



Ministry of Health Uganda

Weekly Epidemiological Bulletin

Highlights of the week

- Cholera in Kampala, Moroto and Sironko

Summary Table

Indicator	Week 4 2016	Week 5 2016
% Districts	100	100
Ave % HU	75	78
% Timely reports	*	*
AFP	4 (0)	3 (0)
Animal bites	303 (2)	232 (0)
Cholera	61 (2)	29 (1)
Dysentery	935 (1)	1118 (1)
Guinea Worm	0	0
Malaria	213308 (39)	220910 (69)
Measles	66 (0)	78 (0)
Meningitis	6 (0)	3 (0)
NNT	1 (1)	0
Plague	5 (0)	0
Typhoid	1931 (0)	1931 (13)
MDR TB	7 (0)	8 (8)

*Indicator not provided

Completeness of Reporting

In week 5, all the 112 districts reported with average reporting rate of 78% (Figure 1). Fifty (50) districts (45%) achieved the national target of $\geq 80\%$ of the health facilities reporting while 16 districts had reporting rate of 100% (Figure 2). Kampala district has continued to have reporting rates less than 30%. The regional level performance as well as best districts and worst districts in week 5 have been presented in Figures 3. As shown in Figure 3, the number of districts with low reporting rates are on the decline whereas the number of top performing districts are increasing.

Epidemiological Week 5 (25th - 31st Jan 2016)

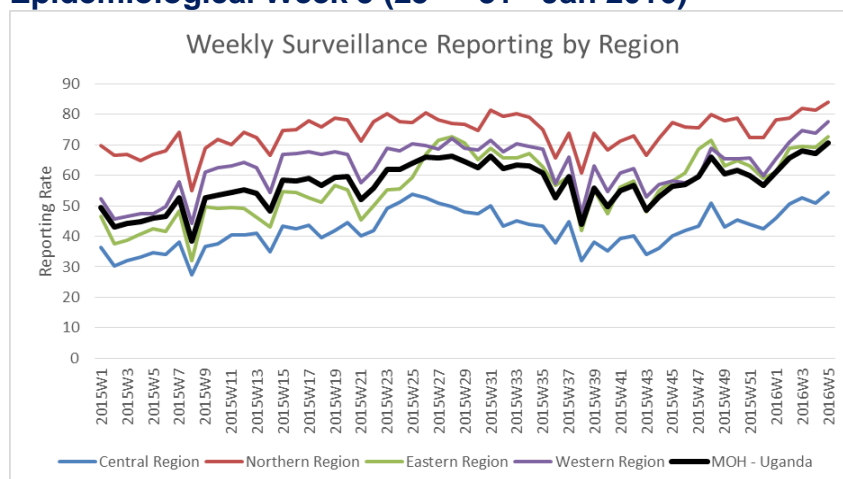


Figure 1: Average reporting level by region for weeks for Week 5 (25th - 31st Jan 2016)



Figure 2: Top and Bottom districts reporting rates

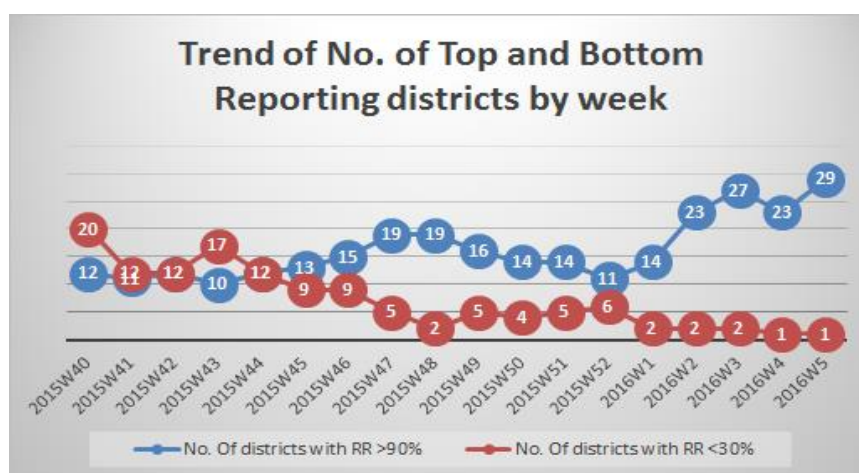


Figure 3: Trends of Top and Bottom reporting rate districts

Disease outbreaks:

Cholera: 29 cases of cholera were reported during this week: 5 cases in Naguru, 3 cases in Moroto and 21 cases with 1 death in Sironko district.

Malaria: Reported Malaria cases have remained high with a 3.6% increase from week 4 of 2016. The case fatality rate is still at 0.03%. The epidemic districts in Northern Uganda remain above the respective Malaria normal channels. Among these districts, Gulu has continued to report the highest number of cases, with two death reported in week 5 2016. **Kasese district** has consistently reported very high malaria cases of over 4000 since week 1 of 2016. Isingiro, Kasese, Iganga, Kamuli and Rakai district also reported over 4000 cases in this week.

