

**Summary Table**



**Epidemiological week 21 0f 2015 [17th – 23rd May 2015] Disease Outbreaks**

**Cholera**: In **Kasese** district, the cholera outbreak in Kasese started on

**14/03/2015. By 31st May, 105 cases 1 death (CFR 1.0%)** had been reported at Bwera Hospital cholera treatment centre. From the

laboratory results, the outbreak was caused by *Vibrio cholera inaba*. In

week 21, Kasese district reported **3 cases** and from daily situation reports from the district, by 2nd June, no cases were admitted in the CTC. **Bundibugyo** had no case this week.

**Completeness of Reporting**

Amudat district did not report this week but others did (99.1%) reported and

52% (1997 of 3841) of the health units submitted reports this week. **Moyo, Butambala, Arua and Maracha** had

**100%** completeness. Only 15 **districts achieved the targeted 80% of the health units reporting compared to**

**34 in week 20** (highlighted in yellow in summary table)**.** Pader, Namayingo and Mubende with less than 20% (districts with <50% are highlighted in pink). Comparison of the reporting levels by region show that the northern region districts are above and the central region is trailing (**Figure 1**).

**Timeliness**

At national level, 54% (1074 out of

1997) health facilities submitted timely reports. Only 15 out of 112 districts had

80-100% of their facilities reporting timely.

**Measles: Wakiso, Luwero, Buikwe, Nakaseke, Kampala, Kamwenge and Mubende** reported 10 or more cases. **Kamwenge** confirmed and surpassed the epidemic threshold of confirmed measles cases; line listed 23 confirmed cases and thus has received additional support from the national level and WHO. In week 21, **39 districts** reported at least one case. From EPI/UVRI laboratory report of 2nd June, 6 out of 32 districts with suspected cases, had confirmed cases but 29 had confirmed rubella cases (**Figure 2**). Total lab confirmed and probable cases are 70, and the majority (79%) were 0-

9 years old. Of the 70 cases, 44% were vaccinated but 29% had unknown history.

|  |  |  |
| --- | --- | --- |
| **Indicator** | **Week 20**  **2015** | **Week**  **21 2015** |
| % Districts | 100 | 99 |
| Ave % HU | 64 | 52 |
| % Timely reports | 76 | 54 |
| AFP | 1(0) | 2(0) |
| Rabies | 448(1) | 579(0) |
| Cholera | 5(0) | 3(0) |
| Dysentery | 1263(0) | 1583(0) |
| Guinea  Worm | 0(0) | 0(0) |
| Malaria | 197122  (38) | 179864  (40) |
| Measles | 213(0) | 208(0) |
| Meningitis | 72(0) | 114(0) |
| NNT | 0(0) | 1(0) |
| Plague | 0(0) | 0(0) |
| Typhoid | 2083(0) | 1878(0) |

**Typhoid fever:** The typhoid fever outbreak started in week 48, 2014 in Kampala district. **The majority of cases reside in Makindye and Rubaga divisions.** The analysis of the daily records at the treatment centres reveals reduction in numbers. From analysis of the line lists,

**7628 cases were meeting the case definition.** In week 21, 35

districts had 5 or more cases per 100,000 population. Notably, Sembabule, Nakaseke, Lyantonde, Kotido, Kampala and Butambala had 20 or more cases /100,000 population.

**Other priority diseases**

**AFP:** Sheema and Kiryandongo Districts reported one case each. Koboko reported 21 cases which seem to be an error but the district is yet to clarify.

**Rabies:** Seventy seven districts reported one or more cases of animal bites as a proxy for rabies. Districts with 10 cases or more were 9 and the highest number of animal bites reported was from Kampala (146), Wakiso (63) and Kabarole (38).

**Dysentery**: This week, 93 districts reported at least a case of dysentery and of these, 38 districts had 10 or more cases. The cases reported increased significantly due to probable mistakes in Koboko and Hoima Districts which had 336 and 234 cases respectively. Kotido (96) and Kampala (48) also had high numbers. None of the districts reported related detailed **laboratory investigations** to rule out epidemic dysentery due to ***Shigella*** species.

