MINISTRY OF HEALTH

THE WEEKLY EPIDEMIOLOGICAL BULLETIN

WEEK 52: 23rd-29th Dec 2019

Dear Reader,

We are pleased to share our final 52nd weekly epidemiological bulletin for the year 2019.

This weekly epidemiological bulletin serves to inform all stakeholders at district, national, and global levels on disease trends, public health surveillance and interventions undertaken in detecting, preventing and responding to public health events in the country on a weekly basis.

In this issue, we bring you the following among others

- Average national weekly surveillance reporting rate was at 62.1% completeness and 45.4% for timeliness

- Reporting rates for completeness and timeliness per district.

- Ongoing public health events (page 1)

- Annual reporting rates (completeness and timeliness) per districts (***Annex II)***

- ***For comments please contact: Dr. Allan Muruta, Commissioner, Department of Integrated Epidemiology, Surveillance and Public Health Emergencies - MoH; P.O BOX 7272 Kampala, Tel: 080010066 (toll free); Email: esd@health.go.ug or esduganda22@gmail.com***

Current public health threats

EVD

- EVD preparedness activities in high risk districts are intensified

Malaria outbreak

- For affected districts, refer to map on page 3

RVF outbreak in Ntoroko District

- One fatal case reported in Ntoroko District.

- Several abortions in Animals are reported

- Field investigations are ongoing

CCHF in Kabarole

- One confirmed case reported in Fort Portal

Suspect Rabies in Hoima District

- One fatal case reported in Hoima District

Refer to page 3

Reporting Rates

All regions have not attained the national target for timeliness and completeness of report

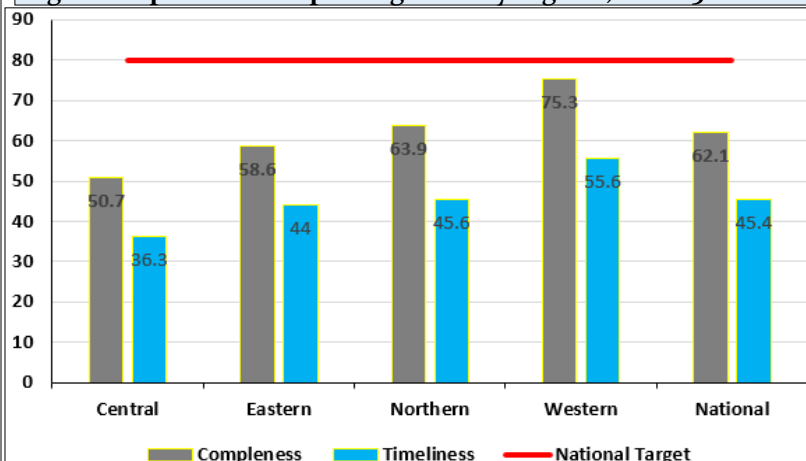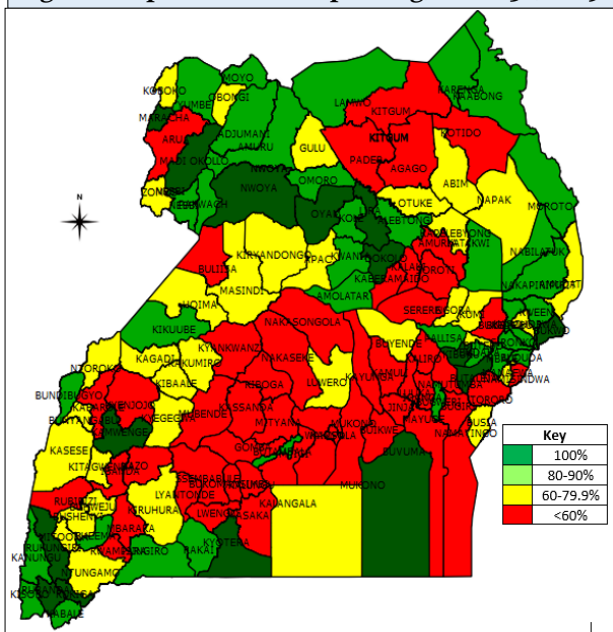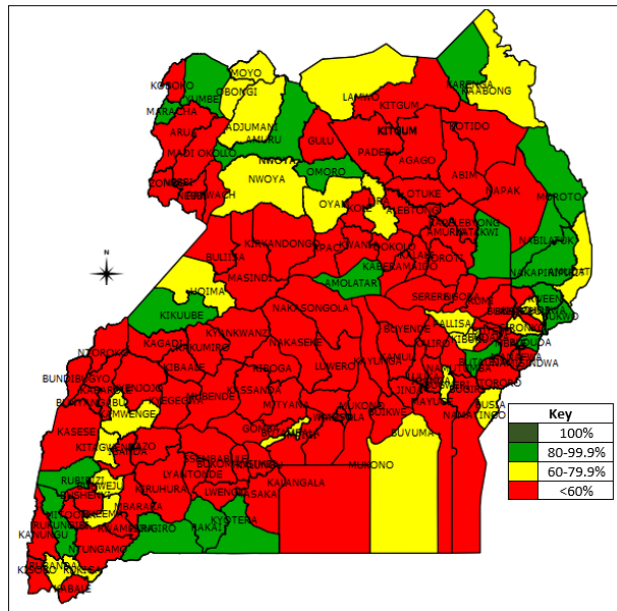#### Fig 1: Comparison of reporting rates by region., week 52

