



Ministry of Health Uganda

Weekly Epidemiological Bulletin

Epidemiological Week 7 (8th – 14th Feb 2016)

Highlights of the week

- Cholera outbreak continues in Sironko, Hoima and Bukedea districts

Summary Table

Indicator	Week 6 2016	Week 7 2016
% Districts	100	100
Ave % HU	67.6	77.2
% Timely reports	*	*
AFP	3(0)	2(0)
Animal bites	187(0)	247(0)
Cholera	25(1)	18(2)
Dysentery	725(1)	929(2)
Guinea Worm	0(0)	2(0)
Malaria	182968 (40)	197622 (54)
Measles	70(1)	53(0)
Bacterial Meningitis	3(0)	4(1)
NNT	0(0)	0
Plague	0(0)	6(0)
Typhoid	1473(6)	1778 (7)
MDR TB	12(0)	18(1)

*Indicator not provided

Completeness of Reporting

In week 7 of 2016, all the 112 districts reported with a 14.9% increase in the reporting rate as compared to the previous week. Average reporting rate was 77.2% and only 49 districts (44%) achieved the national target of $\geq 80\%$ of the health facilities reporting. A total of 13 districts had reporting rate of 100% in this week. There were no districts reporting below 30% in this week. The regional level performances as well as best districts in week 7 have been presented in **Figures 1, 2 & 3**.

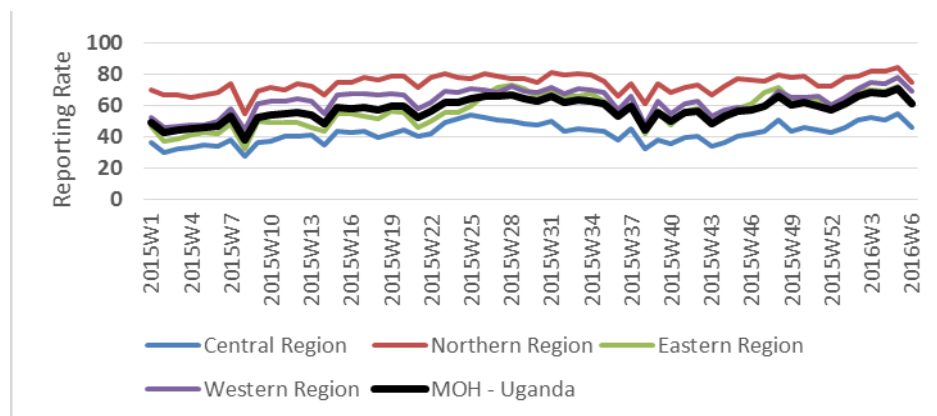


Figure 1: Average reporting level by region for weeks for Week 7 (8th – 14th Feb 2016)

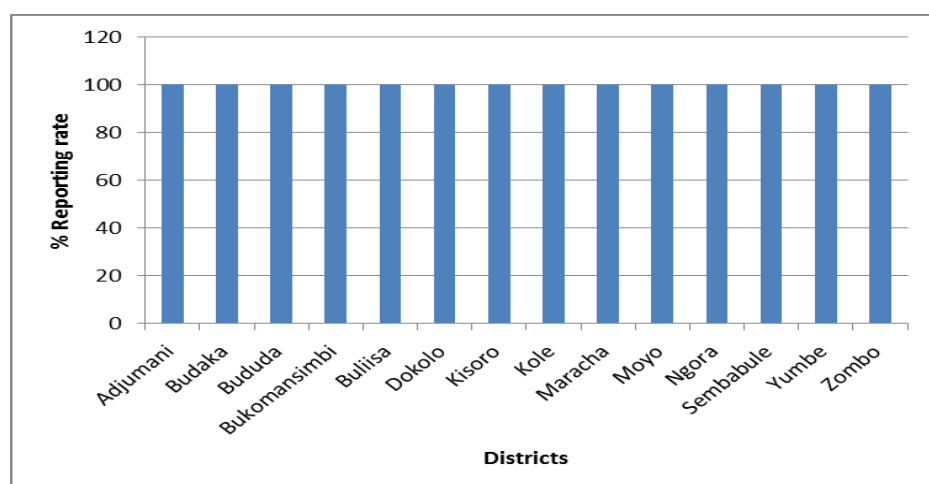


Figure 2: Top districts reporting rates for Week 7 of 2016

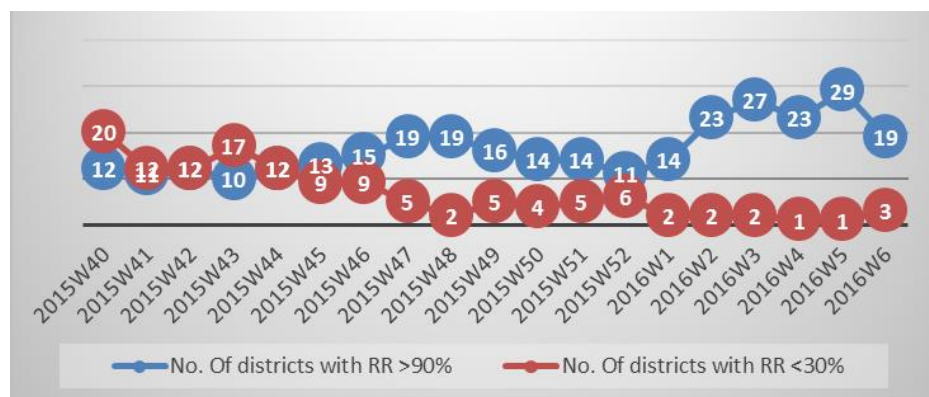


Figure 3: Trends of Top and Bottom reporting rate districts

Disease outbreaks

Cholera: The cholera outbreak has continued in Hoima, Sironko and Bukedea districts. Hoima reported 18 cases and 2 deaths of cholera during this week. By 16th February 2016 a cumulative total of 120 suspected cases of cholera had been documented in Sironko with 5 deaths (Case fatality rate of 4.2%, above the acceptable $< 2\%$ CFR).