**Malaria:** The cases decreased by 20% in week 21 reflecting the reduction in reporting levels and completeness of the data. Districts with more than 3000 cases were 15 but Arua (8667), Gulu (5083), Nebbi (4747) reported highest numbers. Although the malaria testing rate is consistently high, there is a wide disparity (less than 50% positivity) between suspected and treated cases **(Figure 3).**

**Meningitis:** Meningitis cases were reported in Mbarara (4), Gulu (3), Kiruhura (1) and Nebbi (1). Hoima District reported 105 cases in week 21 compared to 64 in week 20, which will be verified.

**Neonatal tetanus:** Kasese District reported one case.

**Human Influenza:** In week 21 The Makerere University Walter Reed Influenza Surveillance Project data from sentinel surveillance sites for ILI collected 14 samples but none was positive. Since the year started, only 3

Influenza B viruses have been isolated.

**Guinea worm:** No case was reported.

**Maternal deaths:** In week 21, 1998 out of 3841 (54%) health facilities reported about maternal deaths. From five facilities, 17 deaths were reported and Kitayunjwa HC III accounted for 13 deaths. The attempts to contact the facility to verify this report were futile but similar reports were submitted previously. Related to this indicator, 2 perinatal deaths were reported in Koboko Hospital and Mubende RRH.

**International health events**:

**MERS-COV:** By 4th June, there were 35 cases in South Korea but Saudi Arabia has had 2 cases and 2 deaths

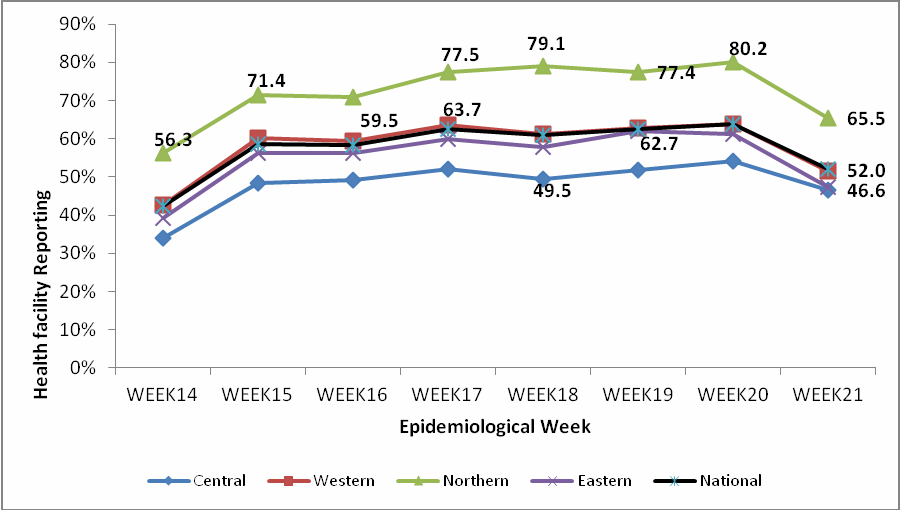
(100% CFR).

**Influenza H5 in Poultry:** Since 15th May, Accra, Ghana reported 2780 cases and 2780 deaths. Due to a susceptible population of 31267 birds, 28477 have been destroyed /slaughtered.

