

**Highlights of the week**



- Training regional teams for measles campaign

- Investigations into strange illness in Buliisa District

**Summary Table**

|  |  |  |
| --- | --- | --- |
| **Indicator** | **Week 36**  **2015** | **Week 37**  **2015** |
| % Districts | 100 | 100 |
| Ave % HU | 58 | 65 |
| % Timely  reports | 80 | -\* |
| AFP | 6 (0) | 6 (0) |
| Animal bites | 266 (0) | 254 (0) |
| Cholera | 0 | 0 |
| Dysentery | 642 (5) | 657 (2) |
| Guinea  Worm | 0 | 0 |
| Malaria | 133043 (39) | 148470 (37) |
| Measles | 154 (1) | 136 (0) |
| Meningitis | 3 (0) | 5 (0) |
| NNT | 1 (0) | 1 (0) |
| Plague | 0 | 0 |
| Typhoid | 1356 (0) | 1391 (2) |

\* Indicator not provided

**Completeness of Reporting**

All districts (100%) submitted at least one weekly surveillance report. The proportion of health facilities that reported was 65% compared to 58% in week 36. Up to 33 districts achieved the national reporting completeness target of ≥ 80% and of these, nineteen have been recently trained in IDSR. Five districts (Zombo, Ngora, Bududa, Gomba and Kyegegwa) achieved

100% reporting but Mubende (9%) had the worst reporting level. The government health facilities are reporting better than others (**Figure 1**).

**Timeliness**

This indicator has been affected by the change in mTrac submission system, thus not computed.

**Epidemiological week 37 of 2015 [6th – 12th Sept 2015] Disease Outbreaks**

**Measles:** The reported suspected cases decreased slightly in week

37. Nine districts reported more than 5 suspected cases: Kampala (17), Kalangala (9), Ibanda (9), Buikwe (7), Mbarara (7), Lira (6), Kiruhura (6), Rakai (6) and Kamwenge (5).

**Action:** National supervisors are training health workers at the

regional level in preparation for the measles immunization campaign to be conducted from 3rd - 6th October 2015.

**Malaria:** A report from the mission to evaluate the response activities in the 10 outbreak districts indicated that the malaria cases is still above the normal channels. At national level, there was 12% increase in number of cases, probably reflecting the increase in reporting rate. Gulu (8021), Arua (7048), Agago (4514), Kitgum (4514) and Yumbe (4023) reported the highest number of cases. The first four districts are current;y experiencing an outbreak and the numbers are reflecting the change in reporting rates.

**Action:** The districts have been tasked to send more regular reports to

the national level. Treatment of cases is still emphasized and social mobilisation is ongoing.

**Other priority diseases**

**AFP:** Six cases were reported in DHIS-2 from Kampala (2 cases) and one each from Kaabong, Hoima, Mitooma and Kasese districts. However, 16 samples were submitted from cases to UVRI for investigation. Currently, 110 districts (including Mitooma) have reported at least one case of AFP as required by active surveillance for Polio. There was improvement in Non-polio AFP rate at 2.3/100,000 among children 0 – 14 years. Sixty (63) out of 112 (53.6%) have attained a non-polio AFP rate of ≥2/100,000 children aged 0 - 14 years.

**Typhoid:** The total number of cases of typhoid by region shows that the central region had a significantly higher number of cases from week 10 to week 20 (**Figure 2**), mainly from Kampala when experiencing the outbreak. Up to 26 districts, including Kampala (199 cases) reported cases above the ≥ 20 cases threshold (**Figure**

**3**). The challenge with laboratory investigation and confirmation still

affects outbreak confirmation and treatment of cases remains based on case definition.

**Influenza humans, Uganda:** Results based on the weekly sentinel surveillance data from the National Influenza Centre (aggregated with the Makerere University Walter Reed Influenza Project), all the 13 samples submitted were negative for Influenza viruses. Eighteen positive samples out of 516 have been detected since the start of

2015; 8 (Influenza A H1N1), 3 (AH3) and 7 unsubtypable.