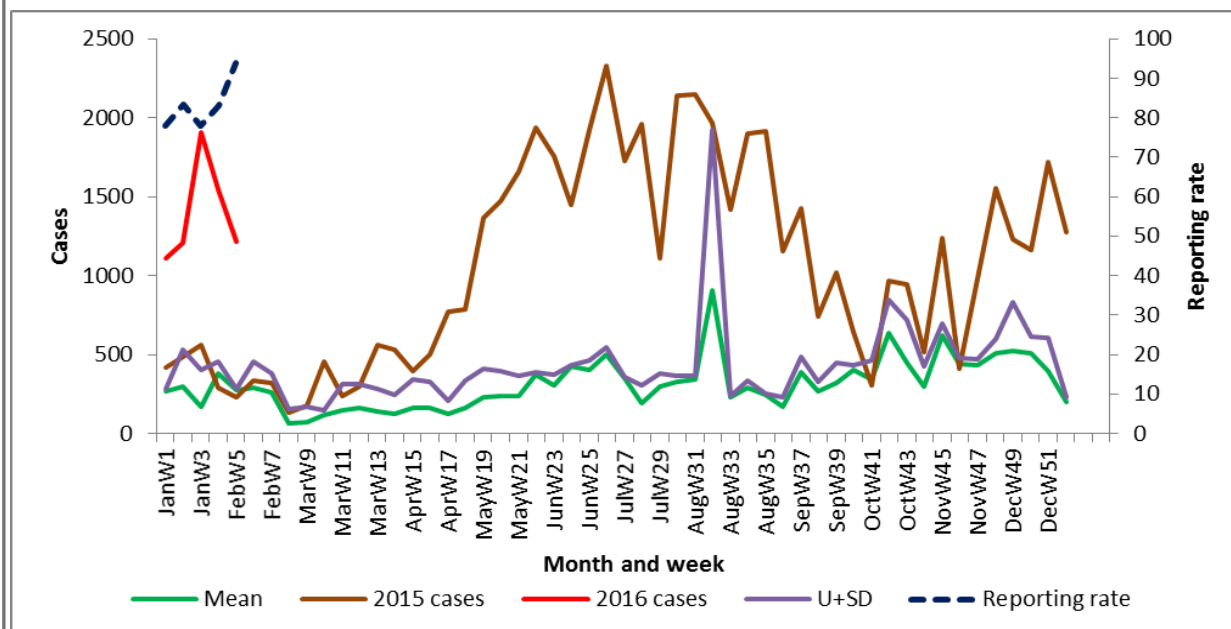


Figure 4: Malaria normal channels and reporting rates for Nwoya district

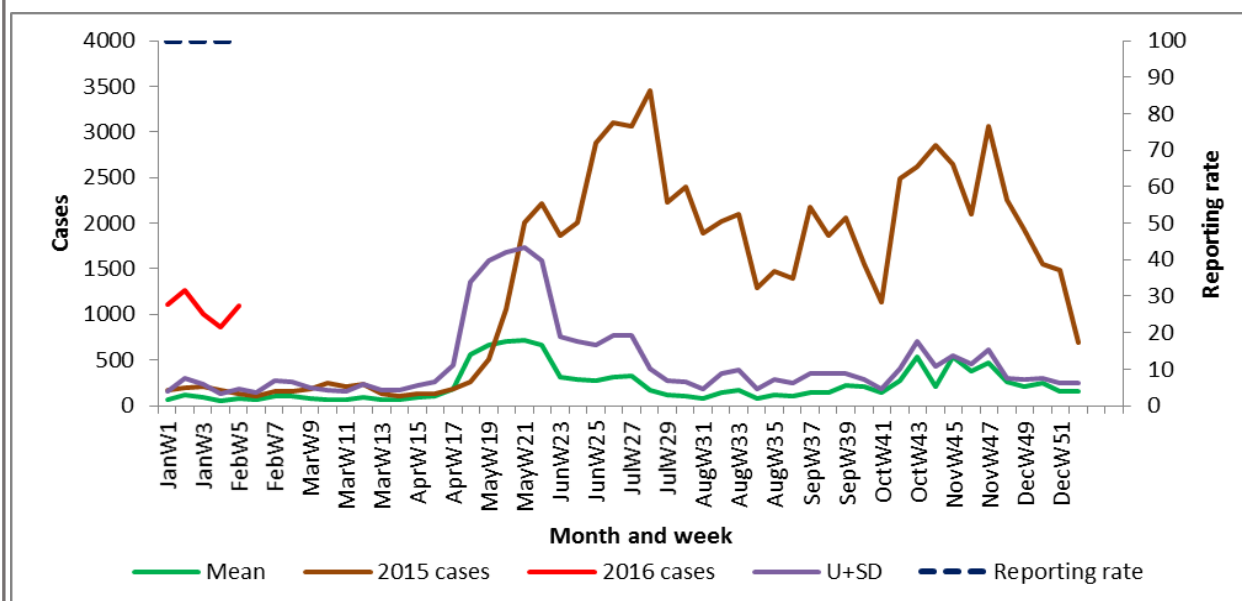


Figure 5: Malaria normal channels and reporting rates for Kole district

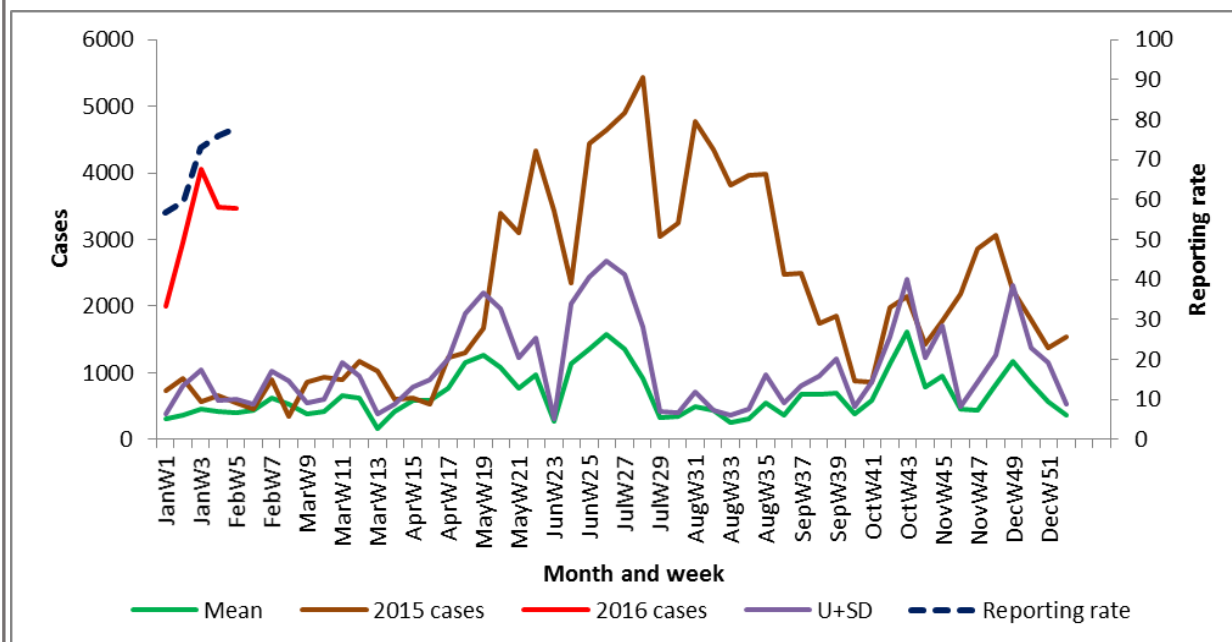


Figure 6: Malaria normal channels and reporting rates for Apac district

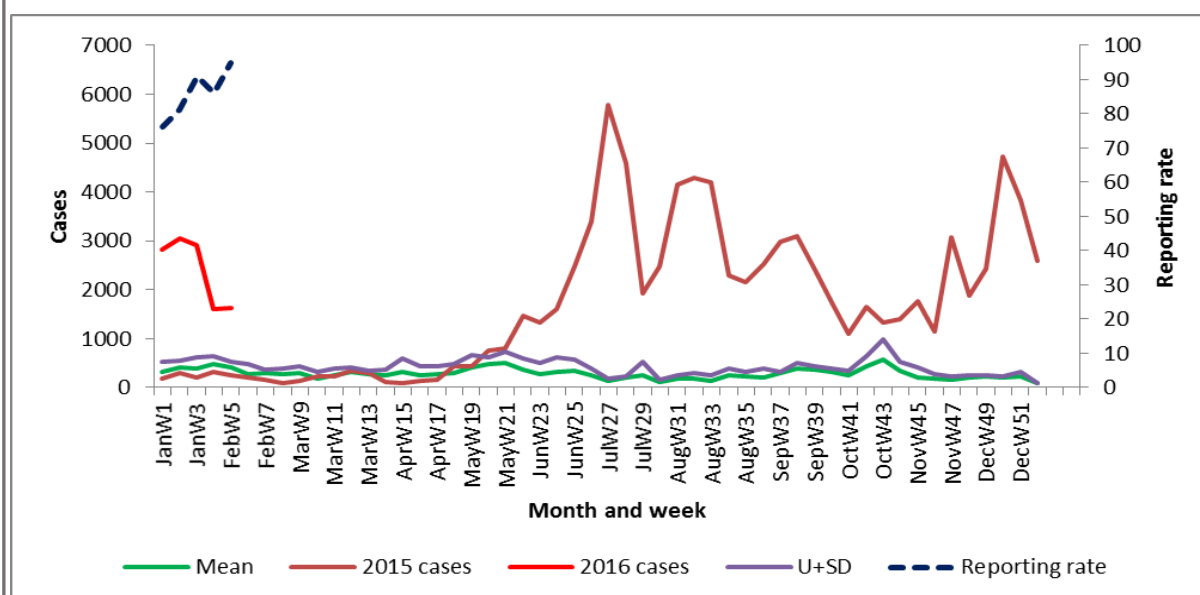


