



Ministry of Health Uganda

Weekly Epidemiological Bulletin

Summary Table

Epidemiological week 16 Of 2015 [13-19 April 2015]

Indicator	Week 15 2015	Week 16 2015
% Districts	100	100
Ave % HU	57	56
% Timely reports	100	81
AFP	6 (0)	13(0)
Rabies	319(0)	389(0)
Cholera	7(0)	6(0)
Dysentery	1064(0)	1005(0)
Guinea Worm	0(0)	0(0)
Malaria	91467 (37)	107028 (40)
Measles	242(0)	253(0)
Meningitis	0(0)	4(0)
NNT	0(0)	0(0)
Plague	0(0)	0(0)
Typhoid	2381(4)	1527(2)

Completeness of Reporting

All districts (100%) reported **23 districts had 80% or more completeness** (highlighted in yellow in summary table). **Yumbe, Maracha, Moyo, Butambala and Otuke** had **100%** of the health units reporting. At national level, 56% of the health units reported. The districts in the northern region have better reporting rates compared to other regions. Kampala and Pader, had less than 9% of the units reporting; followed by Bugiri, Mubende, Namayingo, Kyankwanzi, Namutumba and Kaberamiido with less than 20%.

Timeliness

The national average was 81% (1818) of 2235 health facilities the submitting timely reports. Up to 61 districts had 80-100% of their facilities reporting timely. **Less than 50%** of the facilities in **Kamuli, Kiboga, Lwengo and Alebtong** submitted timely reports.

Disease Outbreaks

Typhoid fever: The typhoid fever outbreak that started in week 48 of 2014. The data from the surveillance system at the six treatment centres indicates that up to 12,130 cases and 0 reported deaths have been recorded at the six treatment centres in Kampala. This week, districts which reported high number of cases were: Arua (104), Wakiso (137), Luuka (80), Lwengo (74), Bukwo (56) and Gulu (68). However, 25 other districts reported more than 20 cases this week but Kampala did not report.

From 188 blood samples collected from 20/3 to 24/4, 37 *Salmonella typhi* isolates have been obtained. Drug sensitivity tests revealed some resistant isolates to Nalidixic acid but with reduced susceptibility to Ciprofloxacin.

Cholera: Only 6 cases were reported in **Kasese** District in an outbreak which started on **14/03/2015**. The cholera treatment center established in Bwera Hospital is functional and supplies were sent to the district by National Medical Stores to support patient treatment. By 26/04/2015, 68 cases (52% male and 48% females) had been treated; 5 are still admitted and 1 health facility death recorded (**CFR 1.5%**). Children 0-15 years of age (53%) were the most affected. Out of 38 stool samples collected & processed at Bwera Hospital laboratory, 34 (90%) were positive and *Vibrio cholera inaba* was isolated. **Mpondwe MLTC (Nyabugando Parish, 19), Karambi (9) and Kitholho (8)** were the most affected sub-counties. The initial cases in the current outbreak were linked to an ongoing outbreak in the Democratic Republic of Congo (DRC). The cases from DRC have been line listed in Uganda. A support team is in the district to contribute to the control efforts.

Other priority diseases

AFP: The cases more than doubled in week 16 compared to week 15. Luweero district reported 8 out of the 13 AFP cases. The **laboratory results** of the samples submitted should be fed back to the **district to enable them respond** accordingly.

Rabies: Out of 72 districts which reported at least one case of animal bites as a proxy for rabies, 12 districts had ten or more cases. Wakiso district (33) reported the highest number of cases. All these districts should **investigate the cases**, provide detailed **reports of animal bites without provocation and advocate for vaccinating more pets** in collaboration with the Veterinary Offices.

Dysentery: Although 96 districts reported at least a case of dysentery, 30 districts with 10 or more cases need to have detailed **laboratory investigation** to rule out epidemic dysentery by *Shigella*.

Malaria: The increased cases reported matched the increase in reporting rates by health units. Districts with more than 2000 cases this week were: Arua (4748), Kasese (3642), Wakiso (3279), Maracha (2922), Iganga (2350), Kabarole (2403), Tororo (2258), Hoima (2200) and Yumbe (2193). Most of these districts, however, also had more than 65% of their units reporting, thus higher number could be obtained from complete reporting. Malaria testing and treatment analysis has been performed and there is a wide gap between number of suspect cases, testing rate and cases positive by RDT or microscopy (**Figure 1 & Trend Figure 2**).

Measles: This week, **45 districts** reported at least a case (**total of 253 cases**) and of these, were reported; Rukungiri, Luwero, Rakai, Kasese, , Nakaseke, Kabarole, Mbarara, Wakiso and Kampala districts reported **ten or more cases**. The district should follow up to **get laboratory results from UVRI** to institute appropriate **actions** to control the epidemic.

