



Ministry of Health Uganda

Weekly Epidemiological Bulletin

Epidemiological week 50 (7th - 13th Dec 2015)

Highlights of the week

- Cholera outbreak in Kampala, Busia and Mbale Districts
- Guinea worm case reported in Kaabong district under investigation

Summary Table

Indicator	Week 49 2015	Week 50 2015
% Districts	99	100
Ave % HU	63.5	68.3
% Timely reports	*	*
AFP	4 (0)	4 (0)
Animal bites	257 (0)	288 (0)
Cholera	39 (0)	39 (1)
Dysentery	1188(1)	805 (0)
Guinea Worm	0	1 (0)
Malaria	143,792 (38)	167,328 (26)
Measles	128 (0)	101 (0)
Meningitis	6 (1)	4 (2)
NNT	0	2 (1)
Plague	0	0
Typhoid	1298 (0)	1439 (0)
MDR TB	4(1)	5 (0)

*Indicator not provided

Completeness of Reporting

In week 50, all (112) districts reported with average completeness of 68.3%. A total of 29 districts achieved the national target of ≥80% of the health facilities reporting rate. Amudat, Budaka, Buliisa, Moyo, Koboko, Maracha, Yumbe, districts had 100% completeness. Kampala (19%) and Buvuma (18.2%) districts had less than 20% reporting facilities. The regional level performance as well as best districts and worst districts in week 50 have been presented in **Figure 1**.

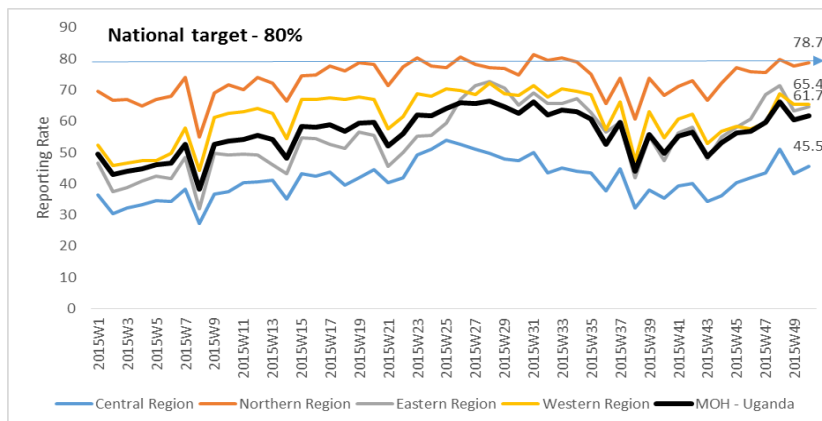


Figure 1: Average reporting level by region for weeks 1-50, 2015

Disease Outbreaks

Cholera outbreak in Busia District

The number of cases is increasing, despite of the control efforts instituted by the district level authorities. By 18th December, a total of 212 cases (2 deaths; CFR 0.1%) had been recorded, mainly from Busia Municipality. The age range is from 1-65 years and 25 cases aged 0-4 years have been managed. During week 50, 34 cases and one death were reported in the district.

Actions: The national 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

The outbreak started on 20th October in Makindye Division (Bukasa, Kanyogoga zones) and later spread to Rubaga Division (Kisenyi zone). The number of cases in Kampala have continued, affecting mostly Makindye, Central and Rubaga divisions. By 19th December, a total of 238 cases and 3 deaths (CFR 1.1%) have been treated/recorded and more males (136 – 54% are affected compared to 98 females (46%). **Table 1** shows the situation by 19th December 2015.

Actions: The National Task Force meets once a week; and supports 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. Health education messages on prevention are on air (radio).

