

**Highlights of the week**



- Updates on Cholera outbreak in

Hoima District

- Cases of Malaria have reduced in 10 outbreak districts in Northern Uganda

**Summary Table**

|  |  |  |
| --- | --- | --- |
| **Indicator** | **Week 40**  **2015** | **Week 41**  **2015** |
| % Districts | 100 | 100 |
| Ave % HU | 56 | 61 |
| % Timely reports | \* | \* |
| AFP | 7 (0) | 1(0) |
| Animal bites | 240 (0) | 191 (1) |
| Cholera | 0 | 0 |
| Dysentery | 610 (2) | 675 (0) |
| Guinea  Worm | 0 | 0 |
| Malaria | 108650 (43) | 102105 (44) |
| Measles | 242 (0) | 225 (0) |
| Meningitis | 4 (0) | 11 (2) |
| NNT | 1 (0) | 0 (0) |
| Plague | 0 | 0 |
| Typhoid | 1291 (2) | 1100 (4) |

**\*Indicator not provided**

**Completeness of Reporting**

All districts reported in week 41. The average reporting was 2,185 (56%) health facilities compared to 62% in week 39. Up to 21 districts achieved the national target of ≥80% of the health facilities reporting completeness. Bulambuli, Lira, Kole, Koboko, Gomba and Moyo achieved 100% reporting but Mubende and Buvuma had 9.1% reporting. Reporting rates by region indicate slight improvement, with the Northern regionis highest at 71%, followed by Western - 61%, Eastern -

55% and Central - 40% (**Figure 1**). The best and worst districts have been presented in **Figure 2**.

**Epidemiological week 41 of 2015 [5th – 11th Oct 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. Nkondo Treatment Centre was closed because there are no more cases. However, two other CTCs (Kaiso and Tonya) have been operating successfully. Twelve samples processed at CPHL were culture positive for *Vibrio cholerae* 01 Inaba.

**Actions:** District Task Force meetings (2) were held; there was

training of 30 health workers from the region, community mobilisation and referral of patients to the CTCs.

**Unknown illness in Buliisa & Hoima districts:** On 23rd September

2015, the Ministry of Health received information on suspected haemorrhagic fever in Buliisa and Hoima districts. Blood samples submitted to UVRI have tested negative for Ebola, Marburg, RVF and CCHF. By 15th October, there were no new cases on admission and 2 cases were discharged.

**Actions:** A radio talk show on Spice FM by District leadership and

radio spots in Lunyoro and English to sensitize the communities in early reporting of cases; a case control study analysis continues; good case management ensured survival and discharge of subsequent cases; high vigilance and reporting cases early.

**Malaria:** Malaria cases decreased in similar proportion to the decreased reporting level. The cases in the 10 outbreak districts in Northern Uganda have continued to decrease, despite the slight increase in reporting levels. Highest number of cases were reported by Gulu (3735), Kamuli (3657), Arua (2910) and Moyo (2749) districts.

**Other priority diseases**

**AFP**: Only one case was reported in Kumi district. 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 in the corresponding week of 2014. Only Manafwa has not reported one case off AFP in 2015.

**Typhoid fever:** In week 41, up to 78 districts reported at least one case of typhoid, and 19 of these exceeded the 20 cases alert threshold. Kampala city reported 121 cases, which was the highest number of suspected typhoid cases.

**Measles:** The number of suspected measles cases reported was similar to that in week 40. Twenty districts reported 5 or more suspected cases (**Figure 3**).