**Meningitis:** Gulu, Koboko, Masindi, Mbale and Nakaseke reported one case each of meningitis in week 37.

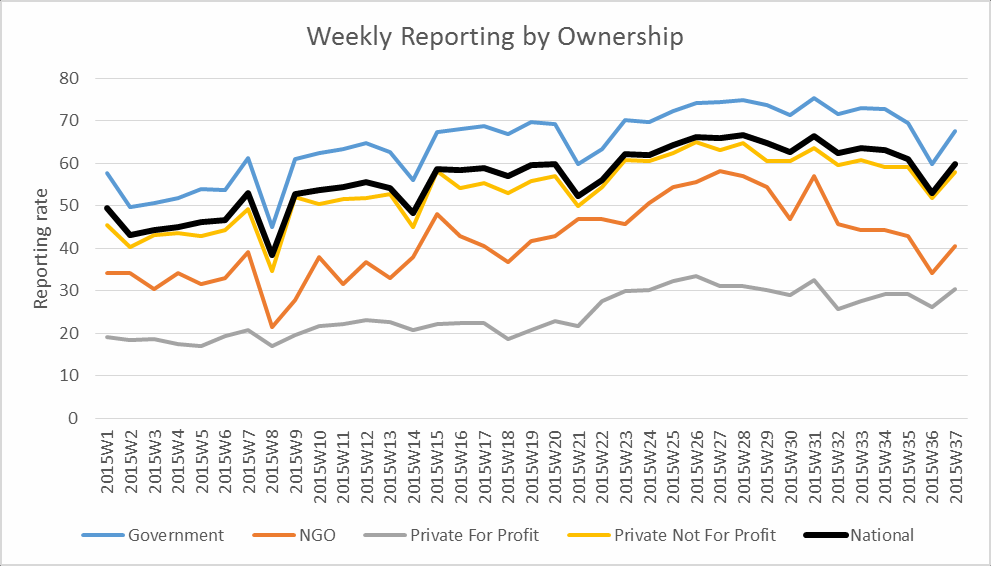
**Maternal and peri-natal deaths:** Nine deaths were reported in week 37 from 6 health facilities (**Table 1**).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Region District Sub-county Health Facility Number of**  **deaths** | | | | |
| **Central Region** | Kampala | Kampala  Central | Case Medical Centre | 2 |
| **Central Region** | Kayunga | Kayunga T. C | Kayunga Hospital | 1 |
| **Central Region** | Wakiso | Kira T. C | Bweyogerere Hassan Turabi. HC III | 3 |
| **Northern Region** | Yumbe | Kei Sub- county | Matuma HC III | 1 |
| **Western Region** | Kabarole | South Division | Kabarole HOSPITAL | 1 |
| **Western Region** | Kabarole | South Division | Virika HOSPITAL | 1 |

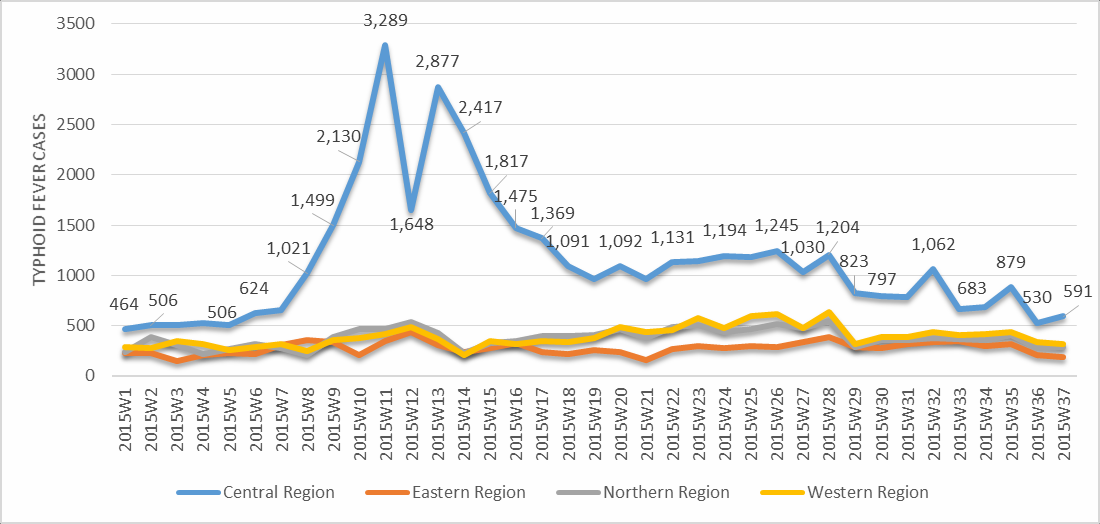
**International events:**

**MERS-CoV:** One case and death was reported in Kuwait, but no cases from Saudi Arabia. Three additional cases have been previously confirmed in Kuwait; two in 2012 and one in 2013.