Figure 7: Malaria normal channels and reporting rates for Lamwo district

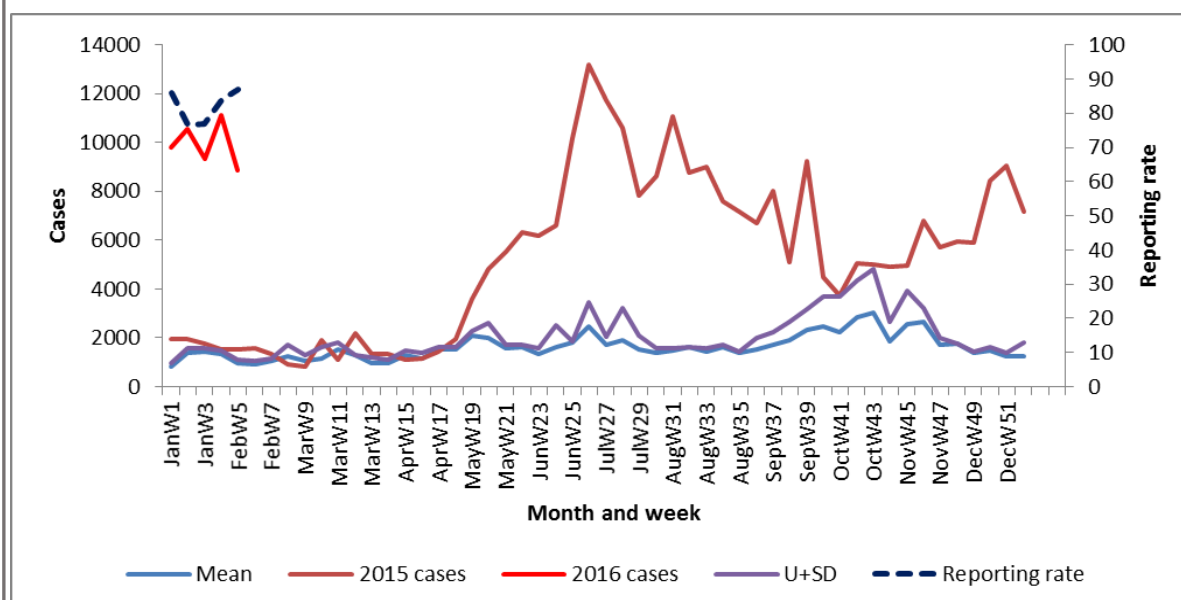


Figure 8: Malaria normal channels and reporting rates for Gulu district

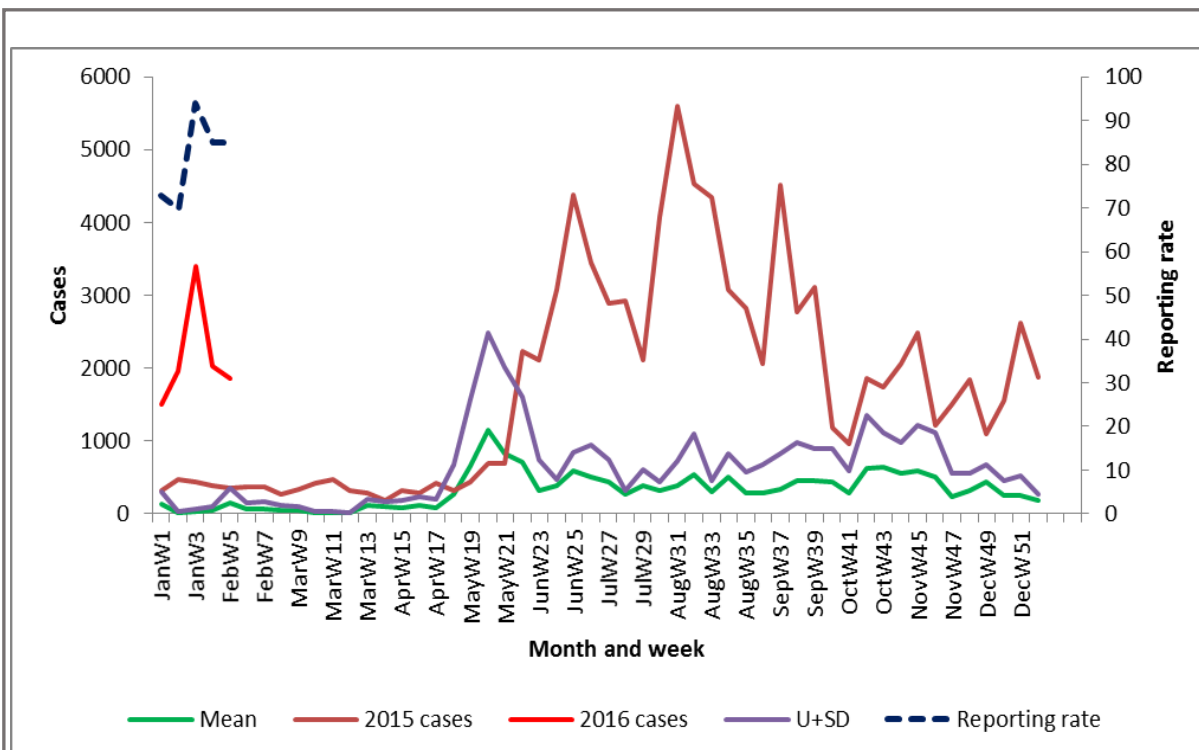


Figure 9: Malaria normal channels and reporting rates for Agago district

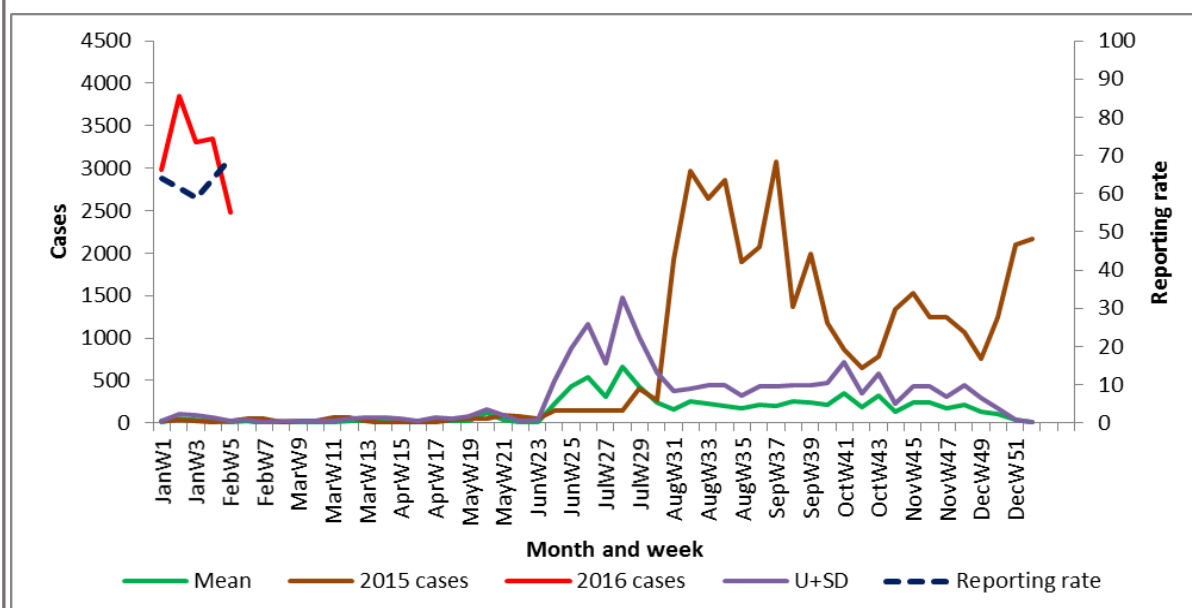


Figure 10: Malaria normal channels and reporting rates for Pader district

