



Ministry of Health Uganda

Weekly Epidemiological Bulletin

Highlights of the week

- Cholera outbreak Wakiso District
- **Three new** Neonatal Tetanus cases in Manafwa and Mbale districts

Summary Table

Indicator	Week 46 2015	Week 47 2015
% Districts	100	99
Ave % HU	63	67
% Timely reports	*	*
AFP	1 (0)	2 (0)
Animal bites	189 (0)	232 (2)
Cholera	29 (0)	32 (0)
Dysentery	881 (1)	853 (0)
Guinea Worm	0	0
Malaria	138,699 (21)	144,430 (37)
Measles	134 (1)	146 (0)
Meningitis	2 (1)	8 (2)
NNT	2 (2)	3 (0)
Plague	0	0
Typhoid	1344 (0)	1330 (1)

*Indicator not provided

Completeness of Reporting

In week 47, 111 districts reported (except Buvuma) with average completeness 67.4% showing a slight improvement compared to week 46. Up to 19 districts achieved the national target of $\geq 80\%$ of the health facilities reporting rate. Kyegegwa, Buliisa, Kole, Koboko, Moyo, Maracha, Adjumani, Alebtong, Bulambuli and Zombo districts had 100% completeness. Lwengo, Lyantonde, Kalangala, Kampala and Kibaale districts had less than 20% reporting facilities.

Epidemiological week 47 of 2015 [16th – 22nd Nov 2015]

Disease Outbreaks

Cholera in Hoima District:

No new cases have been reported.

Cholera in Busia District:

The number of cases has kept increasing in Busia District, despite the intense social mobilisation messages and other control efforts. As of 30th November 2015, a total of 126 cases (2 deaths, CFR 1.5%) had been reported mainly in Busia Municipality (110 cases), Dabani, Sikuda, Buteba and Busitema sub-counties (**Figure 1**). The epidemic curve shows a slight decrease in number of cases (**Figure 3**). Most of the cases were from Mugungu, Marachi and Mawero (**Figure 4**). Of these cases, 71 (56%) were males and 55 females; with mean age as 18.9 years (lowest 0.5 years; highest 75 years). In week 47, Busia reported 32 cases and no deaths. The index case was identified on 29th October 2015 and 3 more cases were reported on 30th October. Seven samples have been confirmed positive by culture (*Vibrio cholera* 01 Ogawa) and 5 RDT positive for Cholera. By 25th November, there were three patients on admission at Busia HC IV. Some cases have also been treated at Masafu and Dabani Hospitals. The deaths were in health facilities; one reported late and died on arrival.