**Influenza in Humans:** The number of cases of influenza reported in the weekly surveillance system at Makerere

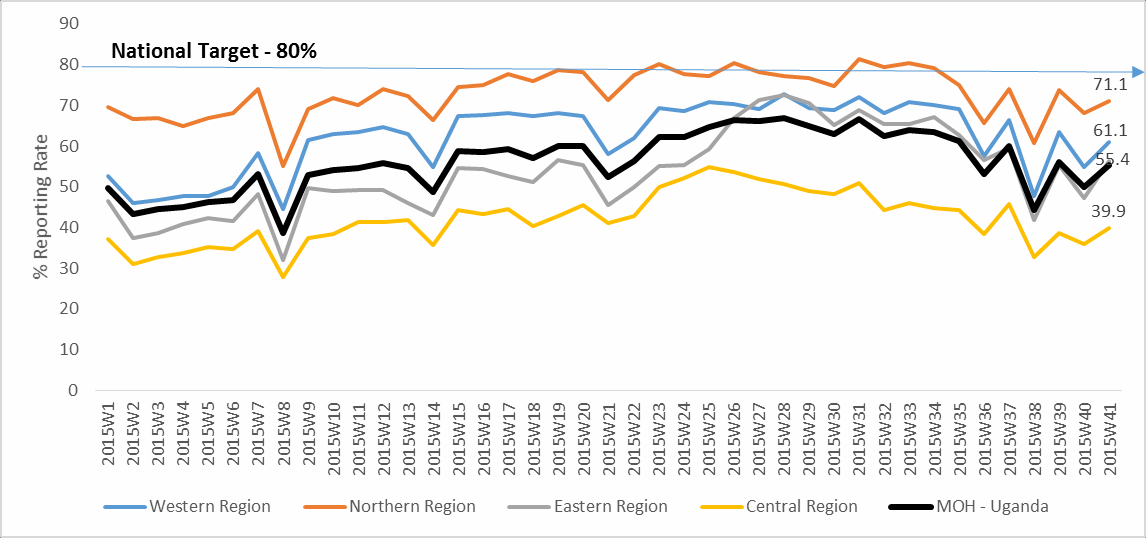
University Walter Reed Project were two; one of Influenza A(H1N1) and the other A (H3).

**International Health Event**

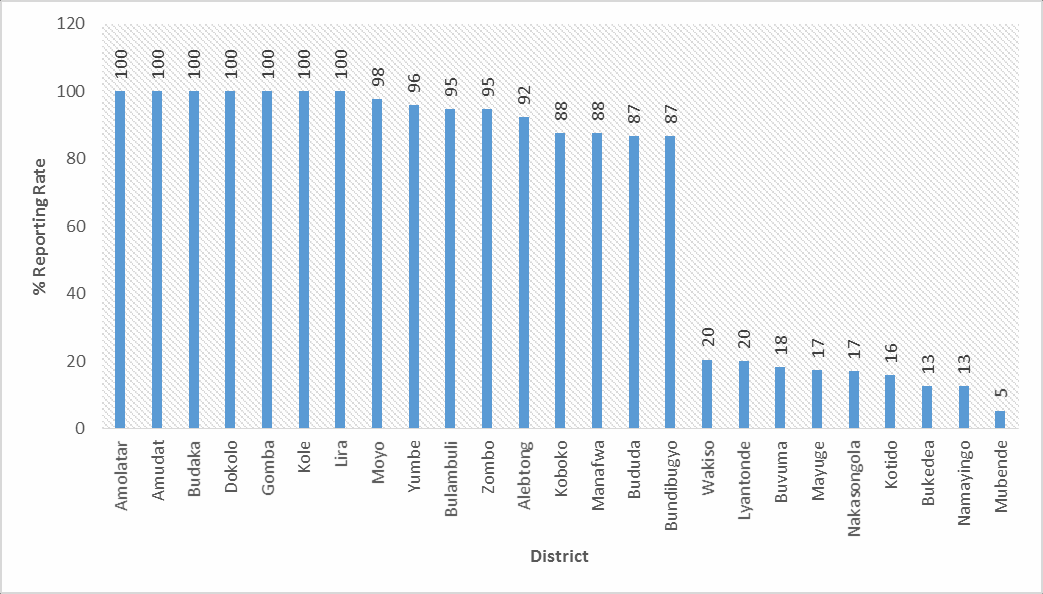
**Ebola VHF in West Africa**

Three new confirmed cases of Ebola virus disease (EVD) were reported in Guinea in the week to 18 Oct 2015. Currently 246 contacts are under follow-up in Guinea (70 are high risk), and an additional 253 contacts identified during the past 42 days remain untraced. Sierra Leone reported 0 cases for the 5th consecutive week. Confirmed

