



# Ministry of Health Uganda

## Weekly Epidemiological Bulletin

### Summary Table

Indicator	Week 21 2015	Week 22 2015
% Districts	99	100
Ave % HU	52	59
% Timely reports	54	75
AFP	2(0)	1(0)
Rabies	579(0)	441 (2)
Cholera	3(0)	0(0)
Dysentery	1583(0)	1050 (0)
Guinea Worm	0(0)	1(0)
Malaria	179864 (40)	208897 (54)
Measles	208(0)	145 (0)
Meningitis	114(0)	10(3)
NNT	1(0)	1(1)
Plague	0(0)	1(0)
Typhoid	1878(0)	2283 (0)

### Epidemiological week 22 of 2015 [24<sup>th</sup> – 30<sup>th</sup> May 2015]

#### Disease Outbreaks

**Cholera:** In week 21, Kasese district reported **no cases** and from daily situation reports from the district, by 11<sup>th</sup> June, no cases were admitted in the CTC but one death occurred in the community. **Bundibugyo** had no case in week 22. The cholera outbreak in Kasese started on **14/03/2015. By 31<sup>st</sup> May, 154 cases 2 deaths (CFR 1.3%)** had been reported at Bwera Hospital cholera treatment centre. From the laboratory results, the outbreak was caused by *Vibrio cholera inaba*.

**Measles:** The cases reported decreased by 30% despite the increases in reporting level. **Kampala (20 cases) and Kabarole (10 cases)** had the highest number although 46 districts reported at least one case. **Kamwenge** confirmed the measles outbreak but had **5 cases** in week 22.

**Typhoid fever:** The typhoid fever outbreak started in week 48, 2014 in Kampala district. **The majority of cases reside in Makindye and Rubaga divisions (Figure 1).** From analysis of the recent line list (4<sup>th</sup> June), **10,230 cases** meet the case definition; of whom **4735 (46%)** were females and **5495 (54%)** males. In week 22, 25 districts had 5 or more cases per 50,000 population. Notably, Bukwo had 26.9 and Butambala 20.8 cases/50,000 population. Cases treated in Kampala have reduced to below epidemic threshold from week 19 (**Figure 2**).

#### Other priority diseases

**AFP:** Kyenjojo District reported one case and the verification of 21 cases reported in Koboko revealed that this was an error.

**Rabies:** Eighty districts reported one or more cases of animal bites as a proxy for rabies; and 14 districts had 10 cases or more. Wakiso (47), Toror (19), Moroto (15) and Nebbi (15) reported the highest number of animal bites.

**Dysentery:** This week, 98 districts reported at least a case of dysentery and of these, 37 districts had 10 or more cases. Hoima (54), Kotido (45), Kapchorwa (45), Nakapiripirit (43) and Arua (40) had high numbers. The cases Koboko and Hoima were a mistake. Verification revealed that sometimes the responsible district did not verify the reports, leading to false entries in DHIS2. None of the districts reported related detailed **laboratory investigations** to rule out epidemic dysentery due to *Shigella* species.

**Meningitis:** Meningitis cases were reported in Kampala (2), Gulu (2) and one case each in Kabarole, Napak, Oyam, Butambala, Kumi and Isinigor districts. Hoima District verified the 105 cases reported in week 21 as an error.

#### Completeness of Reporting

All district reported this week 59% (1997 of 3841) of the health units submitted reports this week. **Moyo, Butambala, Zombo, Kapchorwa, Yumbe, Koboko and Maracha** had **100%** completeness. Up to 26 **districts achieved the targeted 80%** of the health units reporting compared to **15 in week 21** (highlighted in yellow in summary table). Kaberamaido, Katakwi, Luuka, Pader, Namayingo and Mubende with less than 20% (districts with <50% are highlighted in pink).

#### Timeliness

At national level, 75% of the health facilities submitted timely reports and 39 districts had 80-100% of their facilities reporting timely.

**Malaria:** The cases increased in week 22 reflecting the change in reporting levels and completeness of the data. Districts with more than 3000 cases were 18 including Gulu, Apac and Oyam where the cases had significantly decreased during the IRS use project. Lamwo (trends in **Figure 3**) and the other six districts are reporting similar trends, which have prompted for action at the national level.