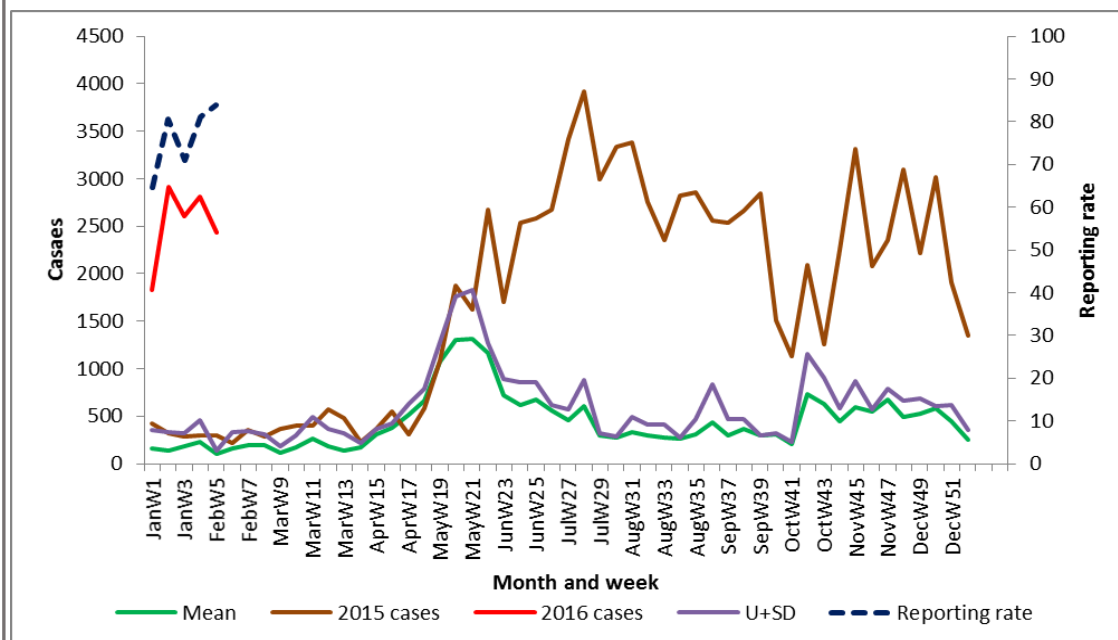


Figure 11: Malaria normal channels and reporting rates for Oyam district

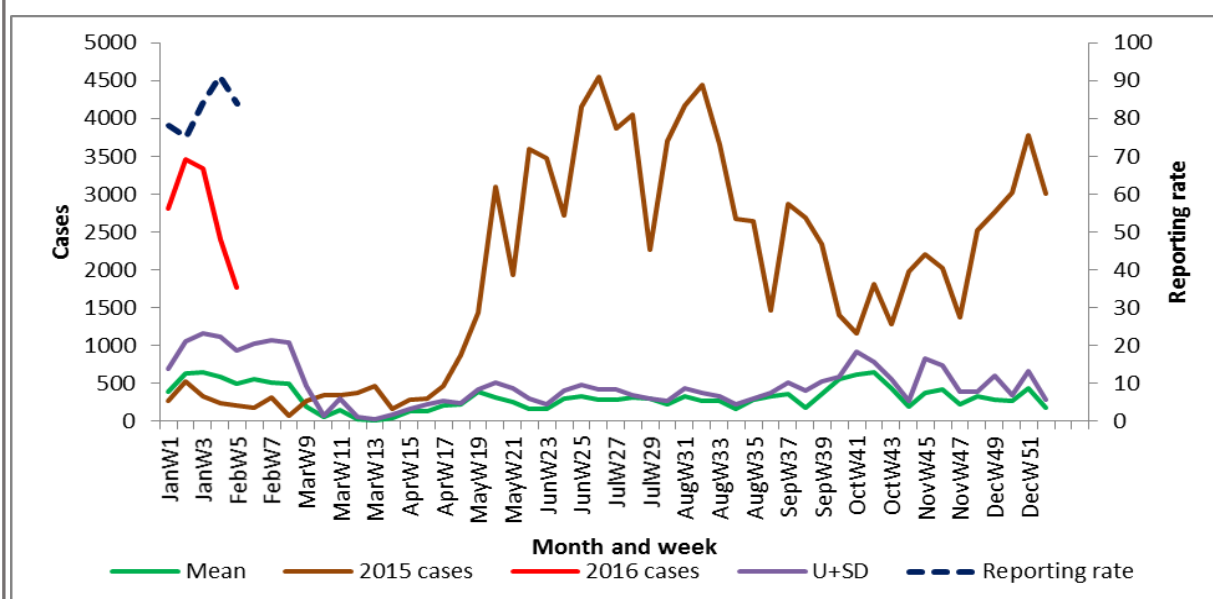


Figure 12: Malaria normal channels and reporting rates for Amuru district

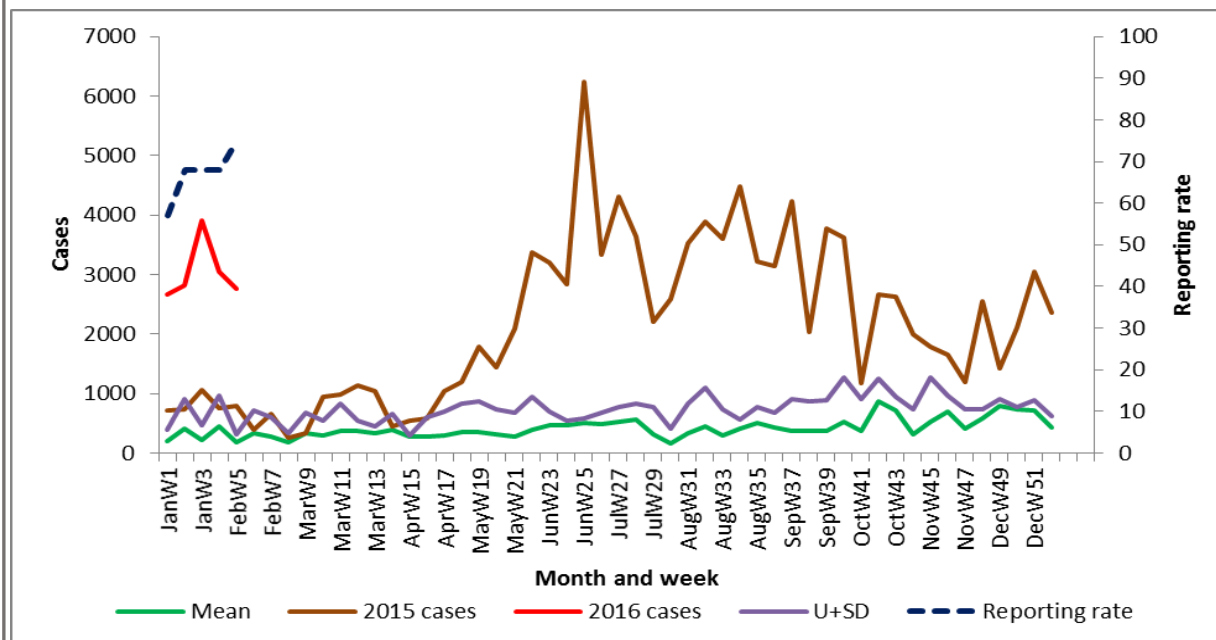


Figure 13: Malaria normal channels and reporting rates for Kitgum district

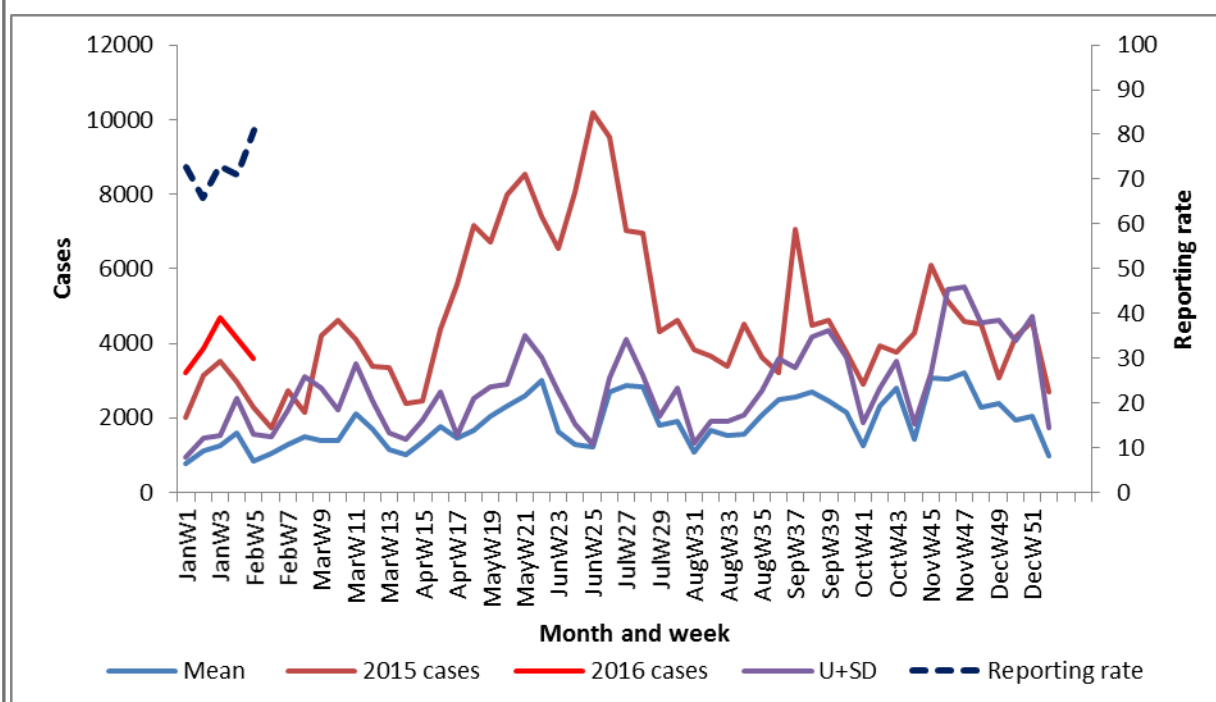