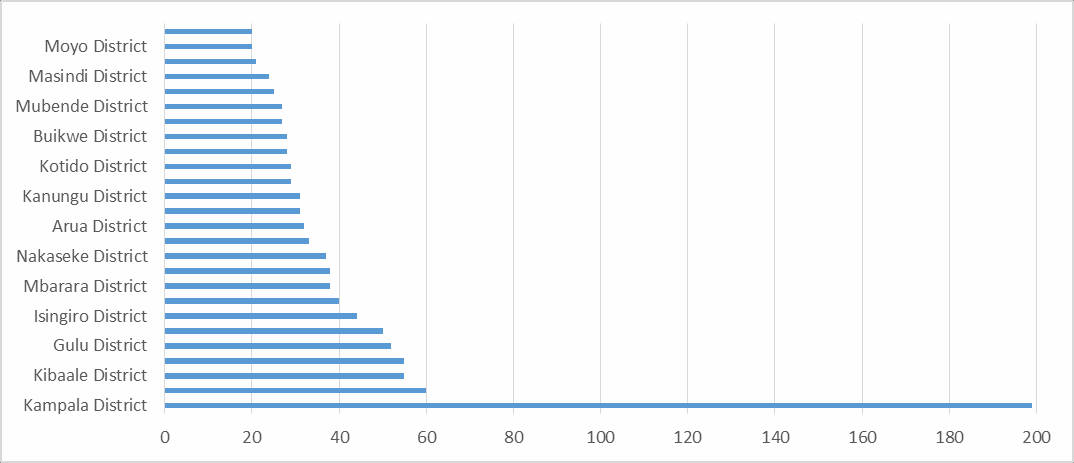
**Ebola in West Africa:** To date, a total of 28319 cases and 11296 deaths have been reported in Liberia (10,666 cases, 4806 deaths), Sierra Leone (13046 cases, 3955 deaths) and Guinea (3801 cases, 2533 deaths).



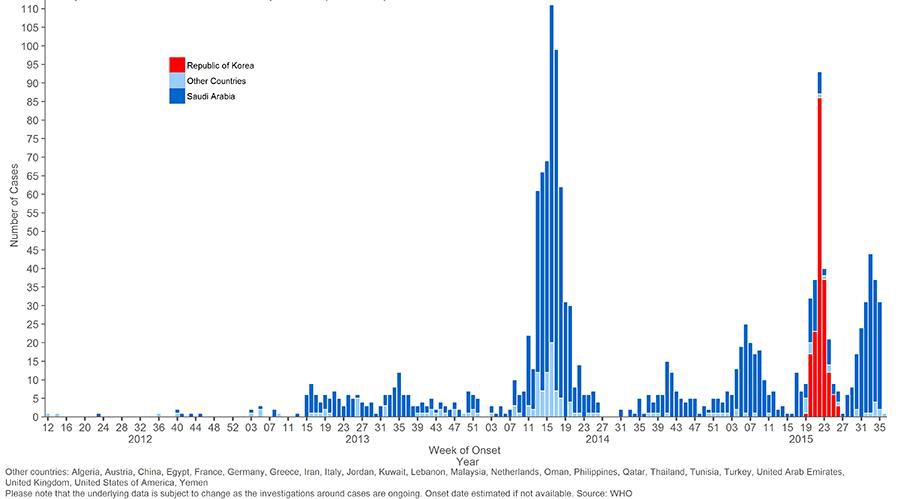
**Figure 1: Reporting rates of weekly epidemiological data by health facility ownership compared to the national level**



**Figure 2: Weekly typhoid cases by epidemiological week (week 1-37, 2015) and region.** Central region reported the highest number of cases with a peak in week 11, largely contributed to by the outbreak cases in Kampala District



