

**Summary Table**



|  |  |  |
| --- | --- | --- |
| **Indicator** | **Week 26**  **2015** | **Week**  **27 2015** |
| % Districts | 99 | 99 |
| Ave % HU | 67 | 68 |
| % Timely  reports | 82 | 79 |
| AFP | 3(0) | 3(0) |
| Rabies | 417(1) | 372(0) |
| Cholera | 10(0) | 10(0) |
| Dysentery | 1147(0) | 984(0) |
| Guinea  Worm | 4(0) | 3(0) |
| Malaria | 255532  (69) | 252738  (67) |
| Measles | 149(0) | 199(0) |
| Meningitis | 13(4) | 35(2) |
| NNT | 0 | 4(1) |
| Plague | 0 | 0 |
| Typhoid | 2400(4) | 2245(6) |

**Completeness of Reporting**

The percentage of health facilities that reported remained at 99%. The national reporting rate slightly improved from 67% in week 26 to 68% in week

27. Thirty six districts (32%) achieved

the set target of ≥80% are highlighted in yellow (100%) and green (80-99%). Up to 68% of districts did not achieve the target for reporting (highlighted in red). Kampala reporting level has improved to 64% from <10% at the start of 2015.

**Timeliness**

Overall timely reporting reduced from

82% in week 26 to 78% in

epidemiological week 27.

**Epidemiological week 27 [28th June – 4th July 2015] Disease Outbreaks**

**Cholera**: Ten cholera cases were reported by Kasese district in week

27. There are no new cases in the last one week. As of 15 July 2015, a total of 246 suspected/confirmed cases including 2 deaths (CFR 0.8%) have been reported. The cases were managed in Bwera, Katwe- Kabatoro and Kinyabwamba cholera treatment centres.

**Measles:** There was an increase in the number of measles cases compared to what was reported in week 26. Three districts reported more than 10 suspected cases with the highest number reported from Kampala (59) followed by Kamwenge (16) where there is a confirmed measles outbreak. The MoH, through its Field Epidemiology Fellowship Program, is currently conducting an extended epidemiological investigation. Weekly data from Kamwenge district shows that number of measles cases started rising in week 19 (**Figure 1).**

**Typhoid fever:** Typhoid cases continued to decline from 2594 in week 25 to 2400 in week 26 and 2245 in the week 27. Thirty districts reported more than 20 cases of typhoid with the highest number of cases (421) reported by Kampala district. Data from Kampala indicates that the district has gone back to endemic after having an outbreak. Typhoid levels **(Figure 2).** Six deaths were attributed to typhoid fever; one in Maracha, 2 in Luweero and 3 in Kibaale districts.

**Other priority diseases**

**AFP:** Three cases of AFP were reported by 3 districts i.e. Kampala, Kiryandongo and Tororo.

**Rabies:** There was a slight decrease in the number of reported cases of animal bites from 417 in week 26 to 372 in week 27.

**Dysentery**: The number of reported dysentery cases reduced from

1147 in week 26 to 984 in week 27. Thirty two districts reported 10 or more cases. Zombo district reported 12 cases compared to 146 cases reported in week 26.

**Meningitis:** There was an increase in the number suspected cases of Meningitis from 13 in week 26 to 35 in week

27. Kibaale district reported the highest number of cases (25). This data need verification from the DHO.

**Malaria:** Across all regions of the country, the number of reported malaria cases is still increasing **(Figure 3).** The Northern region bears the brunt of malaria upsurge with 10 districts confirmed to be having an outbreak. Data shows that the number of cases in the 10 affected districts is still increasing rapidly **(Figure 4).**

**Neonatal tetanus:** Four cases of neonatal tetanus and one death were reported in 3 districts; Hoima (2 cases, 1 death), Namayingo (1 case) and Maracha (1 case).

**Human Influenza:** Out of 15 samples processed by the Makerere University Walter Reed Influenza Project and the National Influenza Centre in Entebbe, none was positive. Only 3 cases have been positive for Influenza B.

**Guinea worm:** Three cases were reported from Kampala. The information has been shared with GWEP for full investigation. The previous cases were investigated and found to be due to cutaneous larva migrans. One case investigated in Hoima was also not positive. A full audit of all the cases reported this year is undergoing by the GWEP, and a report will be reported for the first half of 2015.