**Neonatal tetanus:** Kamuli District reported one case and death but the District Rapid Response Team has been alerted to investigate the case and provide a report.

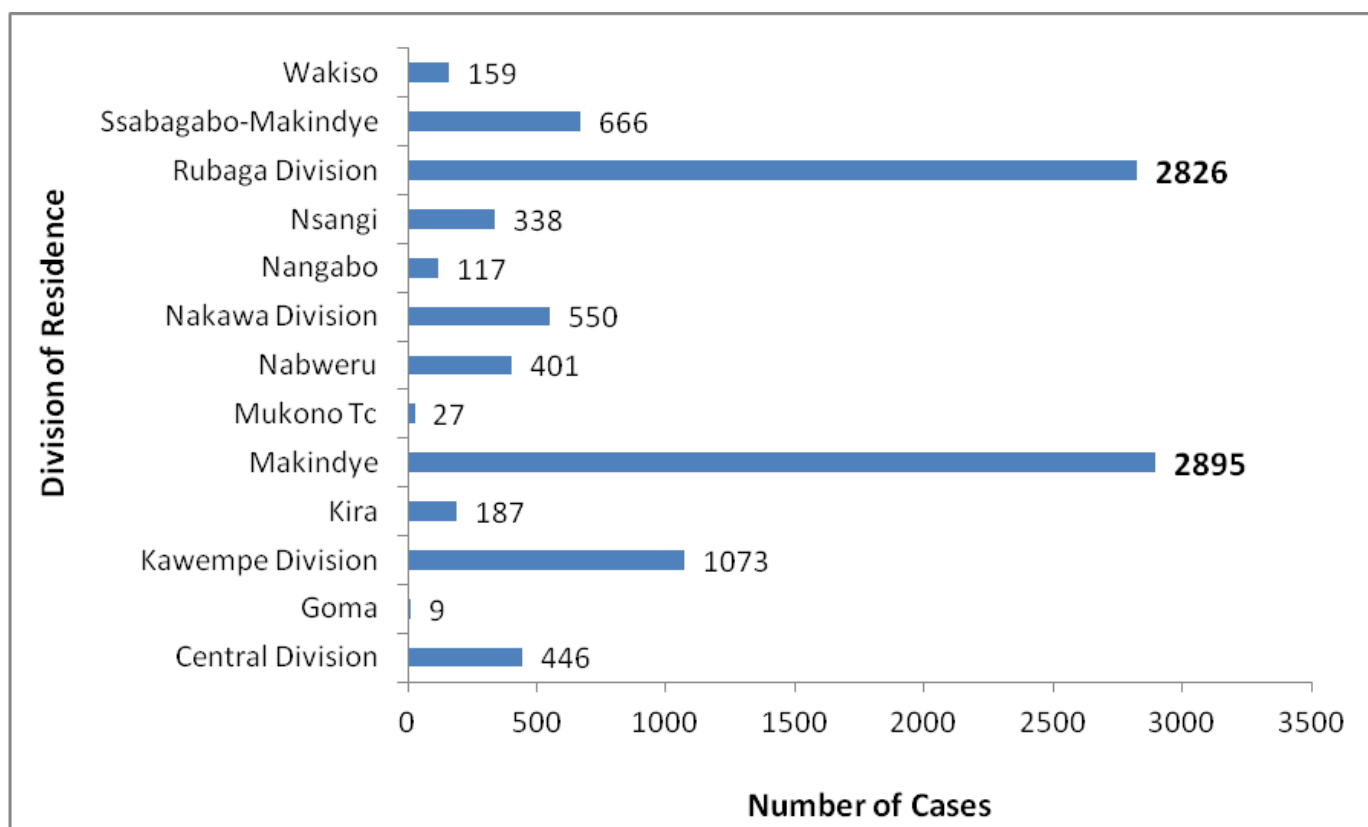
**Human Influenza:** In week 22, 8 samples were collected by the Makerere University Walter Reed Influenza Surveillance Project data from sentinel surveillance sites for ILI, but none was positive. Since the year started, only 3 Influenza B viruses have been isolated.

