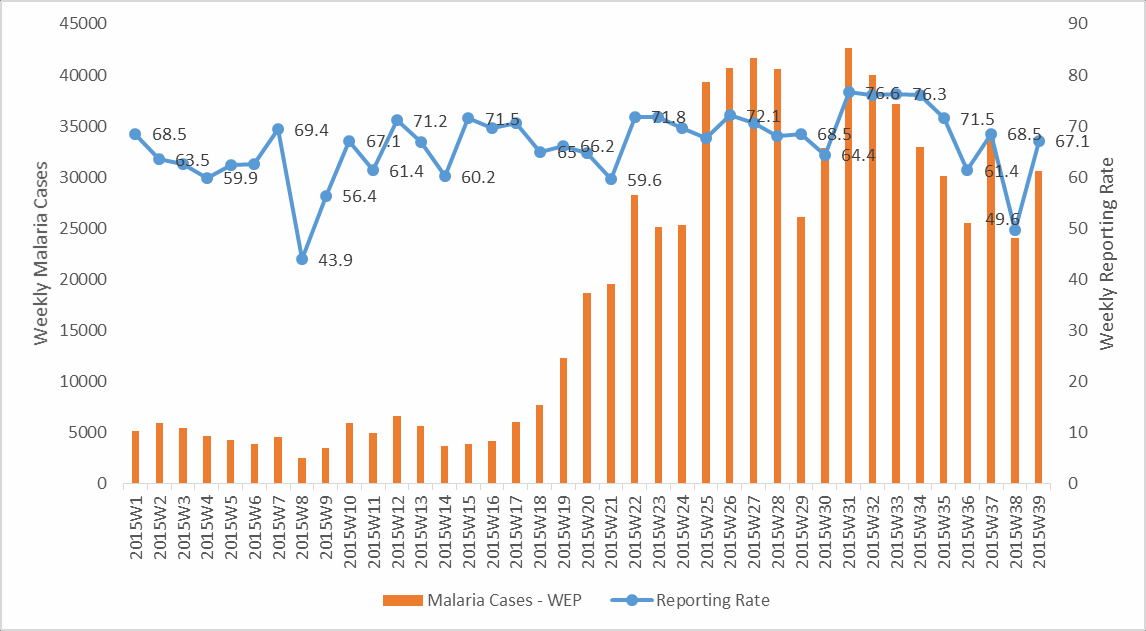
**Figure 3: Village of residence of the suspected Cholera cases in Hoima District**. Nkondo II (where the Cholera Treatment

Centre is located) is the most affected village

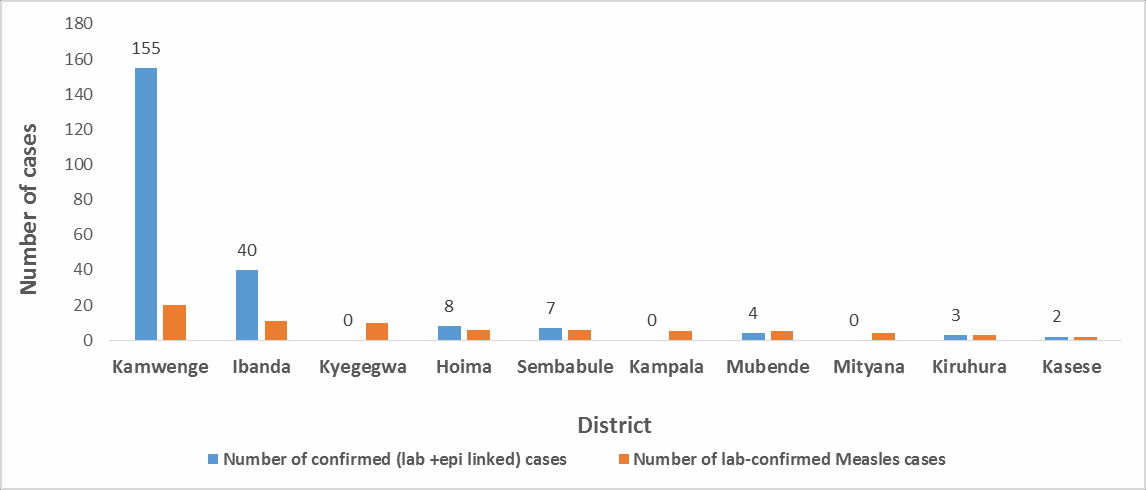


**Figure 4: Number of suspected cholera cases by date of onset (Epidemic curve) of the outbreak in Hoima**

**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: Coparison of suspected reported and laboratory confirmed measles cases in 2015**

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**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*

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**Summary table for epidemiological reports received for week ending 27th 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 |

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| **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 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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**