Fig 2: Completeness of reporting, week 52, 2019

Data source: DHIS2

Key	
100%	
80-99.9%	
60-79.9%	
<60%	

Data source: DHIS2

Priority diseases

The data shows high number of typhoid, measles, Malaria, dysentery, SARI and animal bites in different parts of the country.

Table 1: Case Fatality Rate of Priority Diseases, week 51

Conditions	Cases	Deaths	CFR
AFP	1	0	0.0
AEFIs	0	0	0.0
Animal bites	120	0	0.0
Bacterial Meningitis	2	0	0.0
Cholera	0	0	0.0
Dysentery	135	0	0.0
Guinea Worm	0	0	0.0
Malaria	15758	30	0.2
Presumptive MDR-TB	4	0	0.0
Measles	44	0	0.0
NNT	0	1	100
Plague	0	0	0.0
Other VHFs	0	0	0.0
SARI	127	0	0.0
Typhoid fever	723	0	0.0
Yellow Fever	0	0	0.0

Data source: DHIS

Severe Acute Respiratory Infction (SARI), Viral Haemorrhagic Fevers (VHF),
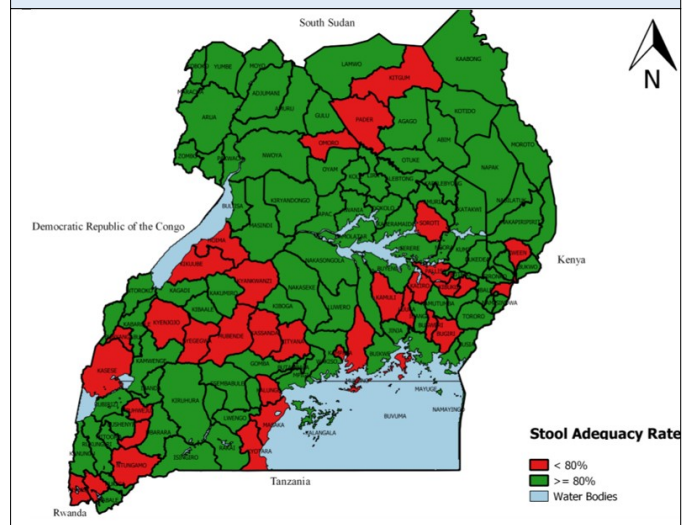
Measles:

- 116 district have investigated at least one suspected measles

- 12 out of 128 (9.4%) district are still silent District. These include; Apac, Budaka, Bugweri, Butebo, Buvuma, Iganga, Kwania, Kapelebyong, Kassanda, Mayuge, Mbale and Pallisa

AFP:

- 13 AFP cases were investigated during week 51 from, Bugweri (1), Bundibugyo (1), Butaleja (1), Isingiro (1), Kaperebyong (1), Kibuku(2), Kole (1), Maracha (2), Nwoya (1) Tororo (1) and Wakiso (1).
- The Non polio AFP rate is 2.85 compared to 3.34 per 100,000 population of children 0-14 years.
- The stool adequacy rate is 90.6% compared to 90.1% in 2018

Fig 4: Stool adequacy rate by District, week 51

Stool Adequacy Rate
- < 80%
- >= 80%
- Water Bodies

Data source: EPI lab

Maternal and Perinatal deaths:

There were 19 maternal deaths and 168perinatal deaths in week 52 as summarised in table 2.