**Maternal deaths:** Seventeen maternal deaths were reported 11 districts. However, the 5 deaths reported from

Busembatia HC III (Iganga district) has been confirmed to be a data entry error.

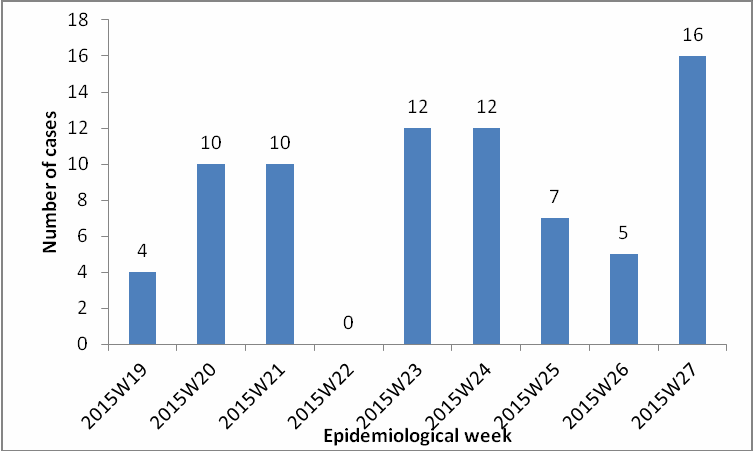
**International health events**:

**Middle East Respiratory Syndrome (MERS–COV):**

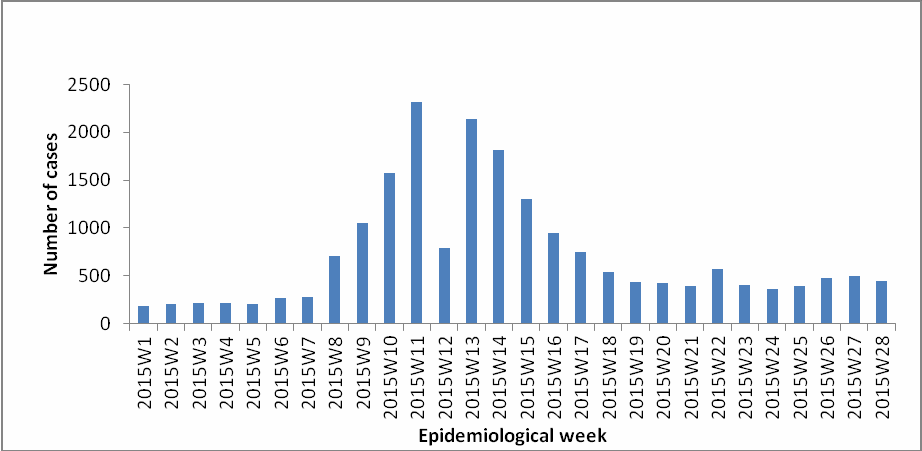
by 15th July 2015, two new cases and no death have been reported in South Korea but no case or death occurred in Saudi Arabia. To date, there have been a total of: 189 laboratory-confirmed cases of MERS-CoV infection, 33 deaths, 56 recoveries, and 13 currently under treatment (www.promedmail.com).

**Crimean Congo Haemorrhagic fever (CCHF):** This disease, which was first confirmed from Russia, has killed one person in Pakistan. Two cases have been reported in Philippines with a travel link to Parkistan. The disease is transmitted through tick bites or contact with infected human blood or animal blood and tissues. However, the exact source of infection for this case is not yet known. CCHF is endemic in Pakistan and Afghanistan.

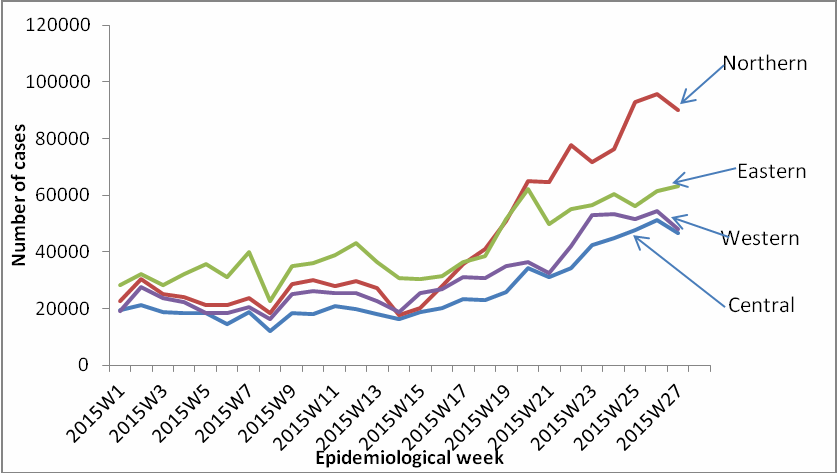
**Zika Virus in Ceara State, Brazil:** As of 15th July, 2 new cases of 14 samples tested were positive for the virus. There is similarity of clinical case definitions of suspected cases of measles and those of Zika virus [infection], as both diseases include fever, rash, and conjunctivitis. Mass vaccination in the affected state to interrupt transmission of measles has been planned.