**Figure 3: Number of typhoid cases in districts exceeding the 20 cases alert threshold**



**Figure 4: Epidemic curve of confirmed global cases of MERS-CoV reported to WHO, 17th September 2015.**

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**Summary table for epidemiological reports received for week ending 12th September 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 | 90 | 0 | 2 | 0 | 14 | 0 | 1,191 | 0 | 0 | 0 | 0 | 0 | |
| Adjumani | 83 | 0 | 2 | 0 | 16 | 0 | 3934 (1) | 1 | 0 | 0 | 0 | 0 | |
| Agago | 74 | 0 | 3 | 0 | 26 | 0 | 4,514 | 0 | 0 | 0 | 0 | 0 | |
| Alebtong | 62 | 0 | 4 | 0 | 3 | 0 | 257 | 0 | 0 | 0 | 0 | 2 | |
| Amolatar | 77 | 0 | 2 | 0 | 0 | 0 | 314 | 0 | 0 | 0 | 0 | 0 | |
| Amudat | 63 | 0 | 0 | 0 | 8 | 0 | 225 | 0 | 0 | 0 | 0 | 0 | |
| Amuria | 80 | 0 | 6 | 0 | 6 | 0 | 2,502 | 0 | 0 | 0 | 0 | 0 | |
| Amuru | 69 | 0 | 1 | 0 | 14 | 0 | 2,869 | 0 | 0 | 0 | 0 | 0 | |
| Apac | 81 | 1 | 0 | 0 |  | 0 | 2500 (2) | 0 | 0 | 0 | 0 | 0 | |
| Arua | 74 | 0 | 8 | 0 | 32 | 0 | 7048 (1) | 0 | 0 | 0 | 0 | 1 | |
| Budaka | 88 | 0 | 1 | 0 | 3 | 0 | 532 | 1 | 0 | 0 | 0 | 0 | |
| Bududa | 100 | 1 | 1 | 0 | 4 | 0 | 815 (1) | 0 | 0 | 0 | 0 | 0 | |
| Bugiri | 22 | 0 | 0 | 0 | 1 | 0 | 532 | 1 | 0 | 0 | 0 | 0 | |
| Buhweju | 53 | 0 | 0 | 0 | 0 | 0 | 58 | 0 | 0 | 0 | 0 | 2 | |
| Buikwe | 77 | 0 | 8 | 0 | 9 (1) | 0 | 1,211 | 3 | 0 | 0 | 0 | 7 | |
| Bukedea | 25 | 0 | 0 | 0 | 0 | 0 | 146 | 0 | 0 | 0 | 0 | 0 | |
| Bukomansimbi | 71 | 0 | 1 | 0 | 0 | 0 | 290 | 0 | 0 | 0 | 0 | 0 | |
| Bukwo | 88 | 0 | 9 | 0 | 9 | 0 | 215 | 2 | 0 | 0 | 0 | 0 | |
| Bulambuli | 95 | 0 | 0 | 0 | 0 | 0 | 480 | 0 | 0 | 0 | 0 | 0 | |
| Buliisa | 82 | 0 | 0 | 0 | 1 | 0 | 822 (5) | 0 | 0 | 0 | 0 | 0 | |