Table 1: Summary of the Cholera outbreak situation in Kampala District, October to December 19th 2015

No	Summary of cases	Total Number
1	New suspect cases today	7
2	New deaths	0
3	Cumulative cases (probable & confirmed cases)	238
4	Cumulative deaths (probable & confirmed cases) in Health Facilities <ul style="list-style-type: none"> • Community 	4 (3 community deaths , 1 Hospital death)
5	Total number of cases on admission	8 (6 in Mulago, 2 in Naguru)
6	Cummulative cases discharged	232
7	Current admissions of Health Care Workers	0
8	Cummulative cases of Health Care Workers	0
9	Cummulative deaths of Health Care Workers	0
10	Specimens collected and sent to CPHL today	6
11	Cumulative specimens collected	179
12	Cummulative cases with lab. confirmation (acute)	37
13	Date of admission of last confirmed case	12 th December, 2015
14	Date of discharge of last confirmed case	15 th December, 2015
15	Confirmed cases that have died	0

Mbale District Cholera outbreak

There is a confirmed cholera outbreak in Mbale district with a cumulative of 41 cases by 19 December 2015 (20 female). The contamination of the water channel from Busia is indicated as the source of the outbreak. Heavy rains, coupled with blocked drainage channels have been highlighted as the influencing factors. In week 50, Mbale recorded three cases in the weekly submission.

In Hoima Municipality, another outbreak of cholera has been confirmed, two months after an outbreak in rural Hoima. By 19th December, 8 cases (5 male) had been treated at Hoima Regional Referral Hospital. Similar efforts to control this outbreak have been deployed.

Malaria: Reported Malaria cases remain high with a slight increase from 143,792 cases and 38 deaths in week 49 to 167,328 cases and 36 deaths in week 50. The cases in the epidemic districts in Northern Uganda remain above the respective Malaria normal channels. In week 50, 15 districts reported cases above 3000, and Gulu had the highest number (**Figure 2**). Amuru, Gulu, Lamwo, Arua and Oyam still have a malaria outbreak.

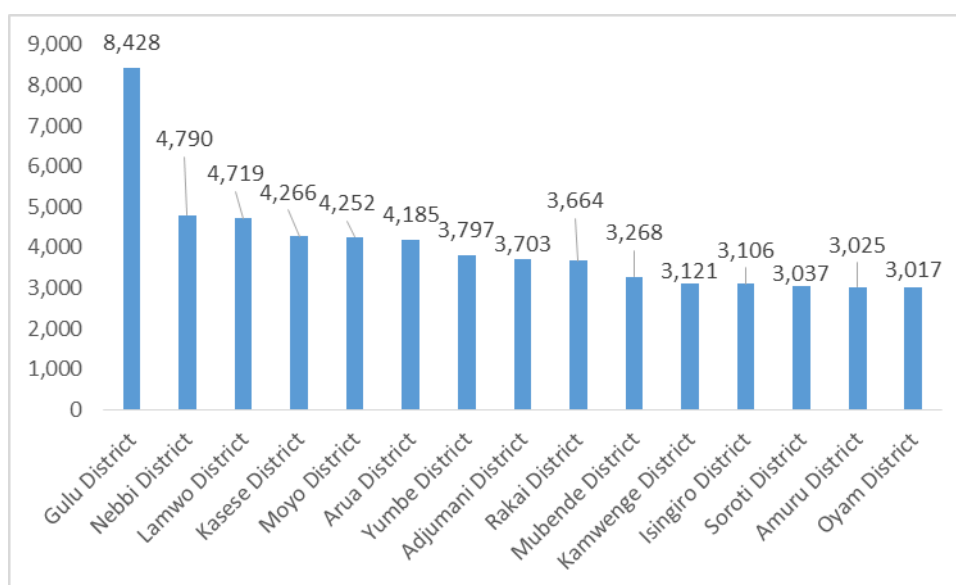


Figure 2: Districts reporting more than 3000 malaria cases in week 50

Other priority diseases

AFP: There were 4 cases of AFP reported this week from Yumbe, Kiruhura, Mbale and Kayunga districts (one case each). All districts had reported at least one case each since the start of 2015.