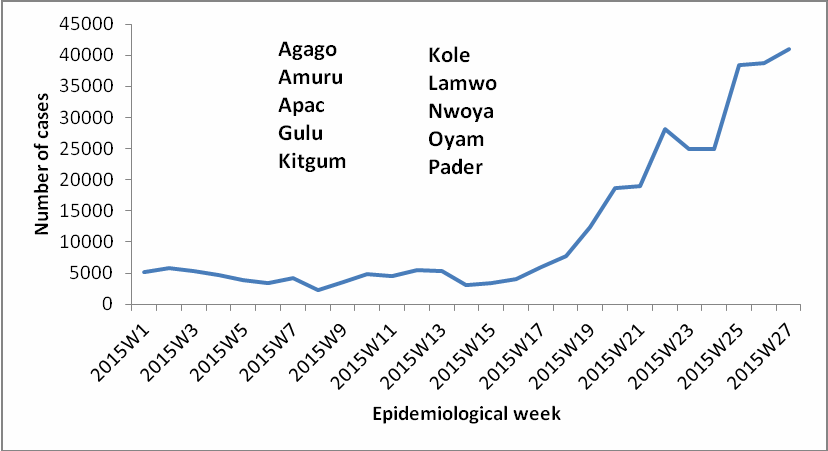
**Figure 1: Measles cases in Kamwenge district by epidemiological week**



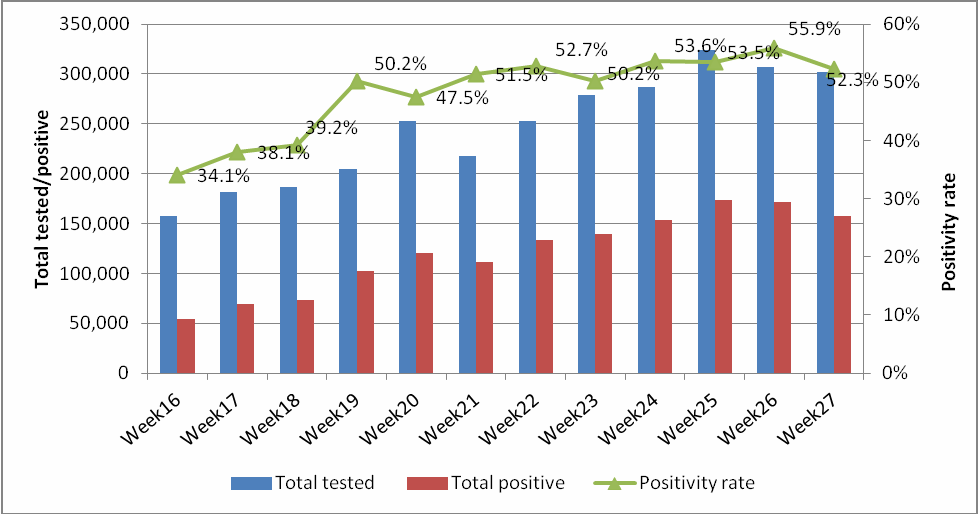
**Figure 2: Typhoid cases in Kampala district by epidemiological week**



**Figure 3: Malaria cases by epidemiological week; 2014-2015**



**Figure 4: Malaria cases by epidemiological week in 10 districts**



**Figure 5: Malaria positivity from epidemiological week 16 to 27 shows an increasing trend**

**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*

***For comments please contact: The Epidemiological Surveillance Division- M.O.H; P.O BOX 7272 Kampala, Tel: 0414-340874/0414-345108; Email:*** [***esd@health.go.ug***](mailto:esd@health.go.ug) ***or*** [***esduganda@yahoo.co.uk***](mailto:esduganda@yahoo.co.uk)