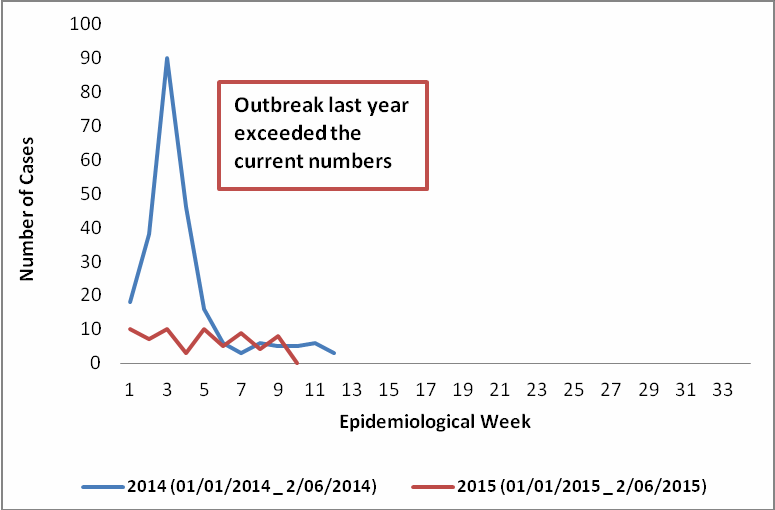
**Rabies:** One case (by 15th May) and death (27th May) reported in Bali, Indonesia in a female adult bitten by a rabid

dog.

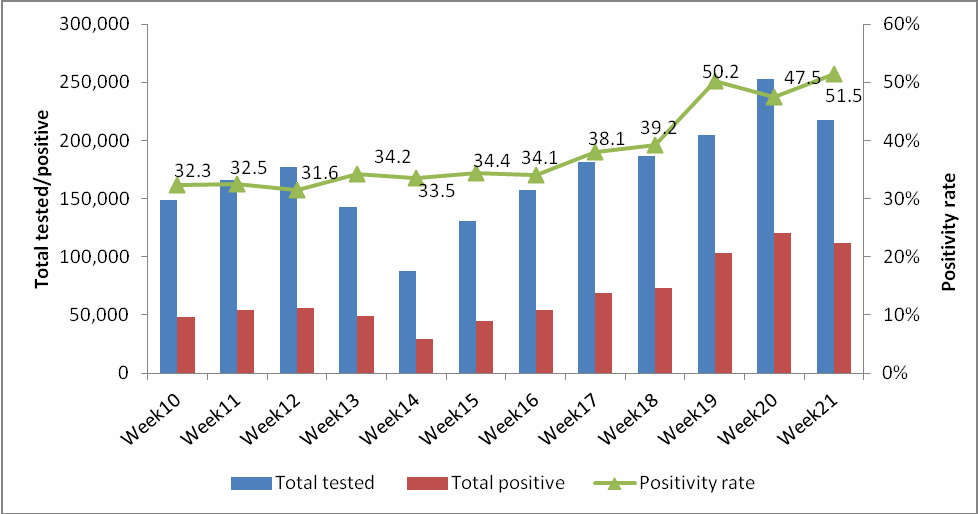
**Crimean Congo Hemorrhagic Fever:** In Pakistan, 1 case 1 death was reported in an animal trader. As of 4th June, contacts including health workers are being followed up. (**Source: Promed Mail**)