Human Influenza: The UVRI National Influenza Centre data from sentinel surveillance sites for ILI shows that from the start of the year, only 3 out of 246 samples (average of 14 samples collected per week) were positive for Influenza B virus. Globally, the Europe Multistate Influenza 2014-2015 season monitoring update of 23 April 2015 indicates that Influenza activity continued to decrease in most reporting countries. The proportion of influenza-virus-positive specimens from sentinel sources decreased from 28 percent for week 15 to 25 percent for week 16 (**Source: Promed mail**).

Maternal deaths: In week 16, 2187 out of 3823 (55.9%) health facilities reported about maternal deaths. Week 16 reported 14 maternal and 29 perinatal deaths compared to 9 maternal and 9 perinatal deaths in week 15. In Luwero, 2 maternal deaths and one each in Nakapiripirit, Bushenyi, Wakiso, Masaka, Soroti, Bududa, Mbarara, Mukono, Kabarole, Kamuli, Mityana and Arua districts were reported.

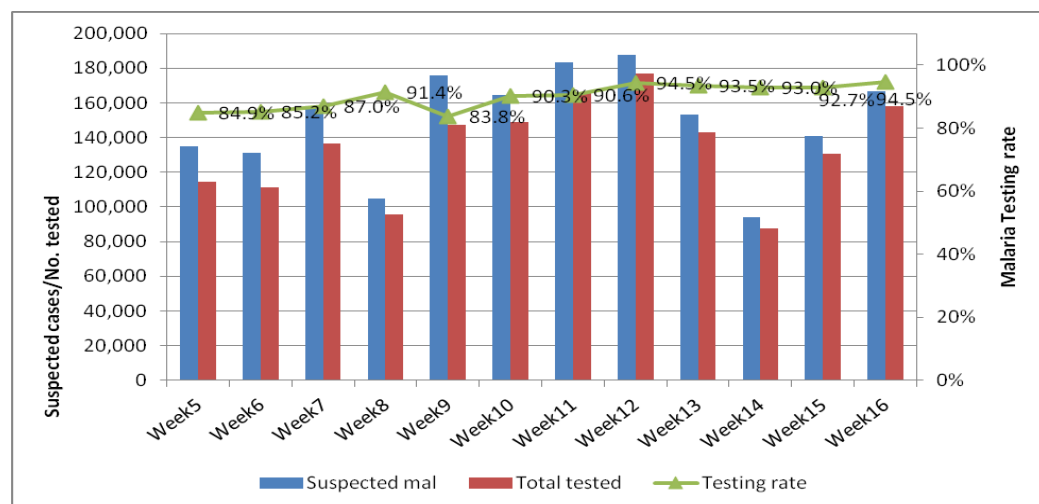


Figure 1: Comparison of malaria suspected cases, RDT positive and testing rate in week 16

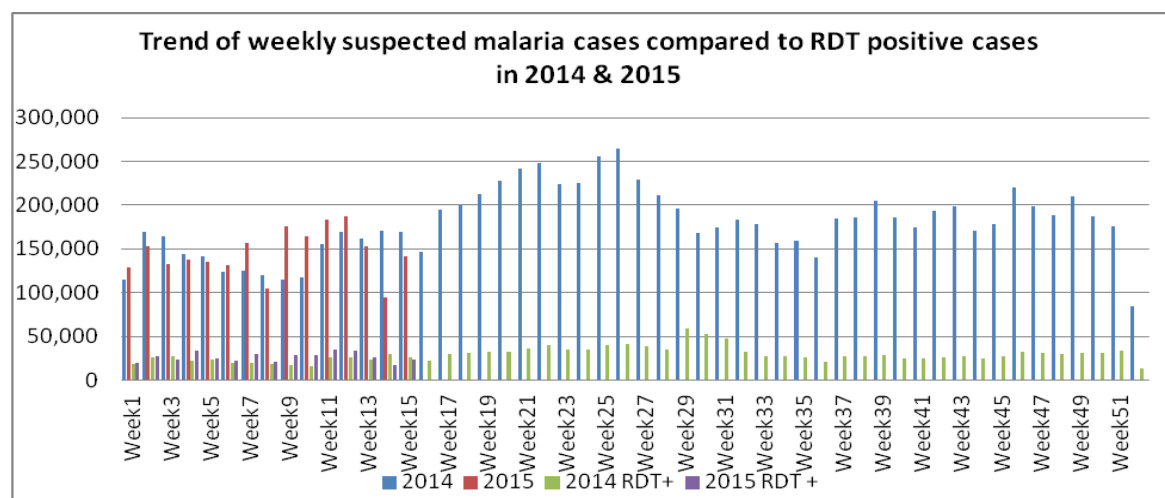


Figure 2: Trend of weekly suspected malaria cases compared to RDT positive in 2014 and 2015