Summary of cholera case and deaths investigated and responded to in Uganda, 2015/2016

District	Cases	Deaths (Cases Fatality Rate)
<u>Kasese</u>	208	2 (0.96%)
<u>Arua</u>	31	0 (0)
<u>Hoima</u>	284	7 (3.5%)
<u>Busia</u>	249	7 (2.8%)
<u>Kampala</u>	287	7 (3.5%)
<u>Wakiso</u>	147	6 (4.1%)
<u>Mbale</u>	56	1 (1.8%)
<u>Moroto</u>	2	0 (0)

Malaria: This week, 197,622 cases of malaria were reported, indicating an 8% increase from the previous week. The epidemic districts in Northern Uganda still remain above their respective malaria normal channels. Among these districts, Gulu has continuously reported the highest number of malaria cases since week 1 2016. Kasese, Adjumani and Rakai districts have steadily reported very high malaria cases of over 3000 since week 1 of 2016. Isingiro, Adjumani, Iganga, Kamuli and Rakai district also reported over 3000 cases in this week.

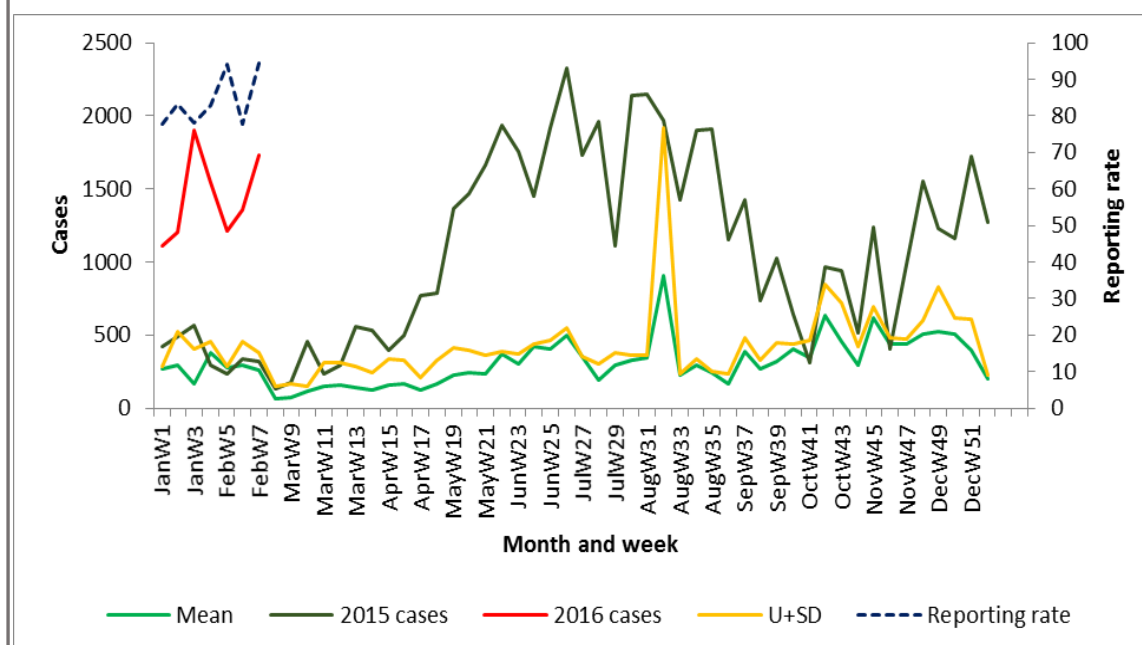


Figure 4: Malaria normal channels and reporting rates for Nwoya district

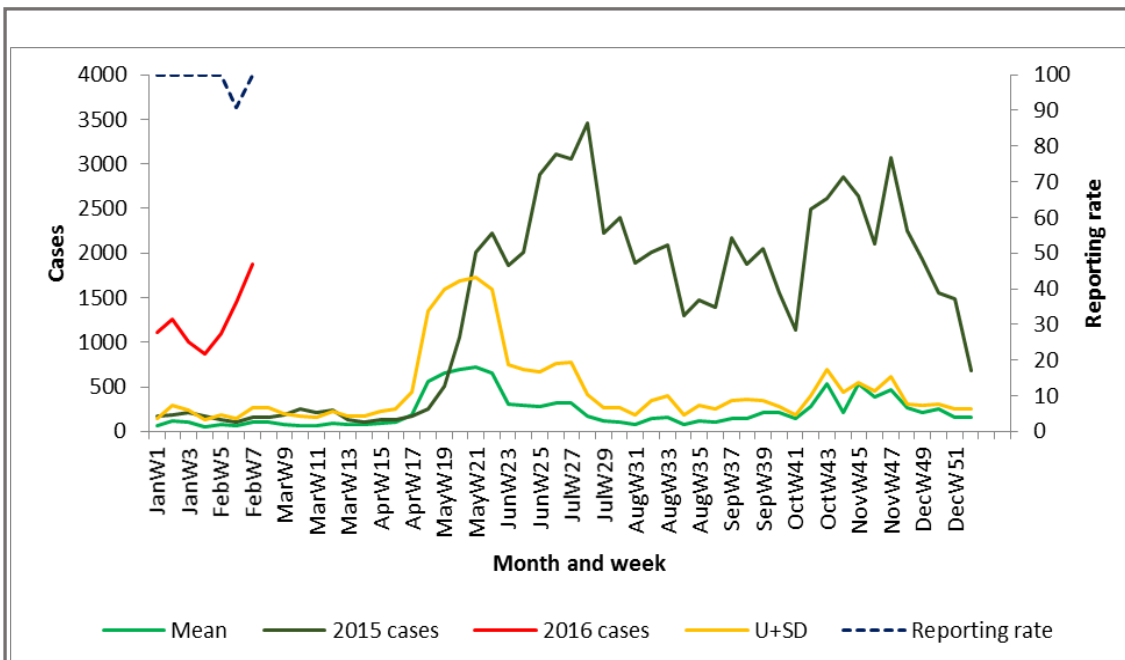