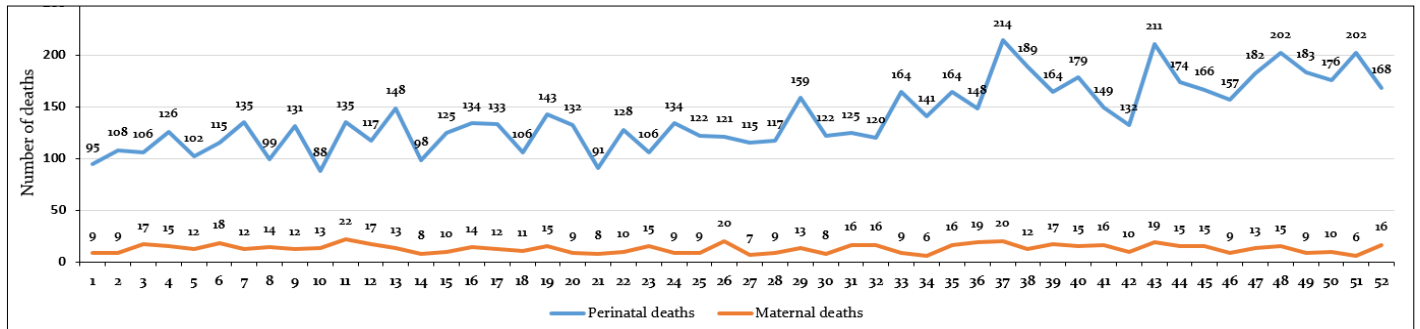**Table 2: Distribution of maternal deaths (n=19) and perinatal deaths (n=168) , week 52**

District	Healthy facility that reported Maternal deaths	No. of maternal deaths	Perinatal deaths district top 10
Kampala	Kawempe	2	62
Masaka	Masaka RRH	2	6
Tororo	Tororo Gen Hosp.	2	2
Oyam	Aber Hospital	2	2
Zombo	Nyapea Hosp	2	0
Busia	Dabani Hosp	1	2
Iganga	Iganga Hosp	1	2
Kumi	Kumi NGO Hosp	1	0
Lira	Lira RRH	1	5
Bushenyi	Ishaka Adventist	1	6
Hoima	Hoima RRH	1	5
Kabarole	FortPortal RRH	1	2
Masindi	Masindi Hosp	1	0
Ntungamo	Itojo Hospital	1	0
Mubende	Mubende RRH	0	12
Kagadi		0	4
Kamwenge		0	5
Gulu		0	12
Other Districts		0	46

Trends of Maternal and Perinatal deaths

- By week 52, a cumulative number of 659 maternal deaths and 7301 perinatal deaths were registered

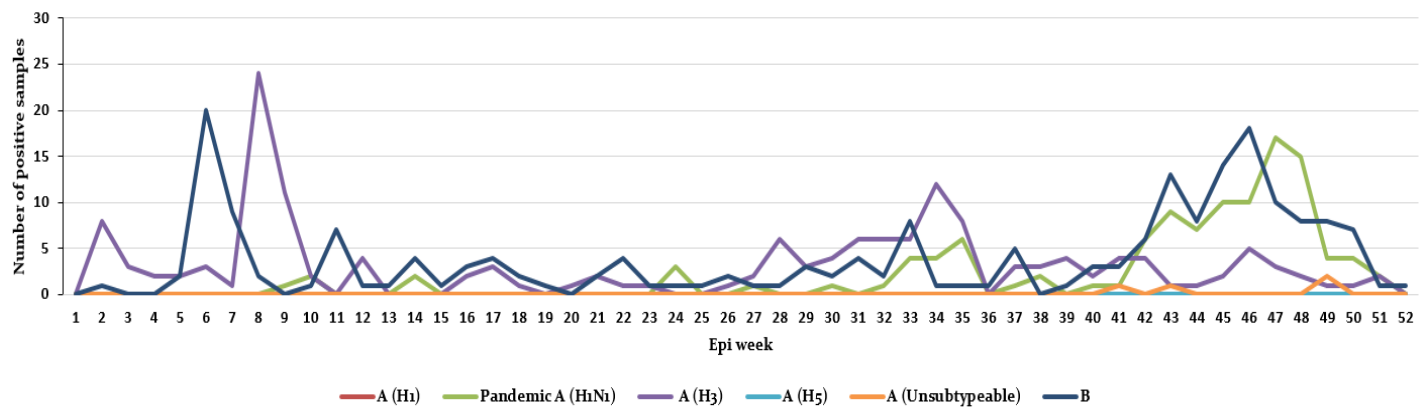**Fig 5: Trends of maternal and neonatal deaths, week 1-week 52**