**Guinea worm:** One case was reported in Abim District and the GWCP has been alerted to investigate this case.

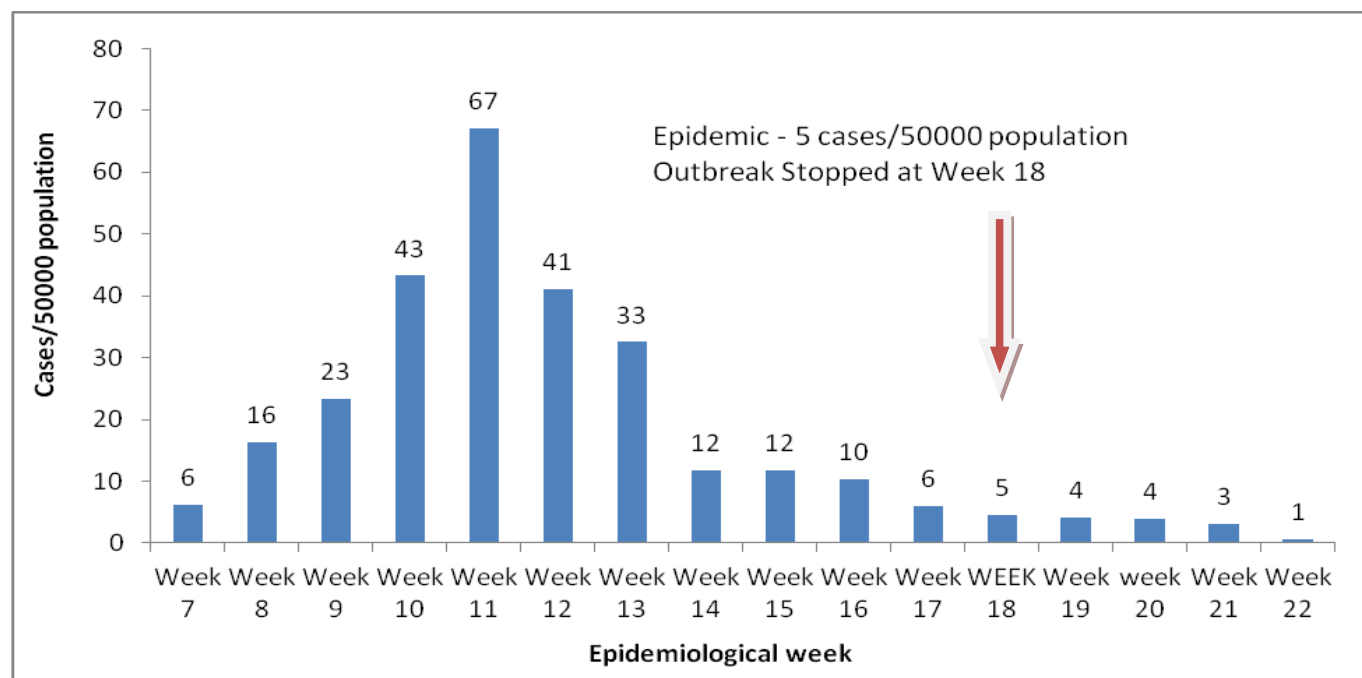
**Maternal deaths:** In week 22, 58% of the health facilities reported about maternal deaths. Over the past weeks there have been gross mistakes in maternal and perinatal deaths reporting and the same happened in this reporting period. The DHIS2 team is rectifying this challenge.