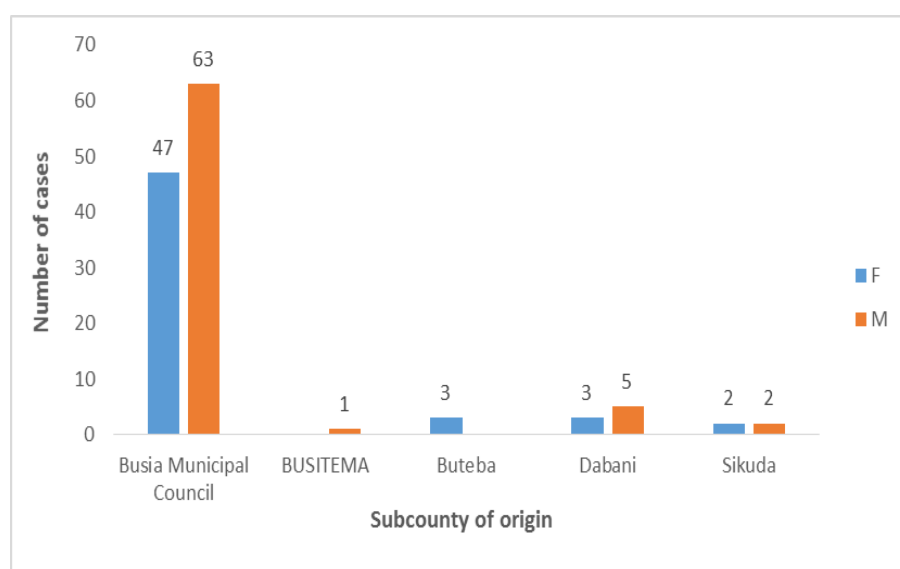


Figure 1: Cholera cases by sex and sub-county of origin in Busia District

Actions: The national Rapid Response Team has been in the district training health workers on using the case definitions, identify cases and manage them appropriately. The District Task Force is actively engaged in control efforts.

Cholera outbreak in Kampala district:

By 30th November, 87 cases and 3 deaths (CFR 8.3%) had been treated in Kiswa HC IV and Mulago Cholera Treatment Centre (where all cases are currently referred and managed). The cases were from mainly from Makindye, Kawempe and Central divisions; and slightly more males (46) were affected than females (41 cases). Of the 44 samples submitted to Central Public Health Laboratories, 26 were confirmed positive for *Vibrio cholerae* 01 Ogawa by culture and isolation or rapid testing. The isolates were susceptible to Tetracycline (30µg), Ciprofloxacin (5µg) and Chloramphenicol (30µg) but had intermediate resistance to Sulfamethoxazole (1.25/23.75)µg and Ampicillin (10µg).

Actions: The National Task Force has been actively meeting thrice a week; and supporting Kampala Capital City Authority health division to control the outbreak. MOH and partners have supported water chlorination at household level using aquatablets; soap and water for hand washing in public places and in vulnerable communities in the affected zones, stand pipes with treated water and general patient care. The social mobilisation team deployed film vans which are providing health education to the affected communities.

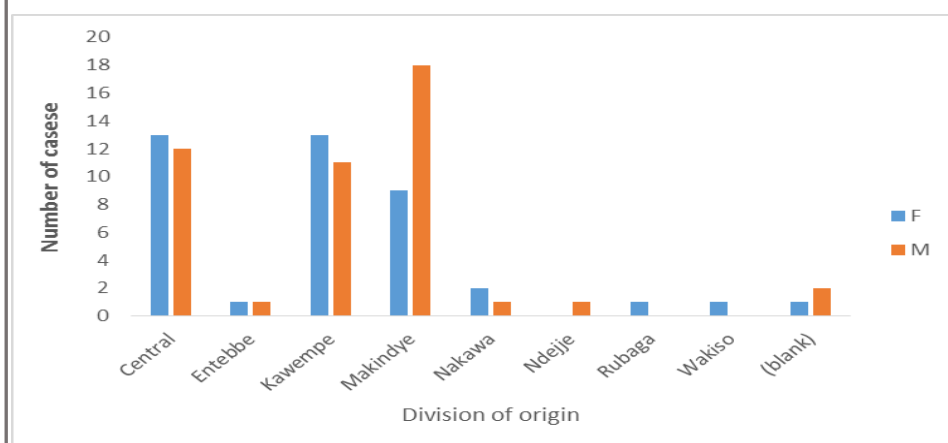


Figure 2: Cholera cases in Kamapala divisins by sex by 30th November 2015

Malaria: Malaria cases increased in week 47 reflecting the increase in reporting rate. The normal channels of malaria cases in the 10 former IRS districts in Northern Uganda reflect a slight increase in cases.

Other priority diseases

AFP: Every district has reported at least one AFP case this year. In week 47, two cases were reported, in Nakaseke and Adjumani districts. The Non-polio AFP rate is 2.49/100,000 children aged 0 – 14 years compared to Non-polio AFP rate of 2.14/100,000 in the corresponding week of 2014.

Typhoid fever: In week 47, there was no change in number of cases. At least one case of typhoid was reported by 90 districts compared to 76 district in week 46; and 23 of these exceeded the alert threshold of 20 cases (**Figure 3**). Kampala district reported the highest number of cases.