Data source: DHIS2
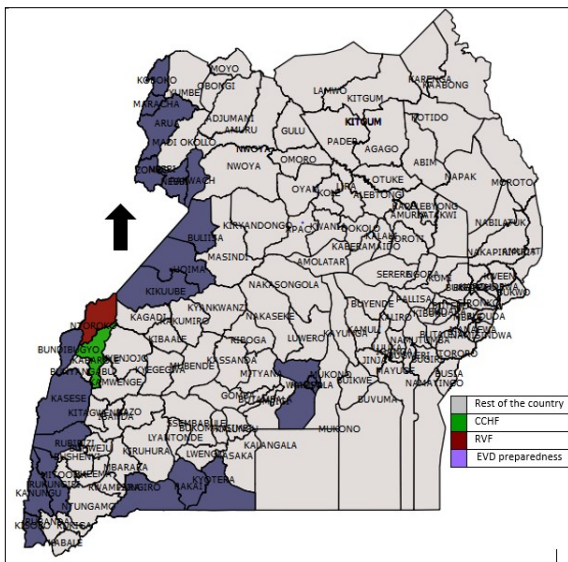
Human Influenza surveillance

During week 52, a total of 31 specimens were received from three sentinel surveillance sites, 3 sentinel sites including; Jinja (5), Mulago (16) and Gulu (10) Referral Hospitals. Of the specimens collected, 1 were confirmed positive for; A-(H1N1) (0), A(H3) (0), A (unsubtypeable)(0), A(0) and B (1) subtypes. Since the year begun, 480 specimens were confirmed positive for various strains including; A-(H1N1)(114), A(H3) (163), A(4), B (200) A-H5(4) and A (H1) (0) as shown in figure 5

Figure 6: Trends of human influenza subtypes, week 1-52, 2019 (n=481)
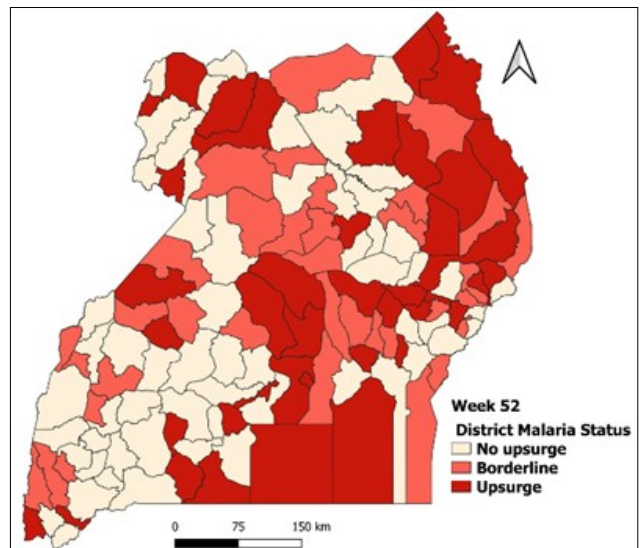

Data source: Makerere University Walter Reed Project

Fig 6: Public Health Events, as of week 52

Data source: EVD preparedness plan

Fig 7: Districts that reported animal bites, week 52

Data source: DHIS2

Public Health Events in bordering countries

All countries surrounding Uganda are experiencing major public health as shown in table 4. In addition DRC and South Sudan are experiencing armed conflict and flooding humanitarian crises.