Figure 5: Malaria normal channels and reporting rates for Kile district

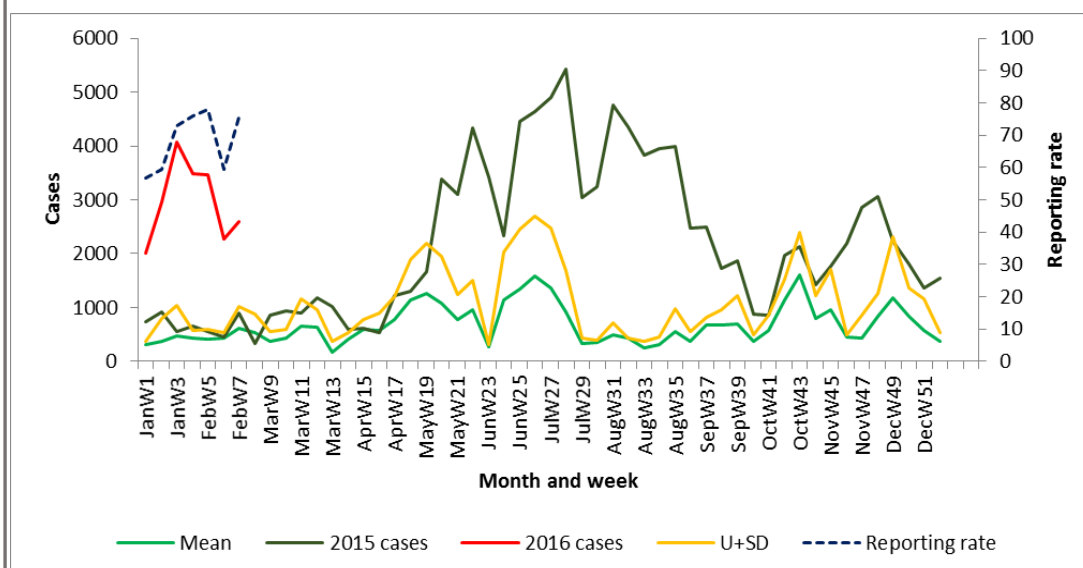


Figure 6: Malaria normal channels and reporting rates for Apac district

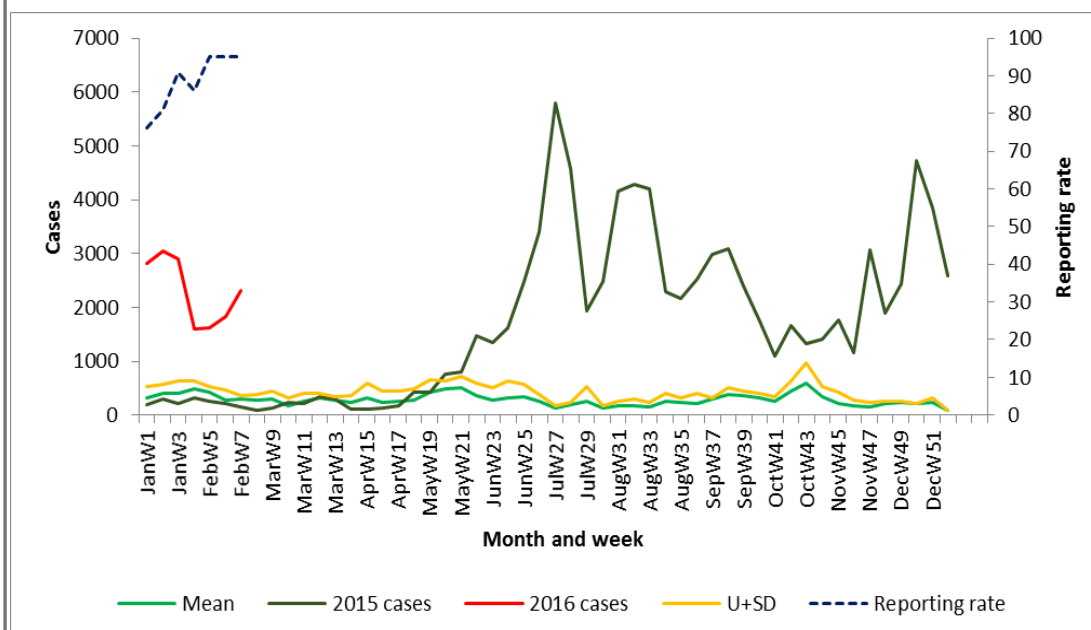


Figure 7: Malaria normal channels and reporting rates for Lamwo district

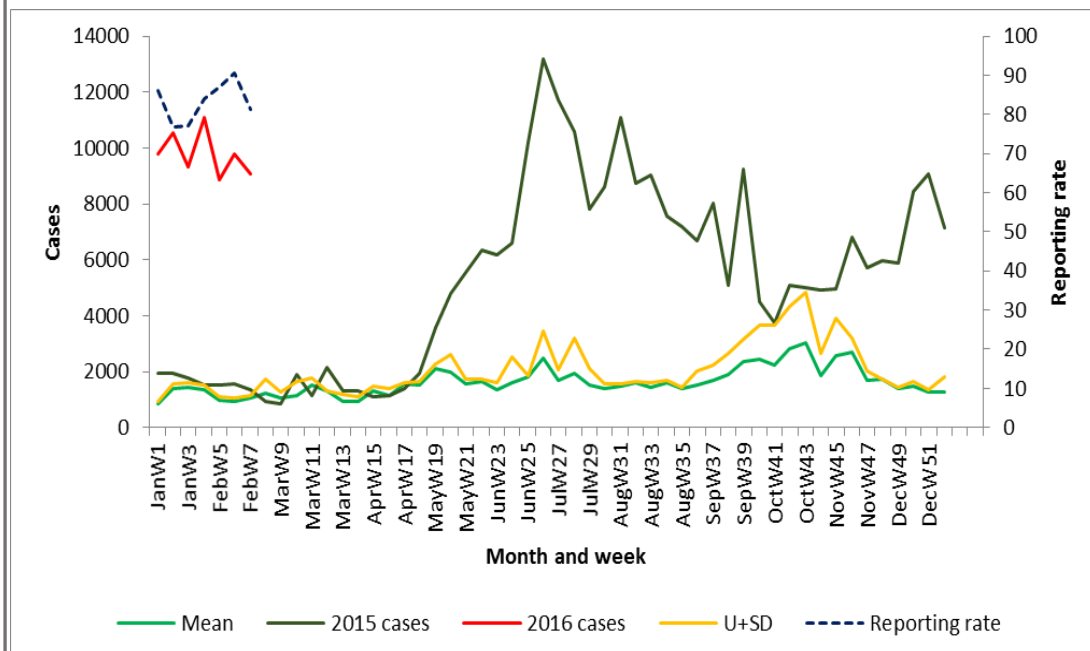


Figure 8: Malaria normal channels and reporting rates for Gulu district

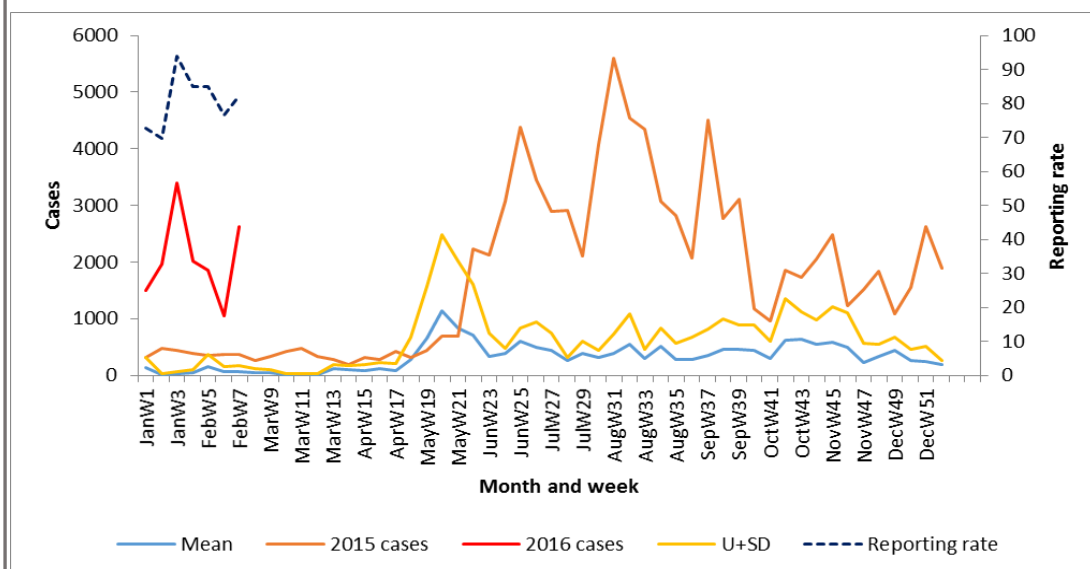


Figure 9: Malaria normal channels and reporting rates for Agago district