**Figure 1: Comparison of health facility reporting by region from weeks 9 to 20, 2015**



**Figure 2: Number of confirmed measles cases in 2014 and 2015**



**Figure 3: Malaria suspected and tested cases compared with percent positivity rate among the tested cases**

**Summary table for epidemiological reports received for week ending 23rd May 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 | 47 | 0 | 0 | 0 | 25 | 0 | 1038 | 0 | 0 | 0 | 0 | 0 |
| Adjumani | 69 | 0 | 3 | 0 | 18 | 0 | 3607 | 0 | 0 | 0 | 0 | 0 |
| Agago | 52 | 0 | 2 | 0 | 39 | 0 | 709 | 0 | 0 | 0 | 0 | 2 |
| Alebtong | 86 | 0 | 0 | 0 | 2 | 0 | 1242 | 0 | 0 | 0 | 0 | 8 |
| Amolatar | 62 | 0 | 2 | 0 | 6 | 0 | 418 | 0 | 0 | 0 | 0 | 1 |
| Amudat |  | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| Amuria | 68 | 0 | 6 | 0 | 2 | 0 | 4350 | 0 | 0 | 0 | 0 | 0 |
| Amuru | 32 | 0 | 0 | 0 | 21 | 0 | 1934(1) | 0 | 0 | 0 | 0 | 0 |
| Apac | 66 | 0 | 2 | 0 | 0 | 0 | 2979(1) | 0 | 0 | 0 | 0 | 99 |
| Arua | 96 | 0 | 12 | 0 | 34 | 0 | 8667(2) | 4 | 0 | 0 | 0 | 0 |
| Budaka | 31 | 0 | 0 | 0 | 2 | 0 | 719 | 0 | 0 | 0 | 0 | 6 |
| Bududa | 67 | 0 | 0 | 0 | 7 | 0 | 1266 | 1 | 0 | 0 | 0 | 16 |
| Bugiri | 33 | 0 | 4 | 0 | 9 | 0 | 1539 | 2 | 0 | 0 | 0 | 0 |
| Buhweju | 27 | 0 | 0 | 0 | 0 | 0 | 45 | 0 | 0 | 0 | 0 | 40 |
| Buikwe | 78 | 0 | 7 | 0 | 17 | 0 | 3433 | 14 | 0 | 0 | 0 | 3 |
| Bukedea | 18 | 0 | 0 | 0 | 2 | 0 | 192 | 1 | 0 | 0 | 0 | 2 |
| Bukomansimbi | 53 | 0 | 0 | 0 | 2 | 0 | 666 | 1 | 0 | 0 | 0 | 12 |
| Bukwo | 56 | 0 | 14 | 0 | 38 | 0 | 479 | 0 | 0 | 0 | 0 | 0 |
| Bulambuli | 75 | 0 | 0 | 0 | 1 | 0 | 1012 | 0 | 0 | 0 | 0 | 6 |
| Buliisa | 80 | 0 | 0 | 0 | 5 | 0 | 877 | 0 | 0 | 0 | 0 | 17 |
| Bundibugyo | 68 | 0 | 6 | 0 | 9 | 0 | 1950 | 0 | 0 | 0 | 0 | 38 |