**Summary table for epidemiological reports received for week ending 4th July 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 | 70 | 0 | 0 | 0 | 9 | 0 | 1255 | 0 | 0 | 0 | 0 | 1 |
| Adjumani | 74 | 0 | 3 | 0 | 31 | 0 | 3806 | 0 | 0 | 0 | 0 | 0 |
| Agago | 85 | 0 | 2 | 0 | 35 | 0 | 3029 | 0 | 0 | 0 | 0 | 9 |
| Alebtong | 41 | 0 | 1 | 0 | 5 | 0 | 1150 | 0 | 0 | 0 | 0 | 4 |
| Amolatar | 77 | 0 | 0 | 0 | 1 | 0 | 1049 | 0 | 0 | 0 | 0 | 3 |
| Amudat | 100 | 0 | 0 | 0 | 5 | 0 | 370 | 0 | 0 | 0 | 0 | 14 |
| Amuria | 82 | 0 | 6 | 0 | 3 | 0 | 4249 | 1 | 2(2) | 0 | 0 | 1 |
| Amuru | 81 | 0 | 1 | 0 | 19 | 0 | 3872 | 0 | 0 | 0 | 0 | 0 |
| Apac | 69 | 0 | 1 | 0 | 0 | 0 | 4907 | 0 | 0 | 0 | 0 | 0 |
| Arua | 79 | 0 | 9 | 0 | 37 | 0 | 7277 | 4 | 1 | 0 | 0 | 84 |
| Budaka | 74 | 0 | 3 | 0 | 6 | 0 | 1128 | 0 | 0 | 0 | 0 | 26 |
| Bududa | 87 | 0 | 1 | 0 | 4 | 0 | 1230(2) | 0 | 0 | 0 | 0 | 7 |
| Bugiri | 76 | 0 | 3 | 0 | 8 | 0 | 3033(9) | 0 | 0 | 0 | 0 | 47 |
| Buhweju | 47 | 0 | 0 | 0 | 0 | 0 | 185 | 0 | 0 | 0 | 0 | 0 |
| Buikwe | 89 | 0 | 8 | 0 | 9 | 0 | 3383 | 4 | 0 | 0 | 0 | 81 |
| Bukedea | 24 | 0 | 0 | 0 | 2 | 0 | 212 | 0 | 0 | 0 | 0 | 0 |
| Bukomansimbi | 71 | 0 | 0 | 0 | 1 | 0 | 1000 | 0 | 0 | 0 | 0 | 0 |
| Bukwo | 94 | 0 | 9 | 0 | 41 | 0 | 525 | 0 | 0 | 0 | 0 | 31 |
| Bulambuli | 84 | 0 | 0 | 0 | 0 | 0 | 894 | 0 | 0 | 0 | 0 | 0 |
| Buliisa | 73 | 0 | 1 | 0 | 3 | 0 | 912 | 0 | 0 | 0 | 0 | 8 |
| Bundibugyo | 70 | 0 | 3 | 0 | 13 | 0 | 1834 | 0 | 0 | 0 | 0 | 23 |
| Bushenyi | 58 | 0 | 6 | 0 | 0 | 0 | 1089 | 1 | 0 | 0 | 0 | 42 |
| Busia | 83 | 0 | 2 | 0 | 12 | 0 | 2931 | 1 | 0 | 0 | 0 | 14 |
| Butaleja | 92 | 0 | 3 | 0 | 10 | 0 | 2406(2) | 0 | 0 | 0 | 0 | 8 |
| Butambala | 91 | 0 | 3 | 0 | 2 | 0 | 1511(1) | 0 | 0 | 0 | 0 | 29 |
| Buvuma | 55 | 0 | 0 | 0 | 1 | 0 | 130 | 5 | 0 | 0 | 0 | 0 |
| Buyende | 77 | 0 | 0 | 0 | 1 | 0 | 1471 | 0 | 0 | 0 | 0 | 0 |
| Dokolo | 100 | 0 | 4 | 0 | 10 | 0 | 3288 | 0 | 0 | 0 | 0 | 5 |
| Gomba | 84 | 0 | 1 | 0 | 1 | 0 | 1270 | 0 | 0 | 0 | 0 | 2 |
| Gulu | 67 | 0 | 4 | 0 | 33 | 0 | 10993(3) | 0 | 3 | 0 | 0 | 56 |