| Bundibugyo | 77 | 0 | 0 | 0 | 16 | 0 | 1,686 | 0 | 0 | 0 | 0 | 0 | |
| Bushenyi | 44 | 0 | 0 | 0 | 0 | 0 | 497 | 0 | 0 | 0 | 0 | 0 | |
| Busia | 79 | 0 | 4 | 0 | 6 | 0 | 2,081 | 1 | 0 | 0 | 0 | 2 | |
| Butaleja | 75 | 0 | 0 | 0 | 3 | 0 | 1,483 | 0 | 0 | 0 | 0 | 1 | |
| Butambala | 35 | 0 | 0 | 0 | 0 | 0 | 254 | 1 | 0 | 0 | 0 | 0 | |
| Buvuma | 27 | 0 | 0 | 0 | 2 | 0 | 41 | 0 | 0 | 0 | 0 | 0 | |
| Buyende | 82 | 0 | 0 | 0 | 0 | 0 | 740 | 0 | 0 | 0 | 0 | 0 | |
| Dokolo | 88 | 0 | 2 | 0 | 4 | 0 | 829 | 0 | 0 | 0 | 0 | 0 | |
| Gomba | 100 | 0 | 1 | 0 | 0 | 0 | 599 | 0 | 0 | 0 | 0 | 0 | |
| Gulu | 65 | 0 | 13 | 0 | 0 | 0 | 8,021 | 2 | 1 | 0 | 0 | 0 | |
| Hoima | 46 | 0 | 3 | 0 | 28 | 0 | 1,591 | 4 | 0 | 0 | 0 | 3 | |
| Ibanda | 40 | 0 | 5 | 0 | 0 | 0 | 1,388 | 8 | 0 | 0 | 0 | 9 | |
| Iganga | 54 | 0 | 2 | 0 | 0 | 0 | 1885 (3) | 0 | 0 | 0 | 0 | 0 | |
| Isingiro | 74 | 0 | 0 | 0 | 6 | 0 | 1,908 | 0 | 0 | 0 | 0 | 0 | |
| Jinja | 27 | 0 | 4 | 0 | 4 | 0 | 1533 (1) | 0 | 0 | 0 | 0 | 1 | |
| Kaabong | 85 | 0 | 4 | 0 | 13 | 0 | 1,269 | 0 | 0 | 0 | 0 | 0 | |
| Kabale | 64 | 0 | 5 | 0 | 0 | 0 | 150 | 0 | 0 | 0 | 0 | 0 | |
| Kabarole | 73 | 0 | 6 | 0 | 6 | 0 | 1841 (2) | 4 | 0 | 0 | 0 | 0 | |
| Kaberamaido | 28 | 0 | 0 | 0 | 5 | 0 | 580 | 0 | 0 | 0 | 0 | 2 | |
| Kalangala | 53 | 0 | 1 | 0 | 10 | 0 | 312 | 4 | 0 | 0 | 0 | 9 | |
| Kaliro | 52 | 0 | 0 | 0 | 0 | 0 | 612 | 0 | 0 | 0 | 0 | 0 | |
| Kalungu | 45 | 0 | 0 | 0 | 1 | 0 | 203 | 0 | 0 | 0 | 0 | 0 | |
| Kampala | 35 | 0 | 29 | 0 | 13 | 0 | 1,728 | 16 | 0 | 0 | 0 | 17 | |
| Kamuli | 59 | 0 | 5 | 0 | 0 | 0 | 2513 (4) | 0 | 0 | 0 | 0 | 2 | |
| Kamwenge | 65 | 0 | 2 | 0 | 10 | 0 | 1,823 | 0 | 0 | 0 | 0 | 5 | |
| Kanungu | 75 | 0 | 0 | 0 | 1 | 0 | 594 | 2 | 0 | 0 | 0 | 1 | |