Figure 14: Malaria normal channels and reporting rates for Arua district

Other priority diseases:

AFP: Three (3) cases of AFP were reported from three districts of Kiruhura, Nakaseke and Kabale district. There were no AFP related deaths reported in this week.

Typhoid fever: Similar to last week, 1931 cases of typhoid were reported this week but with 13 deaths of which 12 death were from Kampala. 25 districts reported more than 25 typhoid cases as shown in the graph below.

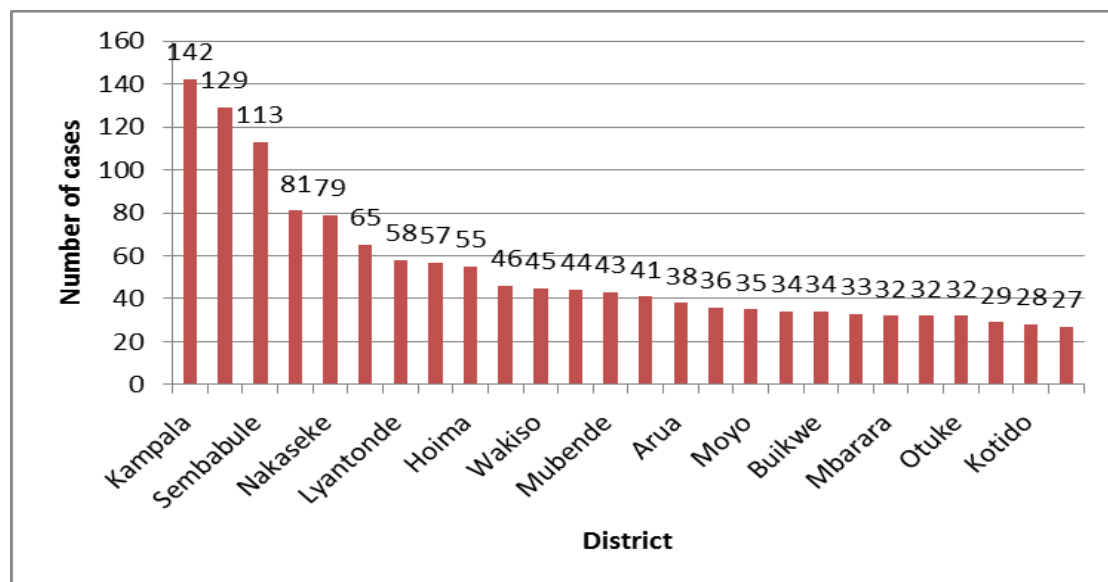


Figure 15: Districts reporting more than 25 typhoid fever cases

Measles: A total of 78 cases of measles were reported during this week with no death. The overall number of districts that reported malaria cases above the outbreak threshold was three and these includes; Kibaale which reported 14 cases , Kampala 8 and Luwero 6 cases.