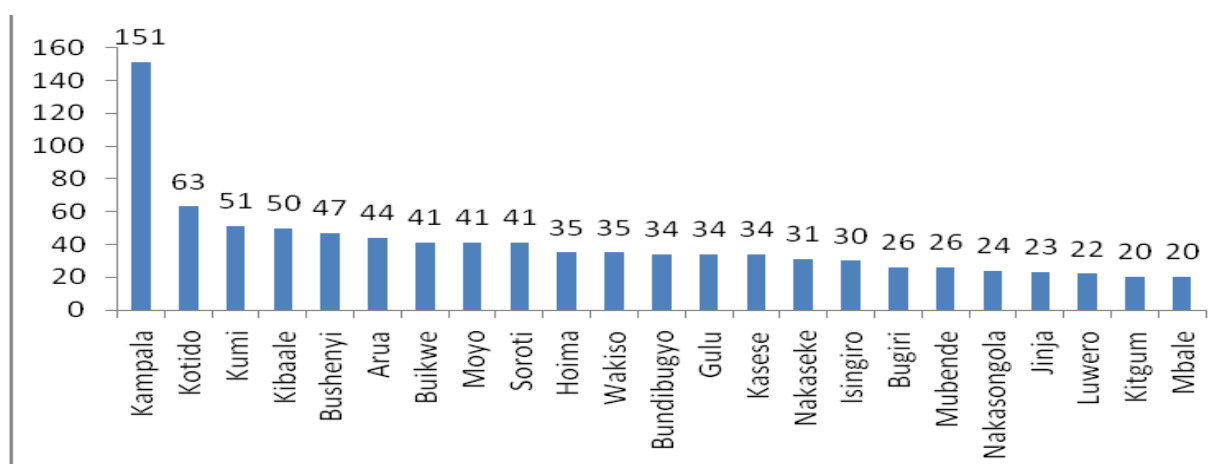


Figure 3: Districts reporting suspected typhoid cases above the alert threshold of ≥20 cases

Measles: The number of suspected measles cases increased by 10cases compared to the previous week with 8

districts reporting 5 or more suspected Measles cases (**Figure 4**).

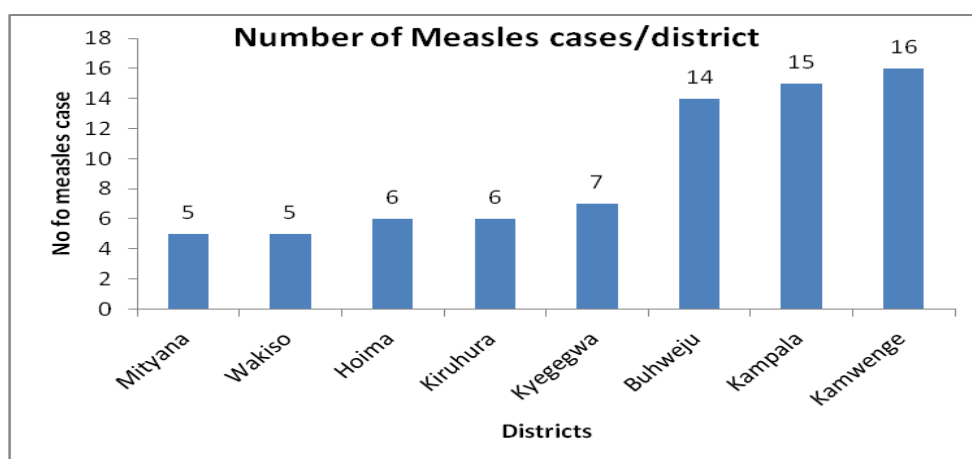


Figure 4: Districts reporting 5 or more suspected cases of measles in week 47, 2015

Maternal and perinatal deaths: A total of seven maternal deaths were reported from 7 health facilities (**Table 1**). Additionally, a total of 47 perinatal deaths were recorded as well from 27 health facilities.