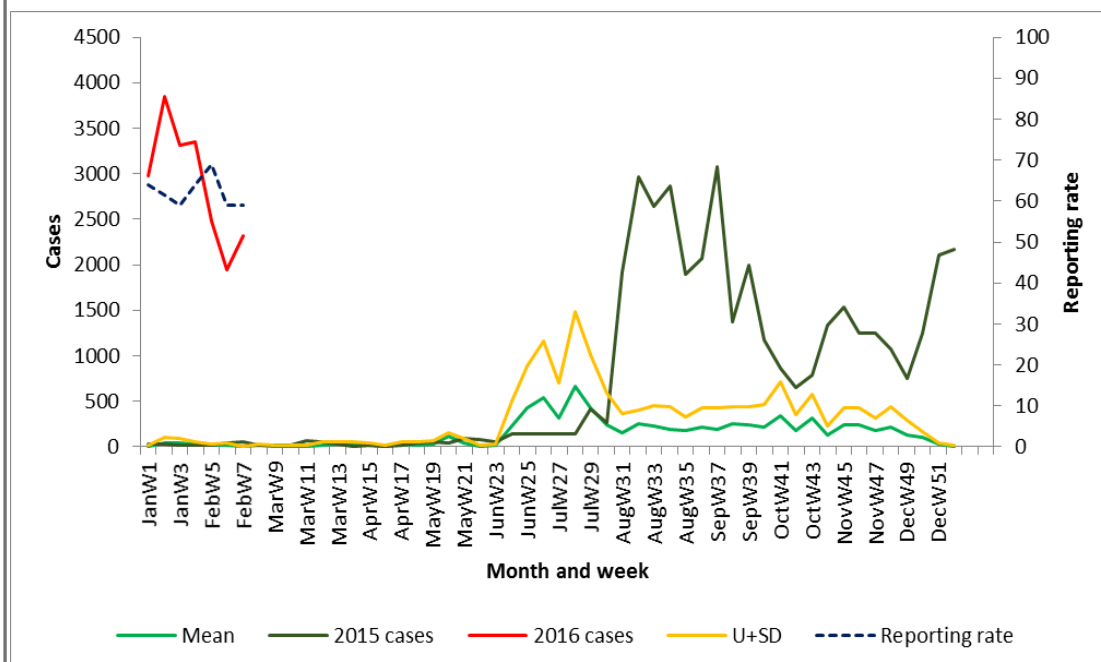


Figure 10: Malaria normal channels and reporting rates for Pader district

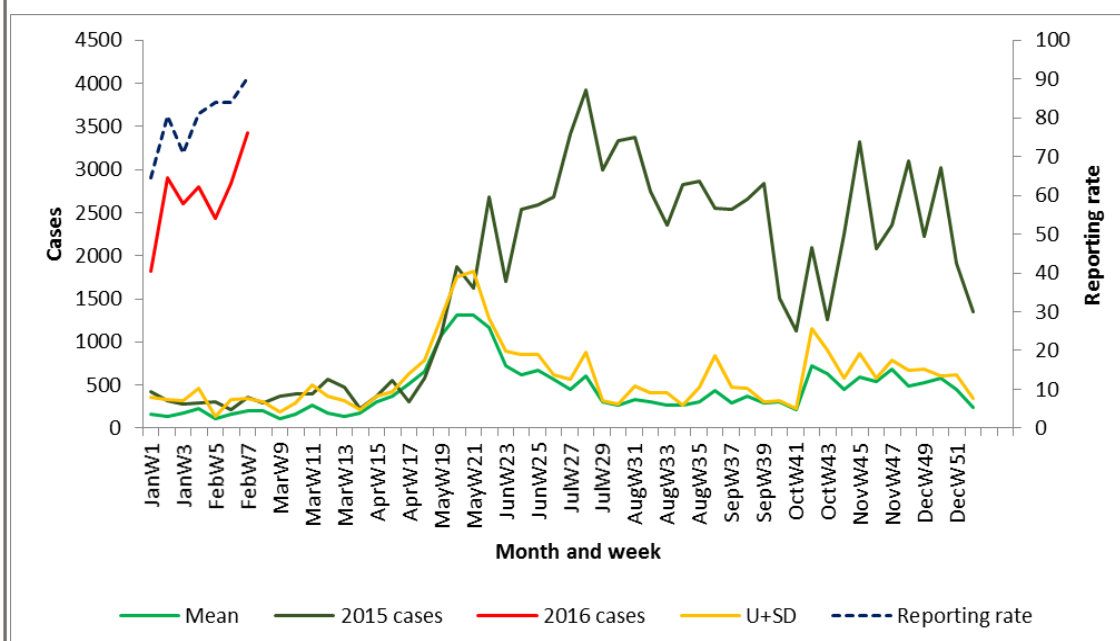


Figure 11: Malaria normal channels and reporting rates for Oyam district

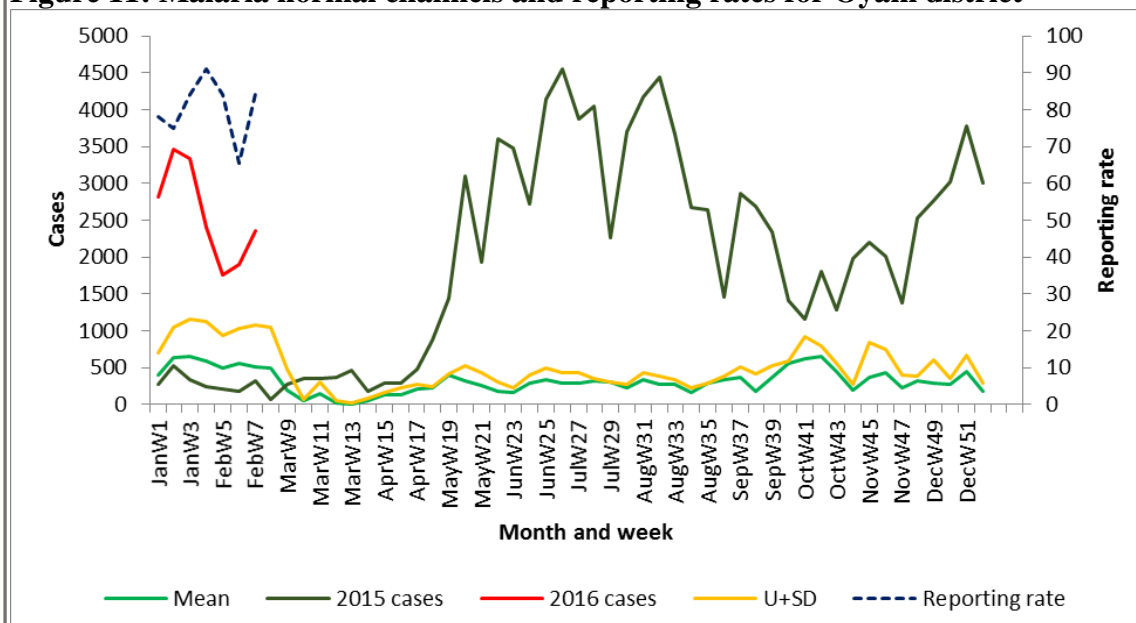


Figure 12: Malaria normal channels and reporting rates for Amuru district

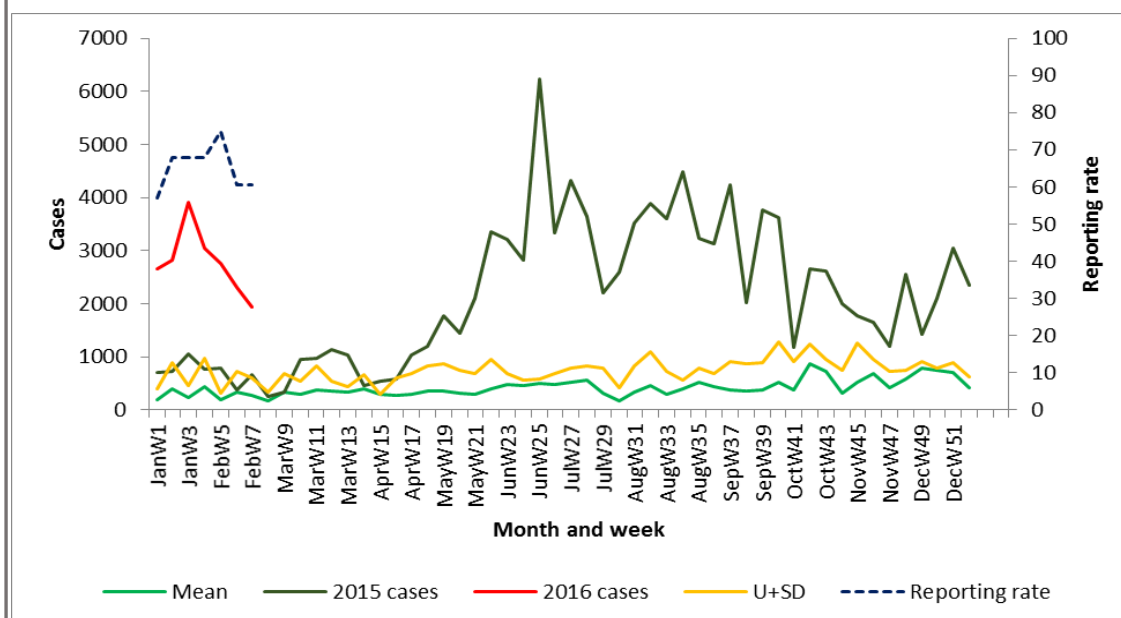


Figure 13: Malaria normal channels and reporting rates for Kitgum district

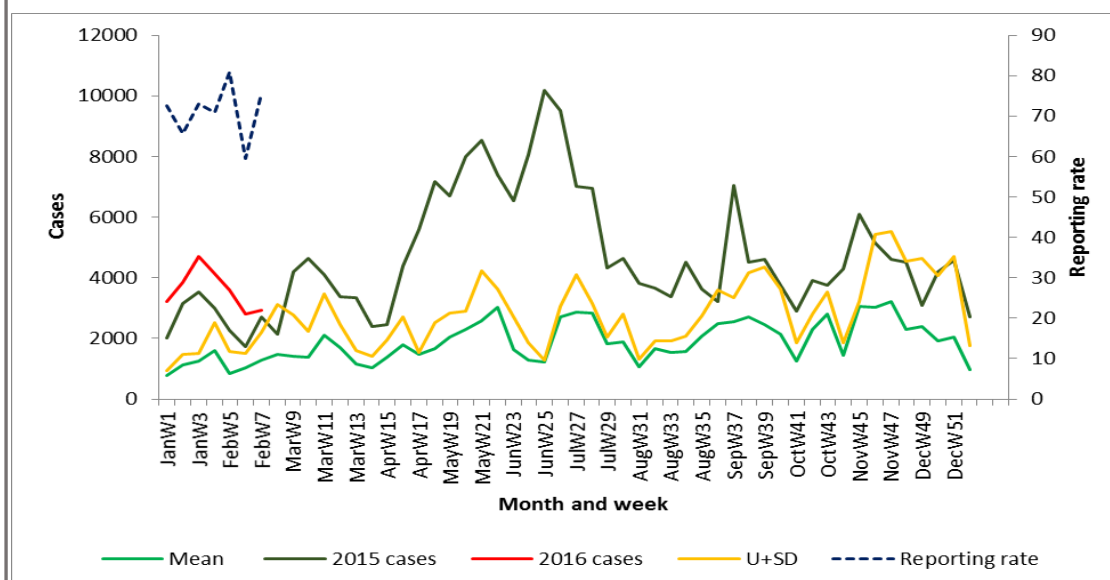


Figure 14: Malaria normal channels and reporting rates for Arua district

Other priority diseases

AFP: Two (2) cases of AFP were reported from two districts of Nakaseke and Kaberamaido. There were no AFP related deaths reported this week.

Typhoid fever: A total of 1778 cases of typhoid fever were reported in week 7 of 2016. Seven (7) typhoid related deaths were reported in three districts of Manafwa (3) and Maracha (1) and Kween district (3). A total of 27 districts reported more than the set action threshold of 20 typhoid cases per district.