| Hoima | 67 | 0 | 8 | 0 | 45 | 0 | 5620(4) | 2 | 1 | 2(1) | 0 | 82 |
| Ibanda | 49 | 0 | 2 | 0 | 0 | 0 | 2172 | 1 | 0 | 0 | 0 | 1 |
| Iganga | 59 | 0 | 1 | 0 | 0 | 0 | 3284(2) | 0 | 0 | 0 | 0 | 6 |
| Isingiro | 71 | 0 | 2 | 0 | 7(1) | 0 | 3373 | 0 | 0 | 0 | 0 | 54 |
| Jinja | 28 | 0 | 5 | 0 | 6 | 0 | 2404(5) | 0 | 0 | 0 | 0 | 12 |
| Kaabong | 70 | 0 | 12 | 0 | 38 | 0 | 2789 | 1 | 0 | 0 | 0 | 26 |
| Kabale | 89 | 0 | 5 | 0 | 0 | 0 | 342 | 0 | 0 | 0 | 0 | 0 |
| Kabarole | 75 | 0 | 10 | 0 | 7 | 0 | 3613(3) | 4 | 0 | 0 | 0 | 18 |
| Kaberamaido | 40 | 0 | 1 | 0 | 4 | 0 | 1768 | 0 | 0 | 0 | 0 | 18 |
| Kalangala | 56 | 0 | 1 | 0 | 14 | 0 | 221 | 4 | 0 | 0 | 0 | 0 |
| Kaliro | 52 | 0 | 0 | 0 | 1 | 0 | 1115 | 0 | 0 | 0 | 0 | 14 |
| Kalungu | 48 | 0 | 0 | 0 | 2 | 0 | 1619 | 5 | 0 | 0 | 0 | 1 |
| Kampala | 64 | 1 | 37 | 0 | 27 | 3 | 5606(1) | 59 | 3 | 0 | 0 | 421 |
| Kamuli | 55 | 0 | 4 | 0 | 1 | 0 | 3554 | 1 | 0 | 0 | 0 | 7 |
| Kamwenge | 100 | 0 | 1 | 0 | 6 | 0 | 4108(2) | 16 | 0 | 0 | 0 | 14 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **District** | **% of H/U**  **reporting** | **AFP** | **Animal bite**  **(Suspected**  **Rabies)** | **Cholera** | **Dysentery** | **Guinea**  **Worm** | **Malaria** | **Measles** | **Meningitis** | **NNT** | **Plague** | **Typhoid**  **Fever** |
| Kanungu | 42 | 0 | 0 | 0 | 6 | 0 | 631 | 1 | 0 | 0 | 0 | 31 |
| Kapchorwa | 90 | 0 | 2 | 0 | 18 | 0 | 1051(1) | 0 | 0 | 0 | 0 | 2 |
| Kasese | 58 | 0 | 3 | 10 | 8 | 0 | 4454(5) | 2 | 0 | 0 | 0 | 26 |
| Katakwi | 44 | 0 | 0 | 0 | 3 | 0 | 1710 | 0 | 0 | 0 | 0 | 0 |
| Kayunga | 80 | 0 | 7 | 0 | 23 | 0 | 3032 | 1 | 0 | 0 | 0 | 2 |
| Kibaale | 62 | 0 | 10 | 0 | 57 | 0 | 2384(2) | 1 | 25 | 0 | 0 | 96 (3) |
| Kiboga | 54 | 0 | 0 | 0 | 0 | 0 | 492 | 0 | 0 | 0 | 0 | 1 |
| Kibuku | 87 | 0 | 1 | 0 | 10 | 0 | 798 | 0 | 0 | 0 | 0 | 0 |
| Kiruhura | 61 | 0 | 3 | 0 | 0 | 0 | 2034 | 2 | 0 | 0 | 0 | 1 |
| Kiryandongo | 65 | 1 | 0 | 0 | 8 | 0 | 2153 | 0 | 0 | 0 | 0 | 17 |
| Kisoro | 90 | 0 | 8 | 0 | 2 | 0 | 250 | 1 | 0 | 0 | 0 | 4 |
| Kitgum | 62 | 0 | 7 | 0 | 17 | 0 | 4161(1) | 0 | 0 | 0 | 0 | 10 |