Table 2: Reported maternal deaths in week 47

District	Division/Sub-county/Town Council	Health Facility	Number of deaths
Buikwe	Najjembe Subcounty	Buwundo Health Center II	1
Rakai	Kalisizo Subcounty	Kalisizo Hospital	1
Mubende	Mubende Town council	Mubende Regional R eferral Hospital	1
Nebbi	Nyaravur Subcounty	Angal St.Luke Hospital	1
Lira	Adyel Division	Lira Regional Referral Hospital	1
Hoima	Kahoorra Division	Hoima Regional Referral Hospital	1
Kisoro	Kisoro Town Council	Kisoro Hospital	1

Influenza in Humans: Two of the 11 samples collected from suspected Influenza patients and analysed by the weekly surveillance system at Makerere University Walter Reed Influenza Surveillance Project were positive for Influenza B.

International Health Event

Ebola VHF in West Africa

No confirmed cases were reported in the week to 29 November. Investigations are ongoing into the origin of infection of the cluster of 3 confirmed cases of Ebola virus disease (EVD) reported from Liberia in the week to 22 November. The first-reported case in that cluster was a 15-year-old boy who tested positive for EVD after admission to a health facility in the Greater Monrovia area on 19 November. He was then transferred to an Ebola treatment centre along with the 5 other members of his family. Two other members of the family – the boy's 8-year old brother and his 40-year-old father – subsequently tested positive for EVD whilst in isolation. The 15-year-old boy died on 23 November. In addition to the family of the first-reported case, 165 contacts have been identified so far, including 34 high-risk contacts. Liberia was previously declared free of Ebola transmission on 3 September 2015. <http://apps.who.int/ebola/current-situation/ebola-situation-report-2-december-2015>

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Summary table for epidemiological reports received for week ending 22nd November 2015

(Numbers in brackets indicate deaths)