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Summary table for epidemiological reports received for week ending 19th April 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	1	0	13	0	355	0	0	0	0	0
Adjumani	69	0	5	0	23	0	1687	0	0	0	0	0
Agago	70	0	10	0	32	0	278	0	0	0	0	1
Alebtong	64	0	0	0	1	0	153	0	0	0	0	2
Amolatar	75	0	0	0	8	0	427	0	0	0	0	7
Amudat	88	0	0	0	17	0	287	0	0	0	0	3
Amuria	68	0	4	0	0	0	1296	0	0	0	0	0
Amuru	48	0	0	0	18	0	341	0	0	0	0	0
Apac	66	0	2	0	0	0	619	0	0	0	0	0
Arua	78	1	11	0	22	0	4748(1)	5	0	0	0	104
Budaka	44	0	5	0	0	0	583(1)	0	0	0	0	2
Bududa	80	0	0	0	9	0	1014(2)	0	0	0	0	3
Bugiri	14	0	0	0	3	0	563	0	0	0	0	1
Buhweju	47	0	0	0	0	0	144	0	0	0	0	0
Buikwe	34	0	5	0	10	0	905	2	0	0	0	8
Bukedea	27	0	1	0	3	0	87	0	0	0	0	0
Bukomansimbi	71	0	0	0	1	0	357	5	0	0	0	1
Bukwo	93	0	12	0	22	0	504	0	0	0	0	52
Bulambuli	80	0	0	0	0	0	710	0	0	0	0	0
Buliisa	90	0	0	0	8	0	507(1)	0	0	0	0	1
Bundibugyo	68	0	1	0	18	0	1381	0	0	0	0	14
Bushenyi	51	0	3	0	2	0	791	0	0	0	0	16
Busia	39	0	4	0	6	0	1644	0	0	0	0	44
Butaleja	58	0	0	0	11	0	1690	0	0	0	0	0
Butambala	100	0	0	0	3	0	782	1	0	0	0	28
Buvuma	64	0	0	0	5	0	192	0	1	0	0	3
Buyende	70	0	0	0	0	0	712	0	0	0	0	0
Dokolo	94	0	0	0	1	0	656	0	0	0	0	3
Gomba	67	0	2	0	0	0	402	0	0	0	0	1
Gulu	71	0	3	0	30	0	823	0	0	0	0	64
Hoima	67	0	14	0	46	0	2200(4)	5	0	0	0	43
Ibanda	54	0	0	0	0	0	1826	0	0	0	0	3(2)
Iganga	53	0	6	0	7	0	2350(3)	2	0	0	0	0
Isingiro	73	0	0	0	2	0	1633	1	0	0	0	33
Jinja	34	0	0	0	14	0	1477	0	0	0	0	9
Kaabong	37	0	1	0	8	0	559	0	0	0	0	1
Kabale	86	0	8	0	0	0	231	0	0	0	0	0
Kabarole	84	0	19	0	6	0	2403(3)	10	1	0	0	12
Kaberamaido	19	0	4	0	0	0	288	0	0	0	0	0
Kalangala	73	0	0	0	2	0	151	0	0	0	0	1
Kaliro	25	0	0	0	1	0	350	0	0	0	0	7
Kalungu	65	0	0	0	1	0	355	4	0	0	0	22
Kampala	6	0	5	0	215	0	561	4	0	0	0	47
Kamuli	40	0	1	0	4	0	1757	2	0	0	0	0
Kamwenge	50	0	2	0	7	0	1133	2	0	0	0	0
Kanungu	59	0	6	0	23	0	586	10	0	0	0	31
Kapchorwa	82	0	1	0	11	0	623	0	0	0	0	0