| Koboko | 94 | 0 | 3 | 0 | 1 | 0 | 2915 | 3 | 0 | 0 | 0 | 0 |
| Kole | 83 | 0 | 2 | 0 | 1 | 0 | 3060 | 0 | 0 | 0 | 0 | 0 |
| Kotido | 37 | 0 | 0 | 0 | 38 | 0 | 1326 | 0 | 0 | 0 | 0 | 59 |
| Kumi | 71 | 0 | 1 | 0 | 9 | 0 | 2798 | 0 | 0 | 0 | 0 | 27 |
| Kween | 89 | 0 | 1 | 0 | 3 | 0 | 682 | 0 | 0 | 0 | 0 | 3 |
| Kyankwanzi | 58 | 0 | 1 | 0 | 0 | 0 | 1184 | 0 | 0 | 0 | 0 | 17 |
| Kyegegwa | 87 | 0 | 0 | 0 | 1 | 0 | 1726(2) | 2 | 0 | 0 | 0 | 2 |
| Kyenjojo | 73 | 0 | 6 | 0 | 8 | 0 | 2513 | 9 | 0 | 0 | 0 | 15 |
| Lamwo | 85 | 0 | 0 | 0 | 0 | 0 | 6196(2) | 0 | 0 | 0 | 0 | 0 |
| Lira | 56 | 0 | 1 | 0 | 5 | 0 | 2645(1) | 0 | 0 | 0 | 0 | 42 |
| Luuka | 68 | 0 | 0 | 0 | 0 | 0 | 1451 | 0 | 0 | 0 | 0 | 0 |
| Luwero | 76 | 0 | 4 | 0 | 15 | 0 | 3545 | 10 | 0 | 0 | 0 | 76 (2) |
| Lwengo | 26 | 0 | 0 | 0 | 2 | 0 | 693 | 1 | 0 | 0 | 0 | 4 |
| Lyantonde | 26 | 0 | 0 | 0 | 0 | 0 | 788 | 0 | 0 | 0 | 0 | 17 |
| Manafwa | 92 | 0 | 1 | 0 | 3 | 0 | 2718 | 0 | 0 | 0 | 0 | 38 |
| Maracha | 100 | 0 | 4 | 0 | 14 | 0 | 3252 | 0 | 0 | 1 | 0 | 29 (1) |
| Masaka | 84 | 0 | 2 | 0 | 1 | 0 | 2272(4) | 2 | 0 | 0 | 0 | 14 |
| Masindi | 76 | 0 | 16 | 0 | 10 | 0 | 2563 | 1 | 0 | 0 | 0 | 10 |
| Mayuge | 57 | 0 | 1 | 0 | 4 | 0 | 1597 | 3 | 0 | 0 | 0 | 0 |
| Mbale | 91 | 0 | 4 | 0 | 2 | 0 | 2443 | 0 | 0 | 0 | 0 | 15 |
| Mbarara | 78 | 0 | 5 | 0 | 8 | 0 | 1518 | 4 | 0 | 0 | 0 | 42 |
| Mitooma | 58 | 0 | 0 | 0 | 0 | 0 | 1145 | 0 | 0 | 0 | 0 | 0 |
| Mityana | 51 | 0 | 8 | 0 | 2 | 0 | 2745(2) | 7 | 0 | 0 | 0 | 1 |
| Moroto | 79 | 0 | 3 | 0 | 8 | 0 | 1079 | 2 | 0 | 0 | 0 | 11 |
| Moyo | 98 | 0 | 5 | 0 | 18 | 0 | 4239 | 0 | 0 | 0 | 0 | 40 |
| Mpigi | 87 | 0 | 1 | 0 | 2 | 0 | 2033(1) | 1 | 0 | 0 | 0 | 31 |
| Mubende | 25 | 0 | 6 | 0 | 5 | 0 | 1786(1) | 7 | 0 | 0 | 0 | 17 |
| Mukono | 69 | 0 | 1 | 0 | 13 | 0 | 2616 | 6 | 0 | 0 | 0 | 7 |
| Nakapiripirit | 94 | 0 | 3 | 0 | 15 | 0 | 1899 | 0 | 0 | 0 | 0 | 21 |
| Nakaseke | 68 | 0 | 7 | 0 | 3 | 0 | 1705 | 7 | 0 | 0 | 0 | 65 |
| Nakasongola | 29 | 0 | 3 | 0 | 4 | 0 | 1121 | 2 | 0 | 0 | 0 | 5 |
| Namayingo | 25 | 0 | 0 | 0 | 7 | 0 | 1111 | 0 | 0 | 1 | 0 | 2 |