District	% of H/U reporting	AFP	Animal bites	Cholera	Dysentery	Guinea Worm	Malaria	Measles	Meningitis	NNT	Plague	Typhoid Fever
Abim	65	0	1	0	11	0	446	0	0	0	0	1
Adjumani	100	1	0	0	44	0	4467(2)	0	0	0	0	0
Agago	58.8	0	0	0	19	0	1,507	0	0	0	0	0
Alebtong	100	0	1	0	4	0	534(1)	1	0	0	0	7
Amolatar	92.3	0	0	0	4	0	220	0	0	0	0	2
Amudat	50	0	0	0		0	118	0	0	0	0	0
Amuria	84.6	0	4	0	5	0	2,073	0	0	0	0	1
Amuru	62.5	0	0	0	11	0	1,381	0	0	0	0	1
Apac	70.3	0	0	0	1	0	2867(1)	0	0	0	0	1
Arua	69.9	0	2	0	26	0	4,599	0	0	0	0	44
Budaka	93.8	0	0	0	2	0	996	0	0	0	0	0
Bududa	93.3	0	4	0	3	0	897	0	0	0	0	6
Bugiri	78	0	2	0	13	0	1,957	3	0	0	0	26
Buhweju	70.6	0	0	0		0	70	14	0	0	0	0
Buikwe	62.3	0	4	0	11	0	1,092	2	0	0	0	41
Bukedea	87.5	0	1	0	1	0	930	0	0	0	0	9
Bukomansimbi	58.8	0	0	0		0	311	0	0	0	0	0
Bukwo	81.3	0	2	0	6	0	133	0	0	0	0	0
Bulambuli	100	0	0	0		0	1,141	0	0	0	0	0
Buliisa	100	0	2	0	13	0	497(1)	0	0	0	0	2
Bundibugyo	93.3	0	1	0	12	0	1,926	0	0	0	0	34
Bushenyi	74.4	0	6	0	1	0	1,090	0	0	0	0	47
Busia	75.9	0	9	1	8	0	1,503	0	1	0	0	15
Butaleja	54.2	0	0	0	1	0	1,078	0	0	0	0	9
Butambala	69.6	0	0	0	2	0	262	1	0	0	0	0
Buvuma		0	0	0	0	0		0	0	0	0	0
Buyende	86.4	0	3	0		0	1,012	0	0	0	0	0
Dokolo	93.8	0	0	0	3	0	586	0	0	0	0	6
Gomba	84.2	0	0	0	2	0	499	0	0	0	0	4
Gulu	73.3	0	3	0	31	0	5,707	0	0	0	0	34
Hoima	34.1	0	4	0	19	0	1,179	6	0	0	0	35
Ibanda	58	0	5	0		0	1,403	3	0	0	0	1
Iganga	60.7	0	0	0	2	0	2464(3)	3	0	0	0	1
Isingiro	71.4	0	1	0	5	0	1,435	1	0	0	0	30
Jinja	43.6	0	5	1	4	0	2087(6)	0	1	2	0	23(1)
Kaabong	74.1	0	1	0	12	0	717	0	0	0	0	2
Kabale	72	0	2	0	1	0	262	0	0	0	0	0
Kabarole	39.7	0	10	0	12	0	748(1)	0	0	0	0	10
Kaberamaido	72	0	1	0	7	0	1,000	1	0	0	0	9
Kalangala	29.4	0	0	0	0	0	3	1	0	0	0	1
Kaliro	71.4	0	0	0	4	0	1,986	0	0	0	0	3
Kalungu	34.5	0	0	0	1	0	104	4	0	0	0	5
Kampala	22.8	0	11	0	9	0	1,311	15	0	0	0	151
Kamuli	35.6	0	5(1)	0	1	0	2158(2)	0	0	0	0	5
Kamwenge	67.4	0	7	1	24	0	3,370	16	1	0	0	8
Kanungu	68.8	0	0	0	1	0	842	1	0	0	0	18
Kapchorwa	80	0	0	0	7	0	653	0	0	0	0	2
Kasese	67.6	0	1	0	2	0	2453(2)	1	0	0	0	34
Katakwi	46.2	0	0	0		0	1,185	0	0	0	0	0
Kayunga	42.9	0	4	0	13	0	1,157	2	0	0	0	4
Kibaale	18.3	0	1	0	3	0	406	1	0	0	0	50
Kiboga	63.3	0	0	0	2	0	265	3	0	0	0	6