District	% of H/U reporting	AFP	Animal bite (Suspected Rabies)	Cholera	Dysentery	Guinea Worm	Malaria	Measles	Meningitis	NNT	Plague	Typhoid Fever
Kasese	76	0	3	6	9	0	3642(3)	22	0	0	0	18
Katakwi	64	0	1	0	3	0	1261	0	0	0	0	0
Kayunga	88	0	2	0	35	0	1556(2)	8	0	0	0	11
Kibaale	47	0	12	0	21	0	1120(1)	9	0	0	0	41
Kiboga	54	0	3	0	9	0	229	3	0	0	0	4
Kibuku	54	0	0	0	0	0	317	0	0	0	0	1
Kiruhura	66	0	3	0	1	0	1486	1	0	0	0	2
Kiryandongo	76	0	2	0	4	0	888	1	0	0	0	17
Kisoro	95	0	1	0	3	0	219	2	0	0	0	2
Kitgum	52	0	12	0	13	0	469	0	0	0	0	21
Koboko	88	0	9	0	2	0	1892	3	0	0	0	7
Kole	75	1	0	0	0	0	161	0	0	0	0	0
Kotido	24	0	5	0	17	0	661	0	0	0	0	48
Kumi	48	0	2	0	3	0	788	0	0	0	0	24
Kween	77	0	0	0	5	0	297	0	0	0	0	7
Kyankwanzi	13	0	0	0	1	0	94	0	0	0	0	4
Kyegegwa	80	0	1	0	4	0	947	2	0	0	0	0
Kyenjojo	54	0	1	0	1	0	615(1)	1	0	0	0	6
Lamwo	95	0	0	0	0	0	134	0	0	0	0	0
Lira	52	0	0	0	9	0	609	2	0	0	0	7
Luuka	39	0	0	0	2	0	543	0	0	0	0	0
Luwero	56	8	2	0	8	0	997	17	1	0	0	80
Lwengo	30	0	0	0	1	0	185	2	0	0	0	18
Lyantonde	52	0	2	0	1	0	738	3	0	0	0	74
Manafwa	74	0	0	0	6	0	976(1)	0	0	0	0	28
Maracha	100	0	1	0	13	0	2922(1)	0	0	0	0	29
Masaka	52	2	0	0	2	0	543(4)	8	0	0	0	10
Masindi	67	0	7	0	19	0	1341(1)	2	0	0	0	7
Mayuge	24	0	2	0	13	0	775	0	0	0	0	0
Mbale	59	0	2	0	3	0	1120	0	0	0	0	5
Mbarara	93	0	6	0	7	0	1459	1	0	0	0	36
Mitooma	48	0	0	0	0	0	479	0	0	0	0	0
Mityana	49	1	14	0	3	0	1518(5)	8	0	0	0	3
Moroto	29	0	7	0	3	0	653	1	0	0	0	5
Moyo	100	0	3	0	15	0	1895	0	0	0	0	32
Mpigi	69	0	0	0	8	0	831	0	0	0	0	11
Mubende	14	0	5	0	10	0	369	4	0	0	0	15
Mukono	63	0	6	0	6	0	1212	0	0	0	0	8
Nakapiripirit	71	0	14	0	13	0	963	0	0	0	0	4
Nakaseke	78	0	9	0	5	0	917	13	0	0	0	42
Nakasongola	24	0	2	0	17	0	264	5	0	0	0	14
Namayingo	17	0	0	0	4	0	332	0	0	0	0	2
Namutumba	18	0	2	0	0	0	660	3	0	0	0	0
Napak	83	0	6	0	11	0	552	0	0	0	0	0
Nebbi	77	0	7	0	32	0	3069(4)	1	0	0	0	11
Ngora	33	0	0	0	1	0	234	0	0	0	0	0
Ntoroko	67	0	1	0	4	0	240	0	0	0	0	2
Ntungamo	54	0	13	0	0	0	553(1)	0	0	0	0	7

District	% of H/U reporting	AFP	Animal bite (Suspected Rabies)	Cholera	Dysentery	Guinea Worm	Malaria	Measles	Meningitis	NNT	Plague	Typhoid Fever
Nwoya	80	0	0	0	2	0	602	0	0	0	0	1
Otuke	100	0	1	0	4	0	351	0	0	0	0	6
Oyam	68	0	8	0	7	0	522	0	0	0	0	4
Pader	3	0	0	0	0	0	11	0	0	0	0	0
Pallisa	50	0	4	0	7	0	1210(1)	0	0	0	0	16
Rakai	33	0	1	0	7	0	1626	11	0	0	0	16
Rubirizi	65	0	2	0	2	0	512	0	0	0	0	6
Rukungiri	59	0	5	0	0	0	992	10	0	0	0	5
Sembabule	50	0	0	0	10	0	581	1	0	0	0	36
Serere	46	0	1	0	6	0	814	0	1	0	0	1
Sheema	38	0	4	0	0	0	579	0	0	0	0	0
Sironko	69	0	1	0	2	0	1454	0	0	0	0	0
Soroti	71	0	10	0	7	0	1835	3	0	0	0	38
Tororo	59	0	8	0	6	0	2258	2	0	0	0	22
Wakiso	51	0	33	0	17	0	3279	28	0	0	0	137
Yumbe	100	0	3	0	17	0	2193	7	0	0	0	10
Zombo	95	0	4	0	10	0	1363	16	0	0	0	2
National	56	13(0)	389(0)	6(0)	923(0)	0(0)	107028 (40)	253(0)	4(0)	0(0)	0(0)	1527(2)

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

Compiled by the Epidemiological Surveillance Division, Ministry of Health