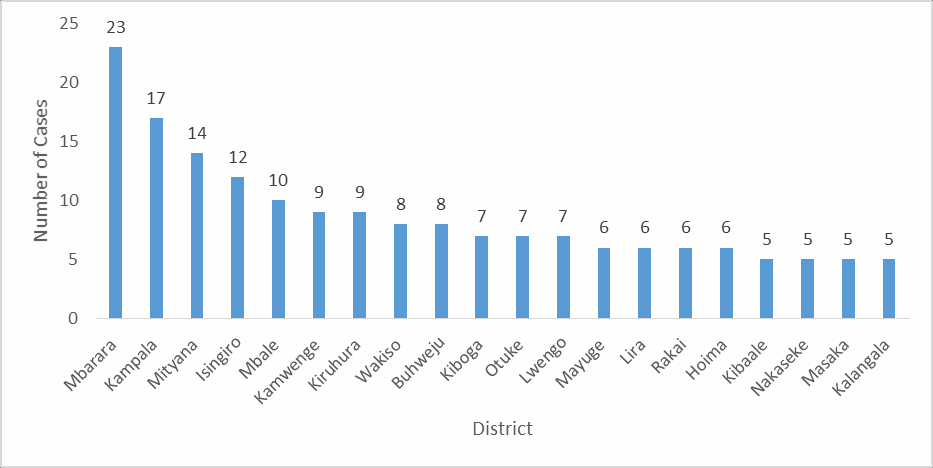
15,208 (not available) [3 cases in past 21 days]; Probable 2619 (not available); Suspected 10,649 (not available) Total 28,476 (11,298)



**Figure 1: Percent Weekly Reporting by Region.** Northern Uganda has been leading since the start of the year – close to the national target of 80%, whereas the central region is at the bottom during the respective reporting periods.



**Figure 2: Percent reporting rate (completeness) of the best and worst performing districts**



**Figure 3: Districts reporting 5 or more cases of measles in week 41, 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*