| Namutumba | 53 | 0 | 0 | 0 | 0 | 0 | 1266 | 0 | 0 | 0 | 0 | 0 |
| Napak | 79 | 0 | 4 | 0 | 18 | 0 | 1300 | 0 | 0 | 0 | 0 | 1 |
| Nebbi | 86 | 0 | 13 | 0 | 58 | 0 | 5260(2) | 0 | 0 | 0 | 0 | 19 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **District** | **% of H/U**  **reporting** | **AFP** | **Animal bite**  **(Suspected**  **Rabies)** | **Cholera** | **Dysentery** | **Guinea**  **Worm** | **Malaria** | **Measles** | **Meningitis** | **NNT** | **Plague** | **Typhoid**  **Fever** |
| Ngora | 58 | 0 | 1 | 0 | 1 | 0 | 1250 | 0 | 0 | 0 | 0 | 0 |
| Ntoroko | 67 | 0 | 0 | 0 | 1 | 0 | 186 | 1 | 0 | 0 | 0 | 2 |
| Ntungamo | 46 | 0 | 4 | 0 | 3 | 0 | 736 | 0 | 0 | 0 | 0 | 3 |
| Nwoya | 79 | 0 | 1 | 0 | 0 | 0 | 1732(2) | 0 | 0 | 0 | 0 | 0 |
| Otuke | 77 | 0 | 1 | 0 | 0 | 0 | 1268 | 0 | 0 | 0 | 0 | 5 |
| Oyam | 71 | 0 | 5 | 0 | 5 | 0 | 3412(1) | 0 | 0 | 0 | 0 | 6 |
| Pader | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| Pallisa | 79 | 0 | 4 | 0 | 8 | 0 | 2588 | 0 | 0 | 0 | 0 | 9 |
| Rakai | 27 | 0 | 0 | 0 | 3 | 0 | 2800 | 4 | 0 | 0 | 0 | 15 |
| Rubirizi | 82 | 0 | 0 | 0 | 1 | 0 | 1156 | 0 | 0 | 0 | 0 | 13 |
| Rukungiri | 54 | 0 | 12 | 0 | 1 | 0 | 1099 | 3 | 0 | 0 | 0 | 3 |
| Sembabule | 50 | 0 | 2 | 0 | 6 | 0 | 1937 | 0 | 0 | 0 | 0 | 87 |
| Serere | 59 | 0 | 3 | 0 | 5 | 0 | 1622 | 0 | 0 | 0 | 0 | 0 |
| Sheema | 74 | 0 | 8 | 0 | 0 | 0 | 1394 | 0 | 0 | 0 | 0 | 0 |
| Sironko | 100 | 0 | 0 | 0 | 3 | 0 | 2729 | 0 | 0 | 0 | 0 | 0 |
| Soroti | 76 | 0 | 6 | 0 | 19 | 0 | 4246 | 0 | 0 | 0 | 0 | 33 |
| Tororo | 54 | 1 | 7 | 0 | 3 | 0 | 3919 | 0 | 0 | 0 | 0 | 18 |
| Wakiso | 45 | 0 | 3 | 0 | 10 | 0 | 3969 | 7 | 0 | 0 | 0 | 51 |
| Yumbe | 96 | 0 | 1 | 0 | 13 | 0 | 3143 | 0 | 0 | 0 | 0 | 9 |
| Zombo | 90 | 0 | 4 | 0 | 12 | 0 | 1235 | 0 | 0 | 0 | 0 | 2 |
| National | 68 | 3(0) | 372(0) | 10  (0) | 984  (0) | 3(0) | 252738(67) | 199  (0) | 35  (2) | 4(1) | 0(0) | 2245(  6) |

HU= Health Units, AFP=Acute Flaccid Paralysis, NNT=Neonatal Tetanus

**Compiled by the Epidemiological Surveillance Division, Ministry of Health**