Typhoid fever: The number of reported typhoid cases continues to be high. In week 50, there was a gradual the

number of typhoid cases reported slightly increased; with 20 districts reporting 20 or more cases (**Figure 3**).

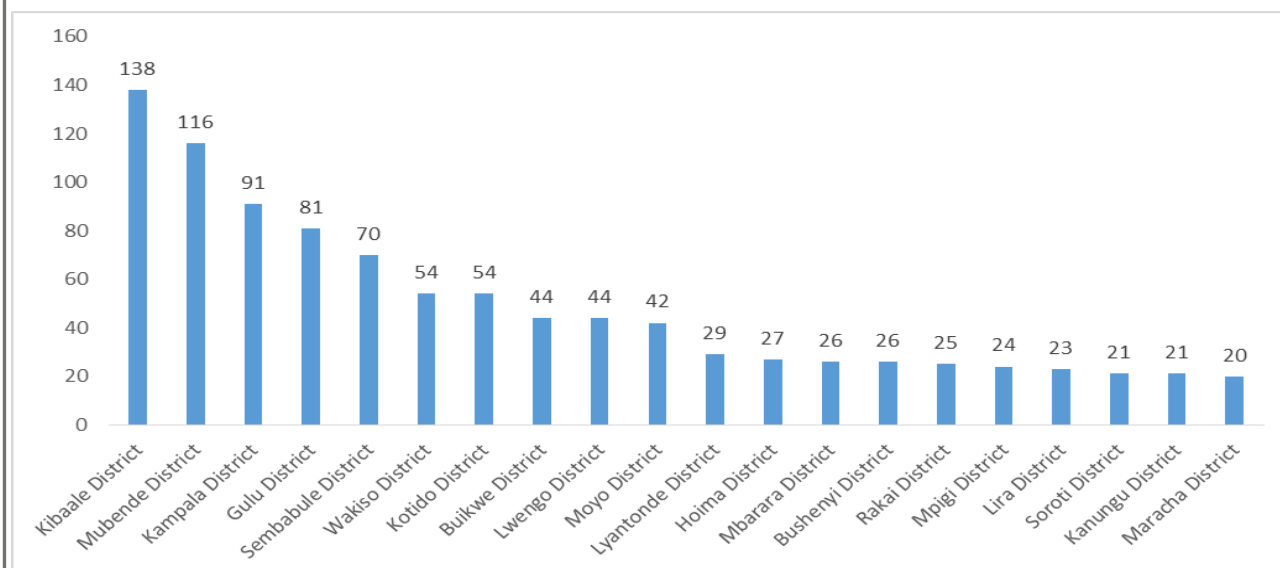


Figure 3: Districts reporting typhoid cases above the threshold of 20 suspected cases in week 50, 2015

Measles: Eight districts reported 5 or more suspected measles cases in week 50. Measles cases continue to appear despite the recent mass vaccination campaign (**Figure 4**).