#### International health events:

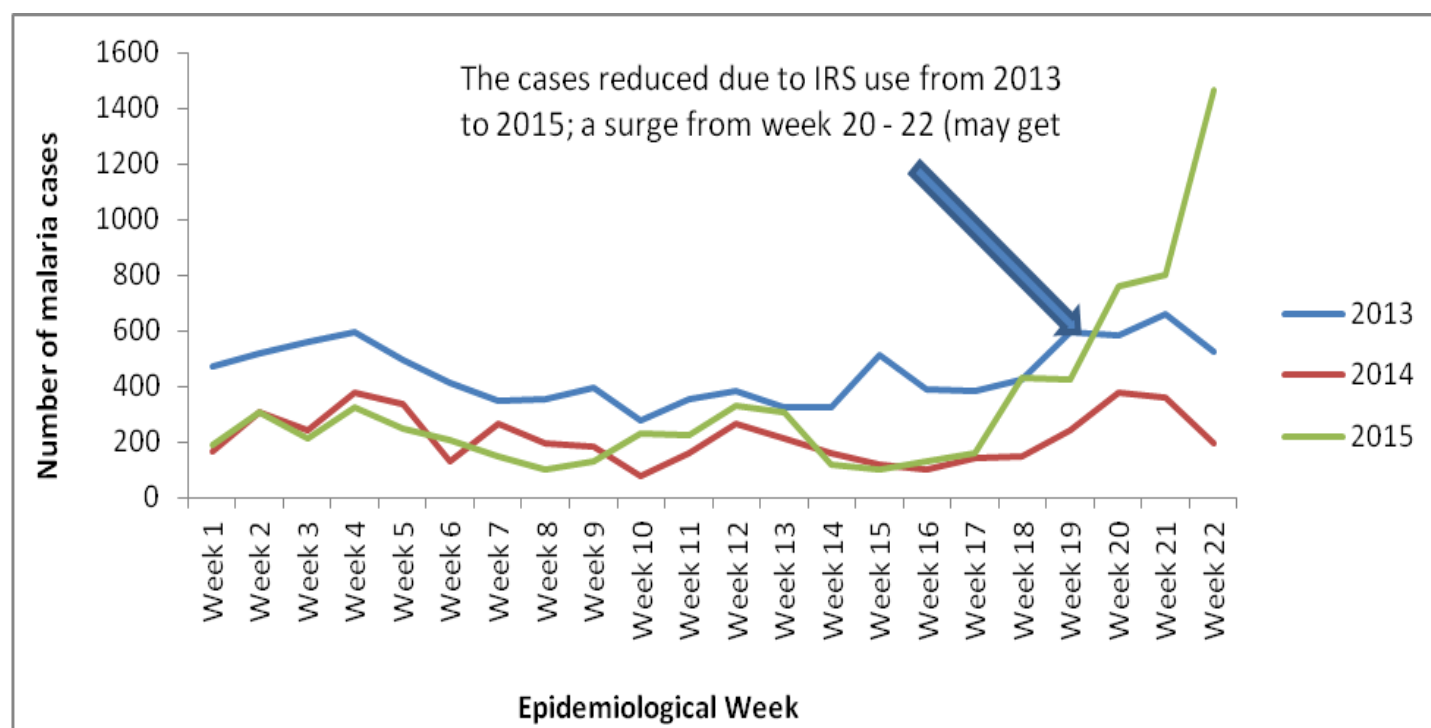
**MERS-COV:** By 11<sup>th</sup> June, there were 126 cases in South Korea, with 4 new positive cases and 1 death; but Saudi Arabia has had 2 cases and 2 deaths (100% CFR). The Ministry of Health and Welfare's MERS-CoV Task Force has confirmed 4 additional positive cases of MERS-CoV on 11 Jun 2015.



**Figure 1: Typhoid cases treated by 4<sup>th</sup> June 2015 in Kampala by area of residence**



**Figure 2: Number of typhoid cases (meeting the case definition) per 50,000 population treated in Kampala by 4<sup>th</sup> June 2015: weeks 19 to 22 had less than the threshold.**