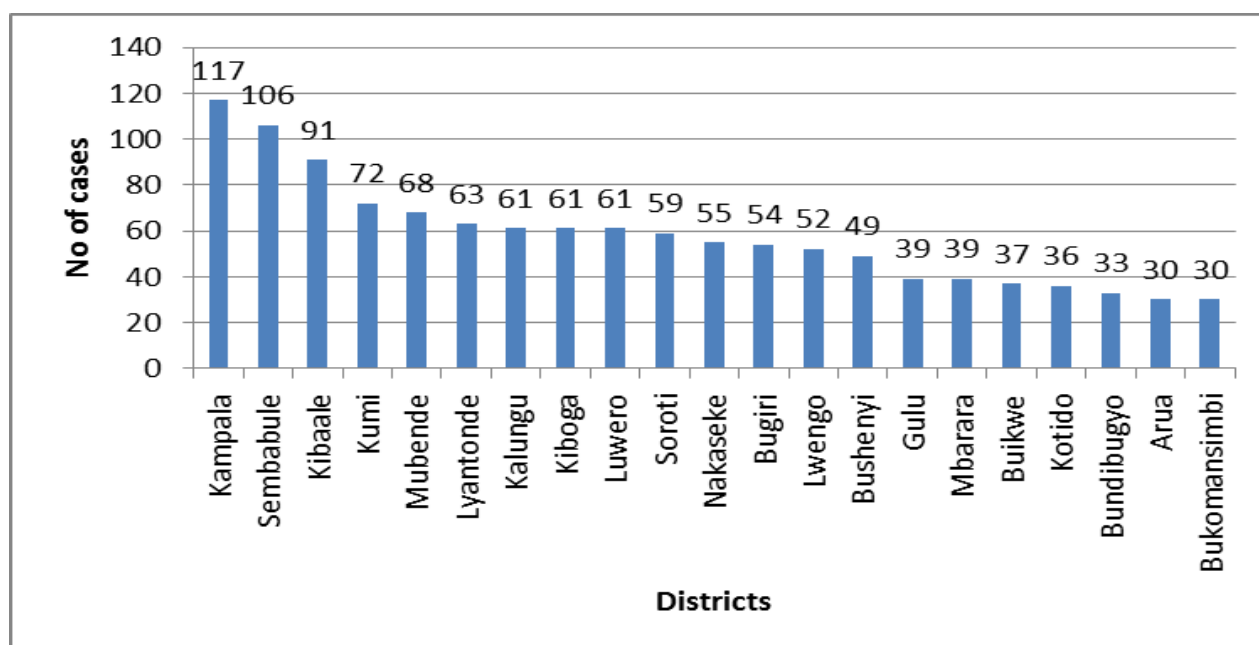


Figure 15: Districts reporting atleast 30 typhoid fever cases in week 7 of 2016

Measles: A total of 53 cases of measles were reported from 29 districts during this week with no measles related deaths. Three districts; Kibaale (10), Kiboga (5) and Kampala (5) reported measles cases above the set national threshold of 5 cases/district per month.

Neonatal Tetanus: No cases of neonatal tetanus (NNT) were reported during this week.

Maternal and Perinatal deaths: Eight (8) maternal deaths were reported from 7 districts. All facilities submitted the maternal audit forms. Up to 38 perinatal deaths were also reported during this week from 14 districts as shown in the table below. Only five districts submitted the

Table1: Health facilities reporting maternal and perinatal deaths

District	facility	Maternal Deaths	Perinatal Deaths
Soroti	Agirigiroi HC II	1	2
Soroti	ATIRIR HC IV	1	2
Kyenjojo	Midas Torch HC IV	1	1
Hoima	Hoima REGIONAL REF HOSPITAL	1	5
Yumbe	Yumbe Hospital	0	3
Jinja	Jinja Regional Ref HOSPITAL	0	3
Bugiri	Bugiri HOSPITAL	1	3
Kabarole	Fort Portal Regional Referral Hospital	1	3
Adjumani	Elema HC II	0	1
Kabarole	Kabarole HOSPITAL	1	0
Luwero	Bombo General Military HOSPITAL	0	2
Gulu	St. Mary's Hospital Lacor	0	2
Apac	Apac HOSPITAL	0	1
Nebbi	Nebbi Hospital	0	1
Kasese	Kagando HOSPITAL	1	8
Bushenyi	Comboni HOSPITAL	0	1

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Summary table for epidemiological reports received for Week 7 (8th – 14th Feb 2016)

(Numbers in brackets indicate deaths)

District	% HU reporting	Malaria	Dysentery	AFP	Animal Bites	Bacterial Meningitis	Cholera	Guinea Worm	Measles	NNT	
Abim	75	709	18	0	0	0	0	0	0		0
Adjumani	100	3908(1)	44	0	2	0	0	0	0		0
Agago	79.4	2584	25	0	0	0	0	0	0		0
Alebtong	94.4	511	3	0	5	0	0	0	0		0
Amolatar	92.3	250	4	0	0	0	0	0	0		0
Amudat	75	163	1	0	0	0	0	0	0		0
Amuria	79.5	3880	4	0	6	0	0	0	0		0
Amuru	84.4	2350	9	0	3	0	0	0	0		0
Apac	75.7	2589(1)	0	0	2	0	0	0	0		0
Arua	75.3	2916	18	0	1	0	0	0	0		0
Budaka	100	1394	4	0	0	0	0	0	0		0
Bududa	100	935	10	0	2	0	0	0	0		0
Bugiri	64	2224	16	0	0	0	0	0	0		0
Buhweju	88.2	438	0	0	0	0	0	0	0		0
Buikwe	54.7	1246	3	0	2	1	0	0	1		0
Bukedea	68.8	777	7	0		0	4	0	0		0
Bukomansimbi	100	875	0	0	0	0	0	0	0		0
Bukwo	93.8	412	22	0	5	0	0	0	0		0
Bulambuli	84.2	1089	1	0	0	0	0	0	0		0
Buliisa	100	453	6	0	1	0	0	0	0		0
Bundibugyo	83.3	2043	15	0	0	0	0	0	0		0
Bushenyi	89.7	1436	6	0	2	0	0	0	1		0
Busia	72.4	3330	6	0	0	0	0	0	0		0
Butaleja	70.8	668	13	0	1	0	0	0	0		0
Butambala	73.9	535	1	0	0	0	0	0	0		0
Buvuma	45.5	357	0	0	0	0	0	0	0		0
Buyende	95.5	1116	5	0	1	0	0	0	0		0
Dokolo	100	791	6	0	1	0	0	0	0		0
Gomba	94.7	1252	2	0	0	0	0	0	0		0
Gulu	80.2	8872(2)	51	0	3	0	0	0	0		0
Hoima	54.1	2659(6)	27	0	7	0	9(2)	0	1		0
Ibanda	72	3025(1)	0	0	0	0	0	0	2		0
Iganga	62.5	5456(4)	1	0	5	0	0	0	1		0
Isingiro	88.6	3850(2)	3	0	2	0	0	0	0		0
Jinja	64.1	3769(4)	11	0	8	0	0	0	0		0
Kaabong	96.3	1295	6	0	10	0	0	0	0		0
Kabale	78	475	0	0	12	0	0	0	0		0
Kabarole	67.6	1852(1)	8	0	4	0	0	0	0		0
Kaberamaido	84	1143	10	1	0	0	0	0	0		0
Kalangala	82.4	426	7	0	1	0	0	0	1		0