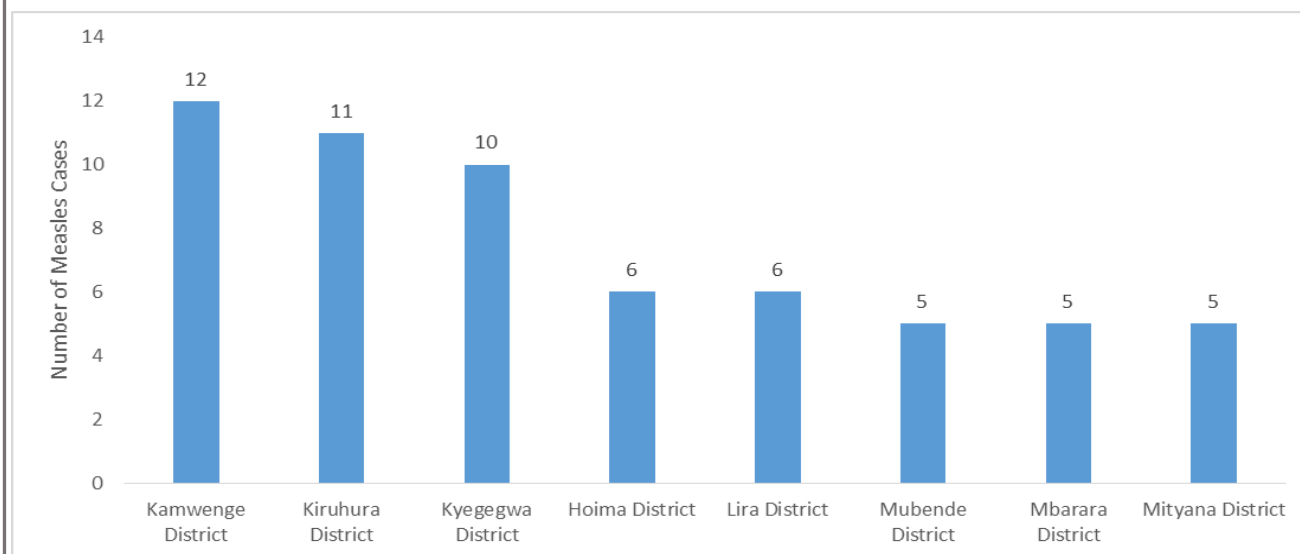


Figure 4: Districts reporting 5 or more cases of measles in week 50, 2015

Maternal and perinatal deaths: A total of 7 maternal deaths were reported from 7 health facilities (**Table 2**). This indicates a small decrease in the number of deaths as compared to 8 deaths in week 49. All facilities that reported deaths in week 49 have submitted the maternal audit forms, which are used to investigate the causes of death and in respective control interventions.

Table 2: Reported maternal deaths in week 50

Region	District	Subcounty	Health Facility	Maternal Deaths
Northern	Arua	Arua Hill Division	Arua REGIONAL REF HOSPITAL	1
Central	Wakiso	Katabi Subcounty	Kisubi HOSPITAL	1
Northern	Maracha	Oluvu Subcounty	Oluvu HC III	1
Northern	Gulu	Bar-dege Division	St. Mary's Hospital Lacor	1
Western	Kyenjojo	Bufunjo Subcounty	Bufunjo HC III	1
Western	Bushenyi	Ishaka Division	Ishaka Adventist HOSPITAL	1
Western	Masindi	Masindi Central Division	Masindi HOSPITAL	1

Influenza in humans: Two of the 18 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 A (H1N1) and Influenza B.

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Summary table for epidemiological reports received for week 50 (7 - 13th Dec 2015)

(Numbers in brackets indicate deaths)