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**Summary table for epidemiological reports received for week ending 11th October 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 | 80 | 0 | 0 | 0 | 7 | 0 | 690 | 2 | 0 | 0 | 0 | 0 |
| Adjumani | 83 | 0 | 0 | 0 | 14 | 0 | 2,749 | 0 | 0 | 0 | 0 | 1 |
| Agago | 71 | 0 | 0 | 0 | 16 | 0 | 963(1) | 0 | 0 | 0 | 0 | 14 |
| Alebtong | 85 | 0 | 0 | 0 | 2 | 0 | 260(1) | 1 | 0 | 0 | 0 | 3 |
| Amolatar | 92 | 0 | 0 | 0 | 0 | 0 | 307 | 0 | 0 | 0 | 0 | 5 |
| Amudat | 63 | 0 | 0 | 0 | 1 | 0 | 106 | 0 | 0 | 0 | 0 |  |
| Amuria | 49 | 0 | 0 | 0 | 4 | 0 | 2,371 | 0 | 0 | 0 | 0 | 1 |
| Amuru | 63 | 0 | 0 | 0 | 6 | 0 | 1,160 | 0 | 0 | 0 | 0 | 0 |
| Apac | 41 | 0 | 0 | 0 | 1 | 0 | 853(1) | 0 | 0 | 0 | 0 | 0 |
| Arua | 60 | 0 | 5 | 0 | 18 | 0 | 2910(4) | 0 | 0 | 0 | 0 | 28 |
| Budaka | 88 | 0 |  | 0 | 3 | 0 | 1,134 | 0 | 0 | 0 | 0 | 2 |
| Bududa | 93 | 0 | 2 | 0 | 4 | 0 | 677 | 0 | 0 | 0 | 0 | 1 |
| Bugiri | 42 | 0 | 2 | 0 | 55 | 0 | 1,647 | 1 | 5 | 0 | 0 | 25 |
| Buhweju | 47 | 0 | 1 | 0 | 0 | 0 | 55 | 8 | 0 | 0 | 0 |  |
| Buikwe | 64 | 0 | 3 | 0 | 6 | 0 | 935 | 4 | 1 | 0 | 0 | 25 |
| Bukedea | 13 | 0 | 0 | 0 | 0 | 0 | 153 | 0 | 0 | 0 | 0 |  |
| Bukomansimbi | 71 | 0 | 0 | 0 | 3 | 0 | 129 | 0 | 0 | 0 | 0 | 2 |
| Bukwo | 88 | 0 | 3 | 0 | 12 | 0 | 96 | 0 | 0 | 0 | 0 | 3 |
| Bulambuli | 100 | 0 | 0 | 0 |  | 0 | 748 | 0 | 0 | 0 | 0 | 0 |
| Buliisa | 55 | 0 | 0 | 0 | 0 | 0 | 167 | 0 | 0 | 0 | 0 | 0 |
| Bundibugyo | 97 | 0 | 1 | 0 | 9 | 0 | 1,316 | 0 | 0 | 0 | 0 | 30 |
| Bushenyi | 49 | 0 | 4 | 0 | 1 | 0 | 490(3) | 0 | 0 | 0 | 0 | 43 |
| Busia | 52 | 0 | 0 | 0 | 2 | 0 | 748 | 0 | 0 | 0 | 0 | 0 |
| Butaleja | 63 | 0 | 0 | 0 | 14 | 0 | 1,029 | 0 | 0 | 0 | 0 | 2 |