Neonatal Tetanus: There were zero cases of neonatal tetanus reported in week 5, 2016.

Maternal and perinatal deaths: A total of three (3) maternal deaths were reported from three (3) districts which included; Kampala, Adjumani and Iganga. All facilities submitted the maternal audit forms. Twenty five (25) cases of perinatal deaths were reported.

Table 1: Maternal deaths reported in week 5, 2016

District	Health facility	Maternal death
Adjumani	Adjumani HOSPITAL General Hospital	1
Iganga	Iganga HOSPITAL General Hospital	1
Kampala	Naguru Hospital - China RR Hospital	1

Human influenza: Out of 16 samples collected by Makerere University Walter Reed Influenza surveillance project, none was positive for Influenza. A total of 3 cases have been confirmed as positive for Influenza A and B viruses.

International Health Event

On 25 January 2016, the National IHR Focal Point for the United States of America notified PAHO/WHO of the first laboratory-confirmed cases of Zika virus infection in St. Croix, one of the three main islands in the United States Virgin Islands (USVI). The USVI Department of Health received laboratory confirmation of the case on 22 January. The patient is a non-pregnant woman from USVI who reported the onset of fever, rash, conjunctivitis and arthralgia on 1 January. She had not travelled in the three weeks that preceded the onset of symptoms. A serum sample obtained from the patient on 8 January tested IgM positive at the U.S. Centers for Disease Control and Prevention. The sample was negative for dengue and Chikungunya virus infections. **Public health response:** The territorial health department currently is investigating several suspect cases of Zika virus disease. The public is being urged to take preventive measures to avoid mosquito bites.

Editorial: Mr. J. Kissa, Dr C.Kihembo, Joyce Nguna, 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

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Summary table for epidemiological reports received for Week 5, (25th - 31st Jan 2016)
(Numbers in brackets indicate deaths)

District	% HU reporting	Malaria	Dysentery	AFP	Animal Bites	Bacterial Meningitis	Cholera	Measles	NNT	Other HVFs	Plague	Typhoid Fever
Abim	80	693	18	0	0	0	0	0	0	0	0	0
Adjumani	91.4	3052(1)	33	0	1	0	0	0	0	0	0	1
Agago	76.5	1632	30	0	0	0	0	0	0	0	0	5
Alebtong	72.2	372	9	0	3	0	0	0	0	0	0	0
Amolatar	100	211(2)	5	0	0	0	0	0	0	0	0	5
Amudat	75	236	5	0	0	0	0	0	0	0	0	0
Amuria	76.9	2534	11	0	3	0	0	1	0	0	0	3
Amuru	84.4	1763	13	0	1	0	0	0	0	0	0	2
Apac	78.4	3463	0	0	1	0	0	0	0	0	0	1
Arua	80.8	3581(1)	38	0	0	0	0	0	0	0	0	38
Budaka	100	1698	5	0	1	0	0	0	0	0	0	9
Bududa	100	819	7	0	0	0	0	0	0	0	0	2
Bugiri	82	2777	7	0	4	0	0	0	0	0	0	19
Buhweju	88.2	333	0	0	0	0	0	1	0	0	0	0
Buikwe	66	1876	4	0	5	0	0	2	0	0	0	34
Bukedea	75	1256	9	0	1	0	0	0	0	0	0	3
Bukomansimbi	94.1	1032(1)	2	0	0	0	0	0	0	0	0	22
Bukwo	100	403	21	0	1	0	0	0	0	0	0	12
Bulambuli	100	1388	0	0	0	0	0	0	0	0	0	0
Buliisa	100	607	1	0	0	0	0	0	0	0	0	16
Bundibugyo	96.7	2233	14	0	4	0	0	0	0	0	0	46(1)
Bushenyi	94.9	1836(1)	1	0	3	0	0	0	0	0	0	29
Busia	79.3	3544	3	0	1	0	0	0	0	0	0	5
Butaleja	62.5	832	6	0	0	0	0	0	0	0	0	1
Butambala	65.2	850	2	0	1	0	0	0	0	0	0	4
Buvuma	45.5	354	4	0	1	0	0	0	0	0	0	2
Buyende	100	1499	5	0	1	0	0	0	0	0	0	0
Dokolo	100	788	3	0	0	0	0	0	0	0	0	10
Gomba	89.5	1803	1	0	0	0	0	0	0	0	0	0
Gulu	87.2	8847(2)	51	0	8	0	0	0	0	0	0	81
Hoima	58.8	3258(4)	28	0	5	0	0	0	0	0	0	55
Ibanda	74	2414	0	0	4	0	0	0	0	0	0	4
Iganga	60.7	5327(3)	1	0	6	0	0	0	0	0	0	4
Isingiro	87.1	5533	7	0	0	0	0	0	0	0	0	34
Jinja	53.8	3282	12	0	6	0	0	0	0	0	0	13
Kaabong	81.5	835	9	0	0	0	0	0	0	0	0	8
Kabale	74.6	391	0	1	8	0	0	0	0	0	0	0
Kabarole	66.2	1517(1)	3	0	0	0	0	2	0	0	0	1