District	% HU reporting	Malaria	Dysentery	AFP	Animal Bites	Bacterial Meningitis	Cholera	Guinea Worm	Measles	NNT	Plague	Typhoid Fever
Abim	65	253	16	0	0	0	0	0	0	0	0	0
Adjumani	86	3,703	31	0	0	0	0	0	0	0	0	0
Agago	77	1,559	23	0	0	0	0	0	0	0	0	3
Alebtong	89	376	4	0	1	0	0	0	0	0	0	0
Amolatar	85	261	2	0	0	0	0	0	0	0	0	1
Amudat	100	180	13	0	0	0	0	0	0	0	0	6
Amuria	62	2,063	0	0	5	0	0	0	0	0	0	2
Amuru	81	3,025	5	0	0	0	0	0	0	0	0	0
Apac	65	1,803	0	0	0	0	0	0	0	0	0	0
Arua	77	4185(2)	23	0	9	0	0	0	0	0	0	19
Budaka	100	962	3	0	1	0	0	0	0	0	0	5
Bududa	87	551(1)	2	0	6	0	0	0	0	0	0	10
Bugiri	70	1,530	9	0	0	0	0	0	0	0	0	7
Buhweju	82	136	0	0	0	0	0	0	0	0	0	0
Buikwe	68	1,688	4	0	4	0	0	0	1	0	0	44
Bukedea	69	634	3	0	0	0	0	0	0	0	0	16
Bukomansimbi	71	489	0	0	0	0	0	0	0	0	0	1
Bukwo	94	521	17	0	5	0	0	0	0	0	0	12
Bulambuli	74	716	0	0	0	0	0	0	0	0	0	0
Buliisa	100	849	1	0	1	0	0	0	0	0	0	18
Bundibugyo	90	1926(1)	17	0	0	0	0	0	0	0	0	19
Bushenyi	77	1059(2)	1	0	0	1	0	0	1	0	0	26
Busia	79	1,217	0	0	1	0	34	0	0	0	0	13
Butaleja	71	1,014	4	0	0	0	0	0	0	0	0	9
Butambala	61	418	0	0	0	0	0	0	0	0	0	1
Buvuma	18	76	0	0	0	0	0	0	0	0	0	0
Buyende	82	1,302	5	0	0	0	0	0	1	0	0	0
Dokolo	94	773	3	0	0	0	0	0	0	0	0	1
Gomba	74	510	1	0	0	0	0	0	1	0	0	0
Gulu	86	8,428	44	0	4	1	0	0	1	0	0	81
Hoima	47	1,601	31	0	8	0	0	0	6	0	0	27
Ibanda	52	1,594	0	0	4	0	0	0	0	0	0	2
Iganga	55	2694(3)	0	0	12	0	0	0	0	0	0	12
Isingiro	76	3,106	2	0	2	0	0	0	0	0	0	12
Jinja	36	2,037	10	0	2	0	0	0	0	0	0	11
Kaabong	82	1,022	15	0	9	0	0	1	0	0	0	5
Kabale	76	634(3)	0		11	0	0	0	0	0	0	0
Kabarole	48	1165(1)	8	0	2	0	0	0	0	0	0	7
Kaberamaido	84	792	3	1	3	0	0	0	0	0	0	1
Kalangala	71	112	5	0	0	0	0	0	1	0	0	3
Kaliro	52	1,091	0	0	0	0	0	0	0	0	0	0
Kalungu	35	123	0		0	0	0	0	0	0	0	1