| Butambala | 57 | 0 | 0 | 0 | 0 | 0 | 116 | 0 | 0 | 0 | 0 | 6 |
| Buvuma | 9 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 |
| Buyende | 82 | 0 | 0 | 0 | 2 | 0 | 727 | 0 | 0 | 0 | 0 | 0 |
| Dokolo | 94 | 0 | 0 | 0 | 0 | 0 | 411 | 1 | 0 | 0 | 0 | 1 |
| Gomba | 100 | 0 | 0 | 0 | 4 | 0 | 489 | 0 | 0 | 0 | 0 | 0 |
| Gulu | 56 | 0 | 2 | 0 | 19 | 0 | 3,735 | 0 | 0 | 0 | 0 | 38 |
| Hoima | 46 | 0 | 9 | 0 | 26 | 0 | 1,070 | 6 | 0 | 0 | 0 | 23 |
| Ibanda | 34 | 0 | 1 | 0 | 1 | 0 | 971(1) | 2 | 0 | 0 | 0 | 1 |
| Iganga | 54 | 0 | 1 | 0 | 2 | 0 | 2,722 | 0 | 0 | 0 | 0 | 0 |
| Isingiro | 76 | 0 | 0 | 0 | 5 | 0 | 1,109 | 12 | 0 | 0 | 0 | 8 |
| Jinja | 37 | 0 | 5 | 0 | 12 | 0 | 1,667 | 2 | 0 | 0 | 0 | 8 |
| Kaabong | 78 | 0 | 2 | 0 | 5 | 0 | 693 | 0 | 0 | 0 | 0 | 1 |
| Kabale | 66 | 0 | 7 | 0 | 1 | 0 | 137 | 0 | 0 | 0 | 0 | 0 |
| Kabarole | 61 | 0 | 7 | 0 | 3 | 0 | 1,467 | 0 | 0 | 0 | 0 | 9 |
| Kaberamaido | 52 | 0 | 3 | 0 | 4 | 0 | 856 | 0 | 0 | 0 | 0 | 17 |
| Kalangala | 59 | 0 | 0 | 0 | 3 | 0 | 88 | 5 | 0 | 0 | 0 | 0 |
| Kaliro | 57 | 0 | 0 | 0 | 0 | 0 | 1,753 | 0 | 0 | 0 | 0 | 6 |
| Kalungu | 45 | 0 | 0 | 0 | 1 | 0 | 236 | 3 | 0 | 0 | 0 | 15 |
| Kampala | 28 | 1 | 6 | 0 | 4 | 0 | 1098(1) | 17 | 0 | 0 | 0 | 121 |
| Kamuli | 63 | 0 | 0 | 0 | 3 | 0 | 3,657 | 1 | 0 | 0 | 0 | 15 |
| Kamwenge | 65 | 0 | 0 | 0 | 7 | 0 | 1,491 | 9 | 0 | 0 | 0 | 1 |
| Kanungu | 77 | 0 | 0 | 0 | 3 | 0 | 403 | 1 | 0 | 0 | 0 | 35 |
| Kapchorwa | 80 | 0 | 0 | 0 | 7 | 0 | 621 | 0 | 0 | 0 | 0 | 6 |
| Kasese | 64 | 0 | 5 | 0 | 12 | 0 | 1940(1) | 0 | 1(1) | 0 | 0 | 11 |
| Katakwi | 42 | 0 | 2 | 0 | 0 | 0 | 1,323 | 0 | 0 | 0 | 0 | 0 |
| Kayunga | 57 | 0 | 0 | 0 | 7 | 0 | 810 | 0 | 0 | 0 | 0 | 0 |