| Bushenyi | 38 | 0 | 9 | 0 | 0 | 0 | 686 | 3 | 0 | 0 | 0 | 1 |
| Busia | 29 | 0 | 5 | 0 | 9 | 0 | 1554(1) | 0 | 0 | 0 | 0 | 0 |
| Butaleja | 42 | 0 | 2 | 0 | 9 | 0 | 1418 | 0 | 0 | 0 | 0 | 23 |
| Butambala | 100 | 0 | 3 | 0 | 3 | 0 | 1718 | 3 | 0 | 0 | 0 | 2 |
| Buvuma | 46 | 0 | 3 | 0 | 10 | 0 | 338 | 0 | 0 | 0 | 0 | 0 |
| Buyende | 60 | 0 | 0 | 0 | 4 | 0 | 1229 | 0 | 0 | 0 | 0 | 1 |
| Dokolo | 94 | 0 | 1 | 0 | 3 | 0 | 2132 | 0 | 0 | 0 | 0 | 0 |
| Gomba | 39 | 0 | 3 | 0 | 8 | 0 | 414 | 0 | 0 | 0 | 0 | 40 |
| Gulu | 65 | 0 | 14 | 0 | 53 | 0 | 5083(6) | 0 | 3 | 0 | 0 | 29 |
| Hoima | 59 | 0 | 18 | 0 | 88 | 0 | 2576 | 2 | 105 | 0 | 0 | 3 |
| Ibanda | 30 | 0 | 0 | 0 | 0 | 0 | 1373 | 3 | 0 | 0 | 0 | 0 |
| Iganga | 34 | 0 | 1 | 0 | 3 | 0 | 2734(1) | 0 | 0 | 0 | 0 | 56 |
| Isingiro | 59 | 0 | 1 | 0 | 7 | 0 | 1704 | 1 | 0 | 0 | 0 | 1 |
| Jinja | 28 | 0 | 7 | 0 | 31 | 0 | 2220(3) | 0 | 0 | 0 | 0 | 0 |
| Kaabong | 26 | 0 | 16 | 0 | 30 | 0 | 462(1) | 0 | 0 | 0 | 0 | 0 |
| Kabale | 77 | 0 | 8 | 0 | 0 | 0 | 288 | 0 | 0 | 0 | 0 | 64 |
| Kabarole | 77 | 0 | 10 | 0 | 4 | 0 | 2963(7) | 9 | 0 | 0 | 0 | 6 |
| Kaberamaido | 29 | 0 | 0 | 0 | 5 | 0 | 1474 | 0 | 0 | 0 | 0 | 5 |
| Kalangala | 71 | 0 | 0 | 0 | 13 | 0 | 376 | 4 | 0 | 0 | 0 | 0 |
| Kaliro | 40 | 0 | 0 | 0 | 2 | 0 | 1241 | 0 | 0 | 0 | 0 | 3 |
| Kalungu | 40 | 0 | 2 | 0 | 5 | 0 | 731 | 0 | 0 | 0 | 0 | 363 |
| Kampala | 25 | 0 | 49 | 0 | 28 | 1 | 2620 | 21 | 0 | 0 | 0 | 8 |
| Kamuli | 60 | 0 | 13 | 0 | 6 | 0 | 4308(3) | 1 | 0 | 0 | 0 | 2 |
| Kamwenge | 56 | 0 | 0 | 0 | 1 | 0 | 1986 | 10 | 0 | 0 | 0 | 45 |
| Kanungu | 41 | 0 | 2 | 0 | 1 | 0 | 609 | 1 | 0 | 0 | 0 | 9 |
| Kapchorwa | 94 | 0 | 14 | 0 | 32 | 0 | 992(1) | 0 | 0 | 0 | 0 | 18 |