Kampala	19	1,361	14	0	32	0	0	0	3	0	0	91
Kamuli	34	1,861	0	0	1	0	0	0	0	0	0	1
Kamwenge	67	3,121	11	0	4	0	0	0	12	0	0	3
Kanungu	56	715	3	0	1	0	0	0	0	0	0	21
Kapchorwa	85	430	3	0	0	0	0	0	0	0	0	0
Kasese	77	4,266	26	0	6	0	0	0	0	0	0	9
Katakwi	65	1,769	2	0	0	0	0	0	0	0	0	1
Kayunga	54	1,385	5	1	4	0	0	0	0	0	0	4
Kibaale	68	2430(2)	11	0	6	1(1)	0	0	3	0	0	138
Kiboga	57	362	1	0	1	0	0	0	1	0	0	12
Kibuku	73	251	4	0	0	1	0	0	0	0	0	0
Kiruhura	79	2,348	2	1	2	0	0	0	11	0	0	15
Kiryandongo	69	1,483	3	0	2	0	0	0	0	0	0	2
Kisoro	74	165	1	0	0	0	0	0	1	0	0	1
Kitgum	61	2,112	33	0	6	0	0	0	0	0	0	14
Koboko	100	1,927	2	0	6	0	0	0	0	0	0	3
Kole	91	1,555	0	0	2	0	0	0	0	0	0	0
Kotido	37	427	28	0	0	0	0	0	0	0	0	54
Kumi	59	649	1	0	0	0	0	0	0	0	0	12
Kween	67	319	9	0	0	0	0	0	0	0	0	0
Kyankwanzi	88	1,250	4	0	0	0	0	0	0	0	0	11
Kyegegwa	87	2,188	1	0	1	0	0	0	10	0	0	5
Kyenjojo	47	1,136	4	0	2	0	0	0	4	0	0	4
Lamwo	86	4719(1)	2	0	0	0	0	0	0	0	0	0
Lira	91	1,917	7	0	4	0	0	0	6	0	0	23
Luuka	48	1,071	0	0	0	0	0	0	0	0	0	0
Luwero	64	1,235	2	0	2	0	0	0	2	0	0	11
Lwengo	48	927	5	0	1	0	0	0	0	0	0	44
Lyantonde	27	682	4	0	1	0	0	0	4	0	0	29
Manafwa	75	970(1)	9	0	0	0	0	0	0	0	0	12
Maracha	100	1,947	8	0	3	0	0	0	0	0	0	20
Masaka	31	733	3	0	0	0	0	0	0	0	0	6
Masindi	63	1,199	7	0	6	0	0	0	0	0	0	0
Mayuge	59	1,885	5	0	1	0	0	0	0	0	0	2
Mbale	64	1849(1)	6	1	4	0	3	0	0	0	0	10
Mbarara	78	1,436	14	0	11	2	0	0	5	0	0	26
Mitooma	50	822	1	0	2	0	0	0	0	0	0	2
Mityana	53	1,623	3	0	6	0	0	0	5	0	0	6
Moroto	20	297	9	0	1	0	0	0	0	0	0	1
Moyo	100	4,252	25	0	0	0	0	0	0	0	0	42
Mpigi	88	972	3	0	0	0	0	0	1	0	0	24
Mubende	55	3268(1)	7	0	4	1	0	0	5	0	0	116
Mukono	61	1,262	9	0	2	0	0	0	0	0	0	6
Nakapiripirit	82	1,077	23	0	5	0	0	0	0	0	0	12
Nakaseke	63	852	10	0	3	0	0	0	4	0	0	17
Nakasongola	60	436	3	0	1	0	0	0	0	0	0	0
Namayingo	69	1,580	4	0	2	0	0	0	0	0	0	2
Namutumba	74	1,344	4	0	0	0	0	0	0	0	0	3
Napak	79	973	23	0	5	0	0	0	0	0	0	1

Nebbi	98	4790(3)	30	0	3	0	0	0	0	0	0	12
Ngora	75	960	0	0	1	0	0	0	0	0	0	1
Ntoroko	56	97	0	0	0	0	0	0	0	0	0	0
Ntungamo	46	1,528	1	0	6	0	0	0	0	0	0	12
Nwoya	78	1,165	1	0	0	0	0	0	0	0	0	0
Otuke	73	385	2	0	1	0	0	0	2	0	0	3
Oyam	58	3,017	3	0	14	0	0	0	0	0	0	1
Pader	36	1,243	23	0	1	0	0	0	0	0	0	1
Pallisa	61	1168(1)	1	0	0	0	0	0	0	0	0	14
Rakai	54	3,664	12	0	2	0	0	0	2	0	0	25
Rubirizi	58	598	0	0	0	0	0	0	0	0	0	8
Rukungiri	49	764	1	0	1	0	0	0	0	0	0	3
Sembabule	71	1,551	2	0	2	0	0	0	0	0	0	70
Serere	91	1,502	1	0	1	1(1)	0	0	0	0	0	0
Sheema	74	995	0	0	10	0	0	0	0	0	0	2
Sironko	63	1,608	4	0	0	0	0	0	0	0	0	0
Soroti	64	3037(1)	10	0	10	0	0	0	2	0	0	21
Tororo	78	1,000	3	0	1	0	0	0	2	0	0	5
Wakiso	38	2,662	17	0	1	0	0	0	4	0	0	54
Yumbe	100	3797(2)	11	1	3	0	0	0	0	0	0	14
Zombo	95	781	14	0	1	0	0	0	0	0	0	2
National	68.3	167328 (26)	805 (0)	4 (0)	288 (0)	4 (1)	39 (0)	0 (0)	101 (0)	1 (0)	0 (0)	1298 (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