Kaberaido	84	1112	10	0	2	0	0	0	0	0	0	10
Kalangala	64.7	506	8	0	1	0	0	1	0	0	0	9
Kaliro	61.9	3072	1	0	0	0	0	1	0	0	0	6
Kalungu	62.1	831	2	0	1	0	0	3	0	0	0	36
Kampala	27.2	1697(24)	20	0	3	0	5	8	0	0	0	142 (12)
Kamuli	49.2	4868	1	0	5	0	0	0	0	0	0	12
Kamwenge	69.6	2917	3	0	5	0	0	2	0	0	0	15
Kanungu	93.8	859	2	0	3	0	0	0	0	0	0	21
Kapchorwa	95	802	6	0	0	0	0	0	0	0	0	0
Kasese	89.5	5436(3)	23	0	5	0	0	0	0	0	0	12
Katakwi	73.1	1527	1	0	0	0	0	0	0	0	0	4
Kayunga	57.1	1960(3)	8(1)	0	1	0	0	0	0	0	0	5
Kibaale	67.6	2446(1)	6	0	2	0	0	14	0	0	0	129
Kiboga	76.7	1472	2	0	1	0	0	0	0	0	0	33
Kibuku	93.3	612	4	0	0	0	0	0	0	0	0	2
Kiruhura	76.7	3766	1	1	4	0	0	1	0	0	0	19
Kiryandongo	76.9	1134	4	0	1	0	0	1	0	0	0	1
Kisoro	94.7	289(1)	1	0	0	0	0	0	0	0	0	3
Kitgum	67.9	2242	32	0	1	0	0	0	0	0	0	18
Koboko	100	1218	5	0	0	0	0	0	0	0	0	0
Kole	100	1100	5	0	0	0	0	0	0	0	0	0
Kotido	42.1	832	26	0	0	0	0	0	0	0	0	28
Kumi	70.4	2447	5	0	0	0	0	0	0	0	0	44
Kween	70.8	504	3	0	0	0	0	0	0	0	0	4
Kyankwanzi	84	1651	2	0	0	0	0	1	0	0	0	41
Kyegegwa	86.7	1644(1)	2	0	0	0	0	2	0	0	0	5
Kyenjojo	57.4	1677	3	0	7	0	0	1	0	0	0	7
Lamwo	95.2	1628(1)	8	0	1	0	0	0	0	0	0	0
Lira	75	1326(1)	9	0	2	0	0	2	0	0	0	18
Luuka	67.7	3273	0	0	0	0	0	0	0	0	0	0
Luwero	79.7	2768(1)	12	0	5	0	0	6	0	0	0	65
Lwengo	77.4	3125	4	0	0	0	0	4	0	0	0	57
Lyantonde	76.7	2672	0	0	1	0	0	1	0	0	0	58
Manafwa	87.5	3224	9	0	4	0	0	0	0	0	0	12
Maracha	100	1096(2)	7	0	0	0	0	0	0	0	0	12
Masaka	59	1217	1	0	1	0	0	2	0	0	0	1
Masindi	76.7	1639	2	0	1	0	0	0	0	0	0	8
Mayuge	58.7	3304	12	0	1	0	0	2	0	0	0	2
Mbale	65.5	1834(2)	3	0	0	0	0	1	0	0	0	4
Mbarara	77.9	2212(1)	93	0	8	0	0	2	0	0	0	32
Mitooma	75	1666	1	0	0	0	0	0	0	0	0	2
Mityana	57.6	2669(1)	7	0	7	0	0	1	0	0	0	11
Moroto	33.3	762	5	0	5	0	3	1	0	0	0	4
Moyo	100	3210(2)	23	0	0	0	0	0	0	0	0	35
Mpigi	87.5	1682	4	0	1	0	0	0	0	0	0	32
Mubende	40.3	2519	84	0	8	0	0	1	0	0	0	43

Mukono	65.3	2042	9	0	2	0	0	0	0	0	0	24
Nakapiripirit	76.5	1393	21	0	0	0	0	0	0	0	0	19
Nakaseke	83.3	2228	9	1	5	0	0	3	0	0	0	79
Nakasongola	68.6	1791	7	0	0	0	0	2	0	0	0	20
Namayingo	65.6	2787	18	0	0	0	0	0	0	0	0	1
Namutumba	67.6	2484	5	0	0	0	0	0	0	0	0	2
Napak	78.6	1153	13	0	6	1	0	0	0	0	0	2
Nebbi	100	3104	26	0	13	1	0	1	0	0	0	9
Ngora	91.7	1367	6	0	0	0	0	1	0	0	0	0
Ntoroko	88.9	313	2	0	0	0	0	0	0	0	0	0
Ntungamo	52.3	1438(1)	0	0	7	0	0	0	0	0	0	6
Nwoya	94.4	1214	5	0	0	0	0	0	0	0	0	0
Otuke	86.7	706	16	0	6	0	0	0	0	0	0	32
Oyam	83.9	2429(1)	11	0	9	0	0	0	0	0	0	3
Pader	69.2	2477	27	0	0	0	0	0	0	0	0	2
Pallisa	63.6	1095(4)	6	0	0	0	0	0	0	0	0	8
Rakai	65.4	4436(1)	8	0	1	0	0	0	0	0	0	16
Rubirizi	89.5	1413	0	0	0	0	0	0	0	0	0	0
Rukungiri	78.7	1501	2	0	6	0	0	1	0	0	0	22
Sembabule	100	3455	6	0	0	0	0	0	0	0	0	113
Serere	90.5	1411	11	0	1	0	0	1	0	0	0	1
Sheema	91.2	1573	0	0	3	0	0	1	0	0	0	0
Sironko	86.7	2781	4	0	1	0	21(1)	0	0	0	0	0
Soroti	66.7	2964	11	0	5	0	0	0	0	0	0	27
Tororo	77.8	2069	12	0	5	0	0	0	0	0	0	16
Wakiso	38.8	3050	16	0	2	0	0	4	0	0	0	45
Yumbe	100	1726	10	0	2	1	0	0	0	0	0	7
Zombo	100	1194	19	0	2	0	0	0	0	0	0	6
National	78	220910 (69)	1118 (1)	3 (0)	232 (0)	3 (0)	29 (1)	78 (0)	0 (0)	0 (0)	0 (0)	1931 (13)

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

HU= Health Units, AFP=Acute Flaccid Paralysis, NNT=Neonatal Tetanus, NR =Not Reported

Compiled by the Epidemiological Surveillance Division, Ministry of Health