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| **District** | **% of H/U**  **reporting** | **AFP** | **Animal bite (Suspected Rabies)** | **Cholera** | **Dysentery** | **Guinea**  **Worm** | **Malaria** | **Measles** | **Meningitis** | **NNT** | **Plague** | | **Typhoid**  **Fever** |
| Kapchorwa | 90 | 0 | 2 | 0 | 15 | 0 | 772 | 2 | 0 | 0 | 0 | 0 | |
| Kasese | 80 | 0 | 3 | 0 | 14 | 0 | 3,240 | 0 | 0 | 0 | 0 | 0 | |
| Katakwi | 23 | 0 | 0 | 0 | 0 | 0 | 498 | 0 | 0 | 0 | 0 | 0 | |
| Kayunga | 84 | 0 | 1 | 0 | 13 | 0 | 1144 (1) | 0 | 0 | 0 | 0 | 0 | |
| Kibaale | 35 | 0 | 4 | 0 | 8 | 0 | 905 | 17 | 0 | 0 | 0 | 4 | |
| Kiboga | 57 | 0 | 0 | 0 |  | 0 | 245 | 2 | 0 | 0 | 0 | 2 | |
| Kibuku | 87 | 0 | 1 | 0 | 5 | 0 | 441 | 0 | 0 | 0 | 0 | 0 | |
| Kiruhura | 70 | 0 | 2 | 0 |  | 0 | 1,381 | 0 | 0 | 0 | 0 | 6 | |
| Kiryandongo | 85 | 0 | 2 | 0 | 6 | 0 | 1,117 | 1 | 0 | 0 | 0 | 0 | |
| Kisoro | 87 | 0 | 0 | 0 | 2 | 0 | 128 | 0 | 0 | 0 | 0 | 0 | |
| Kitgum | 68 | 0 | 3 | 0 | 19 | 0 | 4230 (3) | 0 | 0 | 0 | 0 | 0 | |
| Koboko | 81 | 0 | 5 | 0 | 1 | 0 | 1,706 | 0 | 1 | 0 | 0 | 0 | |
| Kole | 91 | 0 | 1 | 0 | 0 | 0 | 2,177 | 0 | 0 | 0 | 0 | 3 | |
| Kotido | 32 | 0 | 0 | 0 | 24 | 0 | 707 | 0 | 0 | 0 | 0 | 0 | |
| Kumi | 56 | 1 | 1 | 0 | 3 | 0 | 726 | 0 | 0 | 0 | 0 | 0 | |
| Kween | 63 | 0 | 3 | 0 | 1 | 0 | 414 | 0 | 0 | 0 | 0 | 0 | |
| Kyankwanzi | 64 | 0 | 0 | 0 | 2 | 0 | 532 | 1 | 0 | 0 | 0 | 1 | |
| Kyegegwa | 100 | 0 | 1 | 0 | 0 | 0 | 1,140 | 9 | 0 | 0 | 0 | 4 | |
| Kyenjojo | 55 | 1 | 2 | 0 | 1 | 0 | 689 | 11 | 0 | 0 | 0 | 2 | |
| Lamwo | 81 | 0 | 0 | 0 | 4 | 0 | 2991 (1) | 4 | 0 | 0 | 0 | 0 | |
| Lira | 63 | 0 | 1 | 0 | 5 | 0 | 1099 (2) | 0 | 0 | 0 | 0 | 6 | |
| Luuka | 45 | 0 | 0 | 0 | 1 | 0 | 580 | 0 | 0 | 0 | 0 | 0 | |
| Luwero | 66 | 0 | 2 | 0 | 5 | 0 | 760 | 1 | 0 | 0 | 0 | 1 | |
| Lwengo | 39 | 0 | 1 | 0 | 0 | 0 | 360 | 0 | 0 | 0 | 0 | 0 | |
| Lyantonde | 33 | 0 | 1 | 0 | 4 | 0 | 371 | 0 | 0 | 0 | 0 | 3 | |
| Manafwa | 88 | 0 | 0 | 0 | 3 | 0 | 1,167 | 2 | 0 | 0 | 0 | 0 | |
| Maracha | 93 | 0 | 2 | 0 | 8 | 0 | 2,433 | 0 | 0 | 0 | 0 | 0 | |
| Masaka | 46 | 0 | 0 | 0 | 1 | 0 | 396 | 1 | 0 | 0 | 0 | 2 | |
| Masindi | 67 | 0 | 6 | 0 | 6 | 0 | 1156 (1) | 0 | 1 | 0 | 0 | 4 | |
| Mayuge | 28 | 0 | 0 | 0 | 5 | 0 | 659 | 0 | 0 | 0 | 0 | 0 | |
| Mbale | 72 | 2 | 13 | 0 | 7 | 0 | 1590 (3) | 3 | 1 | 0 | 0 | 1 | |
| Mbarara | 76 | 0 | 14 | 0 | 3 | 0 | 1,028 | 6 | 0 | 0 | 0 | 7 | |
| Mitooma | 67 | 0 | 4 | 0 | 1 | 0 | 741 | 0 | 0 | 0 | 0 | 1 | |
| Mityana | 54 | 0 | 4 | 0 | 0 | 0 | 798 | 6 | 0 | 0 | 0 | 2 | |
| Moroto | 53 | 0 | 1 | 0 | 2 | 0 | 825 | 0 | 0 | 0 | 0 | 0 | |