Kaliro	42.9	1396	0	0	0	0	0	0	0	0	0
Kalungu	75.9	797	0	0	1	0	0	0	1	0	0
Kampala	30.8	1705(2)	12	0	2	0	0	0	5	0	0
Kamuli	49.2	3917	6	0	2	0	0	0	0	0	0
Kamwenge	73.9	2189	7	0	2	0	0	0	1	0	0
Kanungu	72.9	461	1	0	3	0	0	0	0	0	0
Kapchorwa	90	546	6	0	0	0	0	0	0	0	0
Kasese	86.7	3656(3)	21	0	2	0	0	0	0	0	0
Katakwi	76.9	2068(1)	2	0	0	0	0	0	0	0	0
Kayunga	57.1	2360	11	0	3	0	0	0	2	0	0
Kibaale	78.9	2513	7	0	1	0	0	2	10	0	0
Kiboga	93.3	1023	6	0	8	0	0	0	5	0	0
Kibuku	93.3	599	6	0	0	0	0	0	0	0	0
Kiruhura	72.1	2416	0	0	5	0	0	0	1	0	0
Kiryandongo	69.2	1357	5	0	1	0	0	0	0	0	0
Kisoro	100	331	2	0	0	0	0	0	0	0	0
Kitgum	60.7	1940	35	0	4	0	0	0	0	0	0
Koboko	87.5	1116	4	0	0	0	0	0	0	0	0
Kole	100	1879	0	0	1	0	0	0	0	0	0
Kotido	31.6	472	21	0	1	0	0	0	0	0	0
Kumi	77.8	2165	6	0	0	0	0	0	0	0	0
Kween	66.7	535	8(1)	0	0	0	0	0	0	0	0
Kyankwanzi	76	922	1	0	1	0	0	0	2	0	0
Kyegegwa	86.7	940(1)	1	0	1	0	0	0	0	0	0
Kyenjojo	66	1475	4	0	2	0	0	0	2	0	0
Lamwo	95.2	2305(2)	5	0	0	0	0	0	0	0	0
Lira	65.6	1415(1)	10	0	1	0	0	0	1	0	0
Luuka	51.6	1577	0	0	0	0	0	0	0	0	0
Luwero	75.7	1669	2	0	4	0	0	0	1	0	0
Lwengo	80.6	2591(1)	4	0	0	0	0	0	1	0	0
Lyantonde	76.7	2460	2	0	1	0	0	0	1	0	0
Manafwa	79.2	1999(1)	9	0	0	0	0	0	0	0	0
Maracha	100	1333(1)	4(1)	0	3	0	0	0	0	0	0
Masaka	59	919	3	0	0	0	0	0	1	0	0
Masindi	83.7	1127(1)	3	0	4	0	0	0	1	0	0
Mayuge	52.2	2789	12	0	0	0	0	0	0	0	0
Mbale	69.1	2181	6	0	2	0	0	0	0	0	0
Mbarara	73.5	1941(2)	7	0	5	0	0	0	1	0	0
Mitooma	87.5	1258(1)	0	0	0	0	0	0	0	0	0
Mityana	66.1	2340	4	0	6	0	0	0	0	0	0
Moroto	53.3	821	5	0	16	0	0	0	0	0	0
Moyo	100	3064	23	0	2	0	0	0	0	0	0
Mpigi	87.5	1139	3	0	0	0	0	0	0	0	0
Mubende	45.5	1841(4)	12	0	6	0	0	0	1	0	0
Mukono	57.1	1143	3	0	2	0	0	0	0	0	0
Nakapiripirit	82.4	1485(1)	41	0	2	0	0	0	0	0	0
Nakaseke	91.7	1142	14	1	1	0	0	0	2	0	0
Nakasongola	77.1	1389	7	0	1	0	0	0	0	0	0
Namayingo	46.9	2172	7	0	0	0	0	0	1	0	0

Namutumba	73.5	2330	1	0	0	0	0	0	0	0	0
Napak	57.1	754	9	0	6	2(1)	0	0	0	0	0
Nebbi	95.3	2446(4)	17	0	10	0	0	0	0	0	0
Ngora	100	858	0	0	0	0	0	0	0	0	0
Ntoroko	88.9	271	8	0	0	0	0	0	0	0	0
Ntungamo	81.8	1773	0	0	2	0	0	0	0	0	0
Nwoya	94.4	1730	3	0	0	0	0	0	0	0	0
Otuke	73.3	472	8	0	1	0	0	0	0	1	0
Oyam	90.3	3421	12	0	4	0	0	0	0	0	0
Pader	59	2324	20	0	0	0	0	0	0	0	0
Pallisa	63.6	1308	12	0	1	0	0	0	0	0	0
Rakai	58.9	3743(1)	7	0	0	0	0	0	0	0	0
Rubirizi	89.5	1083(1)	0	0	0	0	0	0	0	0	0
Rukungiri	71.9	1163	0	0	2	0	0	0	0	1	0
Sembabule	100	2825	4	0	1	0	0	0	0	0	0
Serere	95.2	1893	7	0	3	0	0	0	0	0	0
Sheema	91.2	1372	1	0	7	1	0	0	0	1	0
Sironko	76.7	1748	0	0	2	0	5	0	0	0	0
Soroti	61.1	3362(3)	12	0	6	0	0	0	0	0	0
Tororo	77.8	2067	11	0	8	0	0	0	0	0	0
Wakiso	36.2	2451	39	0	2	0	0	0	0	2	0
Yumbe	100	1953(1)	11	0	4	0	0	0	0	0	0
Zombo	100	1344	16	0	6	0	0	0	0	1	0

Key: Yellow: 100% reporting, Green: 80-99% reporting, Red: Below 80% reporting

HU= Health Units, AFP=Acute Flaccid Paralysis, AEIs: Adverse Events following Immunization, NNT=Neonatal Tetanus, MDR: Multi-Drug Resistance, NR =Not Reported

Compiled by the Epidemiological Surveillance Division, Ministry of Health