**Figure 3: Malaria suspected cases treated in Lamwo District compared over three years showing an upsurge**

# Summary table for epidemiological reports received for week ending 30<sup>th</sup> 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	95	0	2	0	35	1	1666	0	0	0	0	5
Adjumani	74	0	4	0	21	0	4184	0	0	0	0	0
Agago	82	0	8	0	32	0	2354	0	0	0	0	6
Alebtong	57	0	1	0	1	0	1111(1)	0	0	0	0	2
Amolatar	85	0	11	0	2	0	698	0	0	0	0	4
Amudat	75	0	0	0	7	0	524	0	0	0	0	1
Amuria	68	0	7	0	2	0	3933	0	0	0	0	1
Amuru	71	0	0	0	16	0	3533(1)	0	0	0	0	2
Apac	91	0	4	0	0	0	4555	0	0	0	0	0
Arua	83	0	10	0	40	0	7970(1)	4	0	0	0	103
Budaka	44	0	2	0	7	0	952	0	0	0	0	2
Bududa	80	0	1	0	4	0	1329(2)	1	0	0	0	11
Bugiri	28	0	1	0	4	0	919	2	0	0	0	5
Buhweju	40	0	0	0	1	0	120	0	0	0	0	0
Buikwe	74	0	12	0	16	0	3341	14	0	0	0	46
Bukedea	46	0	0	0	4	0	492	1	0	0	0	4
Bukomansimbi	53	0	2	0	1	0	601	1	0	0	0	9
Bukwo	69	0	11	0	34	0	501	0	0	0	0	41
Bulambuli	85	0	1	0	0	0	1242	0	0	0	0	0
Buliisa	60	0	0	0	7	0	575	0	0	0	0	5
Bundibugyo	71	0	0	0	37	0	2439	0	0	0	0	21
Bushenyi	38	0	5	0	6	0	867	3	0	0	0	35
Busia	25	0	4	0	3	0	1501	0	0	0	0	3
Butaleja	63	0	1	0	5	0	2306	0	0	0	0	2
Butambala	100	0	2	0	4	0	1518	3	1	0	0	42
Buvuma	46	0	0	0	4	0	342	0	0	0	0	2
Buyende	75	0	0	0	2	0	3334	0	0	0	0	0
Dokolo	81	0	5	0	2	0	1809	0	0	0	0	5
Gomba	61	0	0	0	3	0	863	0	0	0	0	0
Gulu	86	0	7	0	39	0	6180(4)	0	2	0	0	82
Hoima	85	0	7	0	54	0	4452(4)	2	0	0	0	68
Ibanda	46	0	2	0	0	0	1443(1)	3	0	0	0	0
Iganga	49	0	4	0	2	0	4080(2)	0	0	0	0	3
Isingiro	68	0	0	0	2	0	2408(1)	1	1	0	0	13
Jinja	33	0	6	0	13	0	2310(4)	0	0	0	0	17
Kaabong	82	0	12	0	31	0	2338	0	0	0	0	9
Kabale	79	0	9	0	0	0	349(1)	0	0	0	0	0
Kabarole	82	0	11	0	22	0	3602(3)	9	1	0	0	36
Kaberaido	19	0	2	0	2	0	1228	0	0	0	0	9
Kalangala	47	0	1	0	2	0	295	4	0	0	0	5
Kaliro	40	0	0	0	2	0	1278	0	0	0	0	5
Kalungu	45	0	0	0	2	0	1046	0	0	0	0	7
Kampala	54	0	13	0	12	1	2796	21	2	0	0	500
Kamuli	47	0	2	0	3	0	3345(2)	1	0	1(1)	0	13
Kamwenge	64	0	0	0	1	0	2496	10	0	0	0	1
Kanungu	52	0	3	0	1	0	855	1	0	0	0	39
Kapchorwa	100	0	0	0	45	0	1127	0	0	0	0	8