| Moyo | 98 | 0 | 2 | 0 | 22 | 0 | 3,914 | 0 | 0 | 0 | 0 | 1 | |
| Mpigi | 80 | 0 | 0 | 0 | 5 | 0 | 771 | 0 | 0 | 0 | 0 | 1 | |
| Mubende | 9 | 0 | 2 | 0 | 16 | 0 | 208 | 7 | 0 | 0 | 0 | 2 | |
| Mukono | 63 | 0 | 1 | 0 | 16 | 0 | 1,175 | 4 | 0 | 0 | 0 | 1 | |
| Nakapiripirit | 71 | 0 | 2 | 0 | 14 | 0 | 942 | 0 | 0 | 0 | 0 | 0 | |
| Nakaseke | 79 | 0 | 5 | 0 | 5 | 0 | 989 | 3 | 1 | 0 | 0 | 3 | |
| Nakasongola | 23 | 0 | 1 | 0 | 2 | 0 | 321 | 0 | 0 | 0 | 0 | 0 | |
| Namayingo | 28 | 0 | 0 | 0 | 3 | 0 | 408 | 0 | 0 | 0 | 0 | 3 | |
| Namutumba | 68 | 0 | 1 | 0 | 4 | 0 | 1,651 | 0 | 0 | 0 | 0 | 0 | |
| Napak | 79 | 0 | 10 | 0 | 11 | 0 | 1,299 | 0 | 0 | 0 | 0 | 0 | |
| Nebbi | 74 | 0 | 7 | 0 | 25 | 0 | 3660 (3) | 0 | 0 | 0 | 0 | 2 | |
| Ngora | 100 | 0 | 0 | 0 | 1 | 0 | 723 | 0 | 0 | 0 | 0 | 0 | |
| Ntoroko | 67 | 0 | 1 | 0 | 8 | 0 | 201 | 1 | 0 | 0 | 0 | 0 | |
| Ntungamo | 48 | 0 | 7 | 0 | 0 | 0 | 232 | 0 | 0 | 0 | 0 | 0 | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **District** | **% of H/U**  **reporting** | **AFP** | **Animal bite (Suspected Rabies)** | **Cholera** | **Dysentery** | **Guinea**  **Worm** | **Malaria** | **Measles** | **Meningitis** | **NNT** | **Plague** | | **Typhoid**  **Fever** |
| Nwoya | 78 | 0 | 2 | 0 | 0 | 0 | 1,429 | 0 | 0 | 0 | 0 | 0 | |
| Otuke | 67 | 0 | 0 | 0 | 0 | 0 | 131 (1) | 0 | 0 | 0 | 0 | 0 | |
| Oyam | 71 | 0 | 0 | 0 | 1 | 0 | 2,539 | 0 | 0 | 0 | 0 | 0 | |
| Pader | 41 | 0 | 1 | 0 | 11 | 0 | 3,078 | 0 | 0 | 0 | 0 | 0 | |
| Pallisa | 79 | 0 | 1 | 0 | 2 | 0 | 1,710 | 4 | 0 | 0 | 0 | 0 | |
| Rakai | 33 | 0 | 1 | 0 | 3 | 0 | 934 | 4 | 0 | 0 | 0 | 6 | |
| Rubirizi | 53 | 0 | 0 | 0 | 1 (1) | 0 | 327 | 0 | 0 | 0 | 0 | 0 | |
| Rukungiri | 78 | 0 | 0 | 0 | 1 | 0 | 979 | 2 | 0 | 0 | 0 | 1 | |
| Sembabule | 63 | 0 | 0 | 0 | 5 | 0 | 716 | 0 | 0 | 0 | 0 | 0 | |
| Serere | 67 | 0 | 1 | 0 | 5 | 0 | 965 | 0 | 0 | 0 | 0 | 0 | |
| Sheema | 88 | 0 | 1 | 0 | 0 | 0 | 884 | 0 | 0 | 0 | 0 | 1 | |
| Sironko | 80 | 0 | 0 | 0 | 0 | 0 | 1,111 | 0 | 0 | 0 | 0 | 0 | |
| Soroti | 46 | 0 | 3 | 0 | 4 | 0 | 2,077 | 0 | 0 | 0 | 0 | 0 | |
| Tororo | 86 | 0 | 9 | 0 | 5 | 0 | 1,847 | 2 | 0 | 0 | 0 | 1 | |
| Wakiso | 40 | 0 | 5 | 0 | 9 | 0 | 2,490 | 10 | 0 | 0 | 0 | 1 | |
| Yumbe | 96 | 0 | 6 | 0 | 22 | 0 | 4023 (2) | 0 | 0 | 0 | 0 | 0 | |
| Zombo | 100 | 0 | 1 | 0 | 13 | 0 | 974 | 1 | 0 | 0 | 0 | 0 | |
| **National** | **65** | **6 (0)** | **(0)** | **0** | **657 (0)** | **0** | **148470**  **(37)** | **136 (0)** | **5 (0)** | **0** | **0** | **1391 (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**