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| **District** | **% of H/U**  **reporting** | **AFP** | **Animal bites** | **Cholera** | **Dysentery** | **Guinea**  **Worm** | **Malaria** | **Measles** | **Meningitis** | | | **NNT** | **Plague** | **Typhoid**  **Fever** |
| Kibaale | 34 | 0 | 2 | 0 | 2 | 0 | 633 | 5 | 0 | | | 0 | 0 | 49 |
| Kiboga | 71 | 0 | 2 | 0 | 7 | 0 | 434 | 7 | 0 | | | 0 | 0 | 40 |
| Kibuku | 60 | 0 | 0 | 0 | 1 | 0 | 452 | 3 | 0 | | | 0 | 0 | 1 |
| Kiruhura | 65 | 0 | 1 | 0 | 0 | 0 | 941 | 9 | 0 | | | 0 | 0 | 0 |
| Kiryandongo | 85 | 0 | 0 | 0 | 3 | 0 | 919 | 0 | 0 | | | 0 | 0 | 4 |
| Kisoro | 84 | 0 | 0 | 0 | 3 | 0 | 168 | 2 | 0 | | | 0 | 0 | 4 |
| Kitgum | 61 | 0 | 0 | 0 | 13 | 0 | 1170(3) | 0 | 0 | | | 0 | 0 | 18 |
| Koboko | 100 | 0 | 1 | 0 | 10 | 0 | 1,493 | 1 | 0 | | | 0 | 0 | 1 |
| Kole | 100 | 0 | 1 | 0 | 0 | 0 | 1,138 | 0 |  | 0 |  | 0 | 0 | 0 |
| Kotido | 11 | 0 | 0 | 0 | 0 | 0 |  | 0 | 0 | | | 0 | 0 | 0 |
| Kumi | 70 | 0 | 0 | 0 | 5 | 0 | 1,200 | 0 | 0 | | | 0 | 0 | 42 |
| Kween | 67 | 0 | 1 | 0 | 5 | 0 | 387 | 0 | 0 | | | 0 | 0 | 5 |
| Kyankwanzi | 36 | 0 | 0 | 0 |  | 0 | 256 | 1 | 0 | | | 0 | 0 | 0 |
| Kyegegwa | 80 | 0 | 6 | 0 |  | 0 | 614 | 2 | 0 | | | 0 | 0 | 0 |
| Kyenjojo | 45 | 0 | 10 | 0 | 4 | 0 | 691 | 3 | 0 | | | 0 | 0 | 6 |
| Lamwo | 76 | 0 | 0 | 0 | 1 | 0 | 1100(1) | 0 | 0 | | | 0 | 0 | 0 |
| Lira | 100 | 0 | 2 | 0 | 13 | 0 | 1437(1) | 6 | 1 | | | 0 | 0 | 10 |
| Luuka | 23 | 0 | 0 | 0 |  | 0 | 453 | 0 | 0 | | | 0 | 0 | 0 |
| Luwero | 57 | 0 | 0 | 0 | 5 | 0 | 615 | 1 | 0 | | | 0 | 0 | 30 |
| Lwengo | 29 | 0 | 1 | 0 |  | 0 | 148 | 7 | 0 | | | 0 | 0 | 10 |
| Lyantonde | 23 | 0 | 0 | 0 | 3 | 0 | 249 | 0 | 0 | | | 0 | 0 | 25 |
| Manafwa | 83 | 0 | 0 | 0 | 2 | 0 | 553 | 1 | 0 | | | 0 | 0 | 2 |
| Maracha | 79 | 0 | 2 | 0 | 3 | 0 | 1,095 | 0 | 0 | | | 0 | 0 | 2 |
| Masaka | 39 | 0 | 0 | 0 | 1 | 0 | 360 | 5 | 0 | | | 0 | 0 | 1 |
| Masindi | 61 | 0 | 2 | 0 | 4 | 0 | 792 | 2 | 0 | | | 0 | 0 | 10 |
| Mayuge | 52 | 0 | 0 | 0 | 6 | 0 | 1,453 | 6 | 0 | | | 0 | 0 | 2 |
| Mbale | 57 | 0 | 2 | 0 | 44 | 0 | 1,376 | 10 | 2(1) | | | 0 | 0 | 23 |
| Mbarara | 73 | 0 | 6 | 0 | 6 | 0 | 730 | 23 | 0 | | | 1 | 0 | 31 |
| Mitooma | 58 | 0 | 3 | 0 | 1 | 0 | 831 | 1 | 0 | | | 0 | 0 | 4 |
| Mityana | 48 | 0 | 4 | 0 | 1 | 0 | 772 (13) | 14 | 0 | | | 0 | 0 | 2 |
| Moroto | 53 | 0 | 5 | 0 | 11 | 0 | 799 | 0 | 0 | | | 0 | 0 | 19 |
| Moyo | 100 | 0 | 3 | 0 | 13 | 0 | 2,841 | 0 | 0 | | | 0 | 0 | 9 |
| Mpigi | 70 | 0 | 0 | 0 | 0 | 0 | 606(1) | 0 | 0 | | | 0 | 0 | 16 |