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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** |
| Kasese | | | 61 | 0 | 2 | 3 | 6 | 0 | 3544(3) | 8 | 0 | 1 | 0 | 0 |
| Katakwi | | | 36 | 0 | 1 | 0 | 1 | 0 | 1715 | 0 | 0 | 0 | 0 | 0 |
| Kayunga | | | 29 | 0 | 6 | 0 | 31 | 0 | 840 | 0 | 0 | 0 | 0 | 104 |
| Kibaale | | | 66 | 0 | 0 | 0 | 24 | 0 | 2529 | 6 | 0 | 0 | 0 | 13 |
| Kiboga | | | 58 | 0 | 1 | 0 | 3 | 0 | 410 | 1 | 0 | 0 | 0 | 0 |
| Kibuku | | | 46 | 0 | 2 | 0 | 1 | 0 | 551 | 0 | 0 | 0 | 0 | 1 |
| Kiruhura | | | 66 | 0 | 9 | 0 | 0 | 0 | 1982 | 4 | 1 | 0 | 0 | 9 |
| Kiryandongo | | | 48 | 1 | 1 | 0 | 8 | 0 | 1140 | 3 | 0 | 0 | 0 | 3 |
| Kisoro | | | 97 | 0 | 0 | 0 | 1 | 0 | 299 | 3 | 0 | 0 | 0 | 6 |
| Kitgum | | | 29 | 0 | 20 | 0 | 22 | 0 | 1221 | 0 | 0 | 0 | 0 | 0 |
| Koboko | | | 100 | 0 | 1 | 0 | 2 | 0 | 3410 | 0 | 0 | 0 | 0 | 2 |
| Kole | | | 92 | 0 | 2 | 0 | 7 | 0 | 2003 | 0 | 0 | 0 | 0 | 49 |
| Kotido | | | 47 | 0 | 1 | 0 | 79 | 0 | 1014 | 0 | 0 | 0 | 0 | 9 |
| Kumi | | | 20 | 0 | 0 | 0 | 1 | 0 | 809 | 0 | 0 | 0 | 0 | 2 |
| Kween | | | 71 | 0 | 7 | 0 | 4 | 0 | 691 | 0 | 0 | 0 | 0 | 11 |
| Kyankwanzi | | | 54 | 0 | 0 | 0 | 2 | 0 | 1062 | 0 | 0 | 0 | 0 | 2 |
| Kyegegwa | | | 80 | 0 | 0 | 0 | 2 | 0 | 1577 | 5 | 0 | 0 | 0 | 3 |
| Kyenjojo | | | 42 | 0 | 5 | 0 | 8 | 0 | 800 | 7 | 0 | 0 | 0 | 0 |
| Lamwo | | | 70 | 0 | 0 | 0 | 0 | 0 | 886 | 0 | 0 | 0 | 0 | 6 |
| Lira | | | 30 | 0 | 1 | 0 | 11 | 0 | 1308(1) | 0 | 0 | 0 | 0 | 0 |
| Luuka | | | 25 | 0 | 1 | 0 | 0 | 0 | 617 | 0 | 0 | 0 | 0 | 88 |
| Luwero | | | 51 | 0 | 4 | 0 | 7 | 0 | 2157 | 15 | 0 | 0 | 0 | 24 |
| Lwengo | | | 26 | 0 | 3 | 0 | 0 | 0 | 444 | 2 | 0 | 0 | 0 | 19 |
| Lyantonde | | | 26 | 0 | 0 | 0 | 0 | 0 | 332 | 4 | 0 | 0 | 0 | 7 |
| Manafwa | | | 70 | 0 | 4 | 0 | 7 | 0 | 1653 | 0 | 0 | 0 | 0 | 22 |
| Maracha | | | 100 | 0 | 0 | 0 | 14 | 0 | 3122 | 0 | 0 | 0 | 0 | 6 |
| Masaka | | | 68 | 0 | 0 | 0 | 8 | 0 | 1537(1) | 9 | 0 | 0 | 0 | 6 |
| Masindi | | | 62 | 0 | 3 | 0 | 16 | 0 | 1449(1) | 0 | 0 | 0 | 0 | 2 |
| Mayuge | | | 38 | 0 | 0 | 0 | 20 | 0 | 1809 | 0 | 0 | 0 | 0 | 8 |
| Mbale | | | 67 | 0 | 9 | 0 | 12 | 0 | 2674 | 0 | 0 | 0 | 0 | 36 |
| Mbarara | | | 62 | 0 | 50 | 0 | 6 | 0 | 1011 | 0 | 4 | 0 | 0 | 4 |
| Mitooma | | | 64 | 0 | 3 | 0 | 1 | 0 | 1152 | 0 | 0 | 0 | 0 | 3 |
| Mityana | | | 45 | 0 | 1 | 0 | 9 | 0 | 1769 | 0 | 0 | 0 | 0 | 1 |
| Moroto | | | 50 | 0 | 0 | 0 | 40 | 0 | 479 | 0 | 0 | 0 | 0 | 42 |