District	% of H/U reporting	AFP	Animal bite (Suspected Rabies)	Cholera	Dysentery	Guinea Worm	Malaria	Measles	Meningitis	NNT	Plague	Typhoid Fever
Kasese	50	0	1	0	8	0	3104(5)	8	0	1	0	13
Katakwi	18	0	0	0	1	0	773	0	0	0	0	0
Kayunga	79	0	2	0	25	0	3308	0	0	0	0	6
Kibaale	51	0	2	0	10	0	2794(1)	6	0	0	0	102
Kiboga	33	0	0	0	4	0	313	1	0	0	0	11
Kibuku	46	0	0	0	0	0	470	0	0	0	0	0
Kiruhura	66	0	11	0	0	0	2095	4	0	0	0	2
Kiryandongo	72	1	2	0	11	0	2617	3	0	0	0	6
Kisoro	95	0	6	0	1	0	244	3	0	0	0	5
Kitgum	52	0	4	0	9	0	2054(3)	0	0	0	0	17
Koboko	100	0	4	0	4	0	2835(1)	0	0	0	0	2
Kole	83	0	2	0	1	0	2220	0	0	0	0	0
Kotido	41	0	3	0	45	0	816	0	0	0	0	37
Kumi	40	0	6	0	3	0	1949	0	1	0	0	30
Kween	59	0	1	0	2	0	494	0	0	0	0	4
Kyankwanzi	46	0	0	0	1	0	937	0	0	0	0	15
Kyegegwa	60	0	2	0	1	0	1408(1)	5	0	0	0	7
Kyenjojo	69	1	8	0	7	0	2094(1)	7	0	0	0	28
Lamwo	90	0	0	0	0	0	1625(1)	0	0	0	0	0
Lira	41	0	1	0	5	0	1641	0	0	0	0	0
Luuka	18	0	0	0	0	0	671	0	0	0	0	0
Luwero	63	0	8	0	9	0	2695	15	0	0	0	98
Lwengo	26	0	0	0	0	0	424	2	0	0	0	42
Lyantonde	33	0	1	0	5	0	505	4	0	0	0	15
Manafwa	61	0	1	0	9	0	1982	0	0	0	0	3
Maracha	100	0	2	0	14	0	3012(1)	0	0	0	0	37
Masaka	61	0	0	0	2	0	1481	9	0	0	0	18
Masindi	72	0	14	0	12	0	2229	0	0	0	0	13
Mayuge	48	0	4	0	15	0	2285	0	0	0	0	1
Mbale	69	0	1	0	5	0	2664	0	0	0	0	5
Mbarara	74	0	9	0	5	0	1471	0	0	0	0	45
Mitooma	84	0	0	0	0	0	1198	0	0	0	0	0
Mityana	57	0	8	0	9	0	2463(1)	0	0	0	0	6
Moroto	79	0	15	0	24	0	1371(1)	0	0	0	0	30
Moyo	100	0	3	0	15	0	4790	0	0	0	0	45
Mpigi	56	0	3	0	3	0	1313(1)	0	0	0	0	29
Mubende	10	0	0	0	0	0	566	11	0	0	0	6
Mukono	58	0	6	0	10	0	1806	3	0	0	0	18
Nakapiripirit	88	0	4	0	43	0	2061	0	0	0	0	19
Nakaseke	52	0	2	0	4	0	752	12	0	0	0	14
Nakasongola	33	0	3	0	10	0	665	4	0	0	0	17
Namayingo	10	0	1	0	11	0	300	0	0	0	0	2
Namutumba	70	0	0	0	5	0	2873(1)	1	0	0	0	2
Napak	92	0	6	0	17	0	1326	0	1	0	0	0
Nebbi	82	0	15	0	32	0	4417(1)	0	0	0	0	26
Ngora	42	0	1	0	3	0	1046	0	0	0	0	0
Ntoroko	78	0	0	0	2	0	432	0	0	0	0	7
Ntungamo	44	0	10	0	1	0	548	0	0	0	0	8

District	% of H/U reporting	AFP	Animal bite (Suspected Rabies)	Cholera	Dysentery	Guinea Worm	Malaria	Measles	Meningitis	NNT	Plague	Typhoid Fever
Nwoya	70	0	0	0	3	0	1939(2)	0	0	0	0	0
Otuke	69	0	0	0	1	0	1034	0	0	0	0	2
Oyam	68	0	7	0	14	0	2675(3)	0	1	0	0	6
Pader	3	0	0	0	0	0	77	0	0	0	0	0
Pallisa	53	0	2	0	7	0	1642	0	0	0	0	18
Rakai	28	0	0	0	14	0	1629	4	0	0	0	7
Rubirizi	77	0	2	0	0	0	872	0	0	0	0	6
Rukungiri	55	0	6	0	2	0	1103	0	0	0	0	7
Sembabule	33	0	2	0	7	0	965	0	0	0	0	62
Serere	41	0	0	0	3	0	1631	0	0	0	0	1
Sheema	44	1	4	0	0	0	921	4	0	0	0	6
Sironko	59	0	0	0	2	0	1688	0	0	0	0	1
Soroti	58	0	2	0	12	0	2157	0	0	0	0	21
Tororo	49	0	19	0	8	0	2604	1	0	0	0	27
Wakiso	36	0	47	0	15	0	2967	20	0	0	0	133
Yumbe	100	0	4	0	14	0	5062(3)	0	0	0	0	15
Zombo	100	0	1	0	12	0	1587	0	0	0	1	8
<b>National</b>	<b>59</b>	<b>1(0)</b>	<b>441(0)</b>	<b>0 (0)</b>	<b>1050 (0)</b>	<b>0(0)</b>	<b>208897 (54)</b>	<b>145 (0)</b>	<b>10 (0)</b>	<b>1(1)</b>	<b>1(0)</b>	<b>2283 (0)</b>

HU= Health Units, AFP=Acute Flaccid Paralysis, NNT=Neonatal Tetanus  
**Compiled by the Epidemiological Surveillance Division, Ministry of Health**