| Mubende | 9 | 0 | 8 | 0 | 4 | 0 | 50 | 3 | 0 | | | 0 | 0 | 14 |
| Mukono | 47 | 0 | 2 | 0 | 11 | 0 | 1,052 | 2 | 0 | | | 0 | 0 | 12 |
| Nakapiripirit | 77 | 0 | 0 | 0 | 13 | 0 | 896 | 1 | 0 | | | 0 | 0 | 13 |
| Nakaseke | 75 | 0 | 2 | 0 | 5 | 0 | 605 | 5 | 0 | | | 0 | 0 | 23 |
| Nakasongola | 20 | 0 | 0 | 0 | 4 | 0 | 231 | 0 | 0 | | | 0 | 0 | 18 |
| Namayingo | 19 | 0 | 0 | 0 | 2 | 0 | 503 | 0 | 0 | | | 0 | 0 | 1 |
| Namutumba | 65 | 0 | 1 | 0 | 5 | 0 | 1,395 | 2 | 0 | | | 0 | 0 | 0 |
| Napak | 86 | 0 | 3 | 0 | 52 | 0 | 577 | 0 | 0 | | | 0 | 0 | 0 |
| Nebbi | 79 | 0 | 6 | 0 | 14 | 0 | 2321(4) | 0 | 0 | | | 0 | 0 | 10 |
| Ngora | 50 | 0 | 0 | 0 | 0 | 0 | 342(1) | 0 | 0 | | | 0 | 0 | 0 |
| Ntoroko | 56 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 0 | | | 0 | 0 | 0 |
| Ntungamo | 48 | 0 | 8 | 0 | 2 | 0 | 315 | 0 | 0 | | | 0 | 0 | 10 |
| Nwoya | 67 | 0 | 0 | 0 | 0 | 0 | 308 | 0 | 0 | | | 0 | 0 | 0 |
| Otuke | 80 | 0 | 1 | 0 | 0 | 0 | 409 | 7 | 0 | | | 0 | 0 | 1 |
| Oyam | 71 | 0 | 13 | 0 | 1 | 0 | 1,129 | 0 | 1 | | | 0 | 3 | 0 |
| Pader | 46 | 0 | 0 | 0 | 6 | 0 | 869 | 0 | 0 | | | 0 | 0 | 0 |
| Pallisa | 61 | 0 | 6 | 0 | 9 | 0 | 1,465 | 2 | 0 | | | 0 | 0 | 8 |
| Rakai | 50 | 0 | 0 | 0 | 7 | 0 | 1,093 | 6 | 0 | | | 0 | 0 | 19 |
| Rubirizi | 61 | 0 | 0 | 0 | 4 | 0 | 192 | 0 | 0 | | | 0 | 0 | 2 |
| Rukungiri | 55 | 0 | 0 | 0 | 0 | 0 | 321 | 1 | 0 | | | 0 | 0 | 2 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **District** | **% of H/U**  **reporting** | **AFP** | **Animal bites** | **Cholera** | **Dysentery** | **Guinea**  **Worm** | **Malaria** | **Measles** | **Meningitis** | **NNT** | **Plague** | **Typhoid**  **Fever** |
| Sembabule | 29 | 0 | 0 | 0 | 0 | 0 | 185 | 0 | 0 | 0 | 0 | 5 |
| Serere | 71 | 0 | 2 | 0 | 1 | 0 | 1,264 | 0 | 0 | 0 | 0 | 0 |
| Sheema | 82 | 0 | 0 | 0 | 1 | 0 | 618 | 1 | 0 | 0 | 0 | 0 |
| Sironko | 67 | 0 | 0 | 0 | 3 | 0 | 1,001 | 0 | 0 | 0 | 0 | 0 |
| Soroti | 51 | 0 | 5 | 0 | 5 | 0 | 1,856 | 3 | 0 | 0 | 0 | 23 |
| Tororo | 58 | 0 | 6 | 0 | 5 | 0 | 925 | 0 | 0 | 0 | 0 | 4 |
| Wakiso | 28 | 0 | 0 | 0 | 2 | 0 | 1289(1) | 8(2) | 0 | 0 | 0 | 55 |
| Yumbe | 92 | 0 | 2 | 0 | 9 | 0 | 2335(6) | 0 | 0 | 0 | 0 | 5 |
| Zombo | 90 | 0 | 1 | 0 | 16 | 0 | 534 | 0 | 0 | 0 | 0 | 2 |
| **National** | **61** | **1 (0)** | **191 (1)** | **0** | **657**  **(0)** | **0** | **102105 (44)** | **225**  **(2)** | **11 (2)** | **0 (0)** | **0** | **1100**  **(4)** |

**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**