| Moyo | | | 95 | 0 | 3 | 0 | 13 | 0 | 4461 | 0 | 0 | 0 | 0 | 28 |
| Mpigi | | | 69 | 0 | 16 | 0 | 2 | 0 | 1263 | 0 | 0 | 0 | 0 | 42 |
| Mubende | | | 13 | 0 | 9 | 0 | 8 | 0 | 448 | 11 | 0 | 0 | 0 | 12 |
| Mukono | | | 63 | 0 | 15 | 0 | 4 | 0 | 2343 | 3 | 0 | 0 | 0 | 9 |
| Nakapiripirit | | | 77 | 0 | 3 | 0 | 38 | 0 | 1754 | 0 | 0 | 0 | 0 | 44 |
| Nakaseke | | | 61 | 0 | 0 | 0 | 20 | 0 | 937 | 12 | 0 | 0 | 0 | 24 |
| Nakasongola | | | 33 | 0 | 0 | 0 | 9 | 0 | 619 | 4 | 0 | 0 | 0 | 0 |
| Namayingo | | | 3 | 0 | 4 | 0 | 4 | 0 | 67 | 0 | 0 | 0 | 0 | 3 |
| Namutumba | | | 79 | 0 | 47 | 0 | 8 | 0 | 3180 | 1 | 0 | 0 | 0 | 0 |
|  | Napak |  | 75 | 0 | 2 | 0 | 15 | 0 | 1099 | 0 | 0 | 0 | 0 | 30 |
| Nebbi | | | 86 | 0 | 1 | 0 | 53 | 0 | 4747(3) | 0 | 1 | 0 | 0 | 0 |
| Ngora | | | 33 | 0 | 1 | 0 | 1 | 0 | 1114 | 0 | 0 | 0 | 0 | 0 |
| Ntoroko | | | 22 | 0 | 13 | 0 | 1 | 0 | 204 | 0 | 0 | 0 | 0 | 0 |
| Ntungamo | | | 23 | 0 | 1 | 0 | 0 | 0 | 97 | 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 | 75 | 0 | 1 | 0 | 3 | 0 | 1663 | 0 | 0 | 0 | 0 | 10 |
| Otuke | 69 | 0 | 8 | 0 | 5 | 0 | 906 | 0 | 0 | 0 | 0 | 4 |
| Oyam | 48 | 0 | 11 | 0 | 8 | 0 | 1624(1) | 0 | 0 | 0 | 0 | 1 |
| Pader | 3 | 0 | 0 | 0 | 0 | 0 | 97 | 0 | 0 | 0 | 0 | 2 |
| Pallisa | 37 | 0 | 0 | 0 | 11 | 0 | 1335 | 0 | 0 | 0 | 0 | 4 |
| Rakai | 22 | 0 | 1 | 0 | 7 | 0 | 1933 | 4 | 0 | 0 | 0 | 10 |
| Rubirizi | 77 | 0 | 1 | 0 | 0 | 0 | 907 | 0 | 0 | 0 | 0 | 2 |
| Rukungiri | 39 | 0 | 3 | 0 | 1 | 0 | 1022 | 0 | 0 | 0 | 0 | 53 |
| Sembabule | 42 | 0 | 17 | 0 | 6 | 0 | 1029 | 0 | 0 | 0 | 0 | 0 |
| Serere | 32 | 0 | 3 | 0 | 11 | 0 | 1499 | 0 | 0 | 0 | 0 | 2 |
| Sheema | 59 | 1 | 1 | 0 | 0 | 0 | 879 | 4 | 0 | 0 | 0 | 0 |
| Sironko | 24 | 0 | 3 | 0 | 4 | 0 | 827 | 0 | 0 | 0 | 0 | 2 |
| Soroti | 61 | 0 | 3 | 0 | 9 | 0 | 4036 | 0 | 0 | 0 | 0 | 0 |
| Tororo | 27 | 0 | 1 | 0 | 6 | 0 | 1502 | 1 | 0 | 0 | 0 | 153 |
| Wakiso | 42 | 0 | 0 | 0 | 19 | 0 | 4080 | 20 | 0 | 0 | 0 | 19 |
| Yumbe | 75 | 0 | 0 | 0 | 18 | 0 | 4399(3) | 0 | 0 | 0 | 0 | 6 |
| Zombo | 95 | 0 | 0 | 0 | 23 | 0 | 1446 | 0 | 0 | 0 | 0 | 1 |
| **National** | **52** | **2(0)** | **579(0)** | **3 (0)** | **1583 (0)** | **0(0)** | **179864**  **(40)** | **208 (0)** | **114 (0)** | **1(0)** | **0(0)** | **1878 (0)** |

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

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