District	% of H/U reporting	AFP	Animal bites	Cholera	Dysentery	Guinea Worm	Malaria	Measles	Meningitis	NNT	Plague	Typhoid Fever
Kibuku	93.3	0	0	1	3	0	643	1	1	0	0	4
Kiruhura	37.2	0	1	0	0	0	665	6	0	0	0	0
Kiryandongo	69.2	0	2	0	10	0	941	0	0	0	0	10
Kisoro	78.9	0	0	0	1	0	153	2	0	0	0	5
Kitgum	50	0	1	0	11	0	1,191	0	0	0	0	20
Koboko	100	0	3	0	7	0	1,981	0	0	0	0	2
Kole	100	0	3	0		0	3,065	0	0	0	0	0
Kotido	42.1	0	0	0	37	0	480	0	0	0	0	63
Kumi	55.6	0	0	0	4	0	1449(1)	0	0	0	0	51
Kween	66.7	0	1	0	8	0	639	0	0	0	0	2
Kyankwanzi	80	0	1	0		0	647	3	0	0	0	17
Kyegegwa	100	0	1	0	2	0	1,763	7	0	0	0	4
Kyenjojo	46.8	0	4	0	6	0	733	2	0	0	0	7
Lamwo	76.2	0	3	0		0	1082(1)	0	0	0	0	0
Lira	81.3	0	1	0	7	0	1663(3)	1	0	0	0	7
Luuka	64.5	0	0	0	0	0	1,283	0	0	0	0	0
Luwero	62.2	0	8	0	5	0	944	2	0	0	0	22
Lwengo	25.8	0	0	0	1	0	425(1)	0	0	0	0	6
Lyantonde	6.7	0	0	0	0	0	112	0	0	0	0	4
Manafwa	87.5	0	4	0	13	0	1606(1)	0	0	0	0	13
Maracha	100	0	1	0	9	0	996	0	0	0	0	18
Masaka	41	0	0	0		0	256	3	0	0	0	1
Masindi	79.1	0	4	0	14	0	997	1	0	0	0	15
Mayuge	63	0	0	0	10	0	2,148	0	0	0	0	5
Mbale	71.7	0	2	0	14	0	2247(2)	0	0	0	0	20
Mbarara	58.2	0	1	0	4	0	660	2	0	0	0	12
Mitooma	50	0	0	0		0	986	0	0	0	0	0
Mityana	52.5	0	6	0	6	0	1,237	5	0	0	0	2
Moroto	40	0	0	0	14	0	321	0	0	0	0	4
Moyo	100	0	0	0	26	0	4,351	0	0	0	0	41
Mpigi	85	0	2	0	2	0	697	0	0	0	0	16
Mubende	36.4	0	1	3	11	0	1,522	2	3	1	0	26
Mukono	61.2	0	5	0	11	0	1,237	0	0	0	0	11
Nakapiripirit	82.4	0	2	0	30	0	1,259	0	0	0	0	4
Nakaseke	58.3	1	3	0	6	0	676	3	0	0	0	31
Nakasongola	62.9	0	7	0	7	0	701	0	0	0	0	24
Namayingo	59.4	0	2	0	14	0	2454(2)	3	0	0	0	8
Namutumba	64.7	0	0	0	1	0	1,020	2	0	0	0	3
Napak	78.6	0	6	0	21	0	1,108	0	0	0	0	0
Nebbi	100	0	6	0	55	0	5627(1)	0	0	0	0	13
Ngora	83.3	0	0	1		0	1,013	0	1	0	0	0
Ntoroko	55.6	0	2	0	4	0	211	2	0	0	0	3
Ntungamo	38.6	0	11	0	0	0	603	1	0	0	0	8
Nwoya	77.8	0	0	0	3	0	979	0	0	0	0	0
Otuke	73.3	0	0	0	4	0	462	4	0	0	0	2
Oyam	61.3	0	8	0	3	0	2,355	0	0	0	0	4
Pader	38.5	0	0	0	10	0	1,248	0	0	0	0	0
Pallisa	81.8	0	1(1)	0	3	0	1672(3)	0	0	0	0	11
Rakai	55.1	0	0	0	20	0	2,054	3	0	0	0	11
Rubirizi	94.7	0	0	0		0	537	0	0	0	0	0
Rukungiri	57.3	0	0	0		0	676	2	0	0	0	3
Sembabule	41.7	0	2	0	1	0	377	1	0	0	0	19
Serere	85.7	0	1	0	1	0	1722(272)	0	0	0	0	4

District	% of H/U reporting	AFP	Animal bites	Cholera	Dysentery	Guinea Worm	Malaria	Measles	Meningitis	NNT	Plague	Typhoid Fever
Sheema	64.7	0	0	0		0	475	0	0	0	0	0
Sironko	66.7	0	1	0	2	0	1,226	0	0	0	0	0
Soroti	66.7	0	8	0	15	0	2,216	0	0	0	0	41
Tororo	77.8	0	2	0	6	0	1433	1	0	0	0	1
Wakiso	39.5	0	5	0	11	0	1,814	5	0	0	0	35
Yumbe	95.8	0	4	0	15	0	3,523	0	0	0	0	7
Zombo	100	0	3	0	22	0	782	3	0	0	0	2
National	67	2 (0)	232 (2)	32 (0)	853 (0)	0(0)	144,430 (37)	146 (0)	8 (2)	3 (0)	0	1340 (0)

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