Table 3: Public health events across the countries bordering Uganda, as of 5th Jan 2020
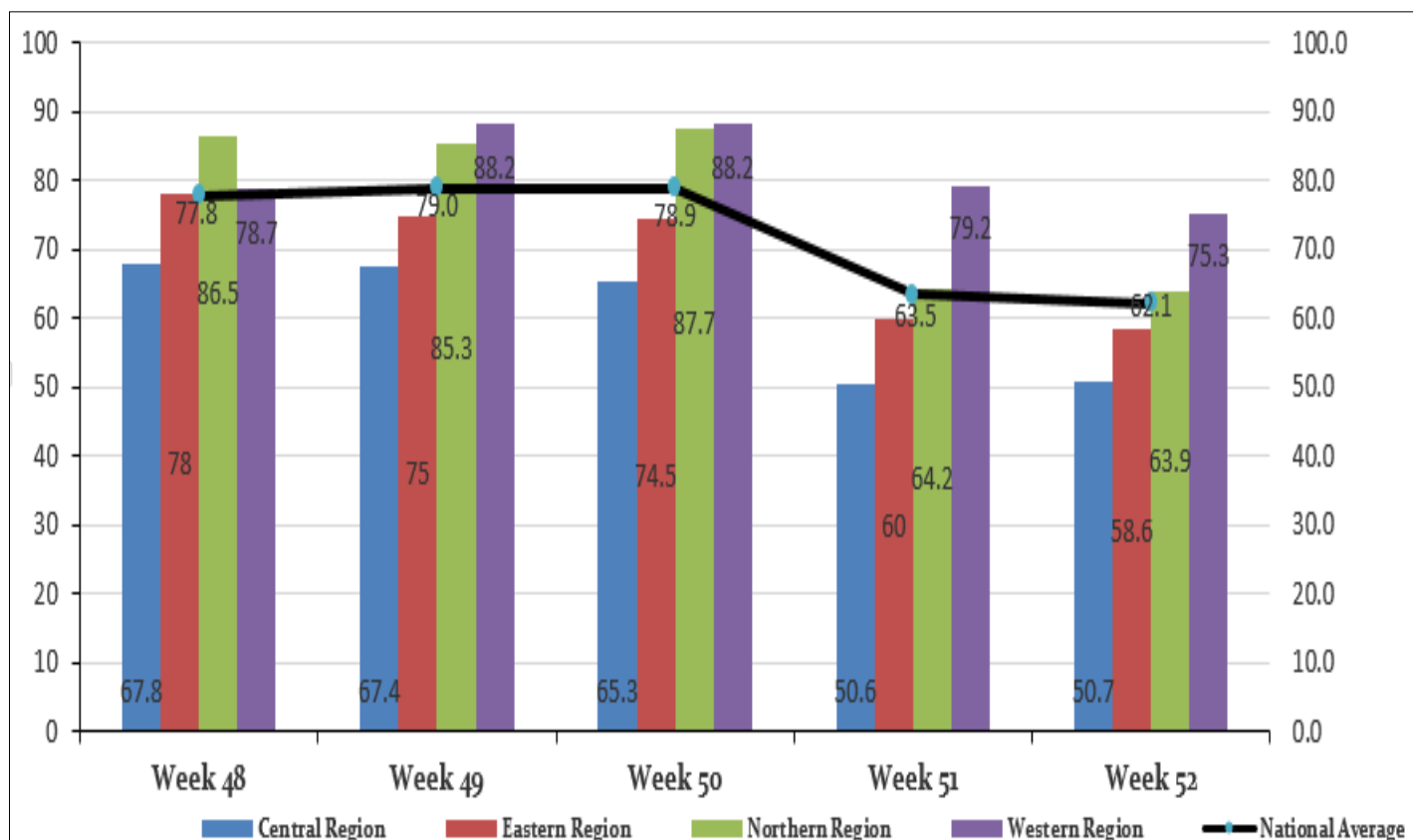
Country	Condition	No. of cases	No. of deaths	Grading
S. Sudan	Measles	3963	23	Ungraded
	Hepatitis E	125	2	Ungraded
DRC	EVD	3388	2233	G3
	Poliomylites (cVDPV2)	84	0	G2
	Measles	299586	6304	G2
	Monkey pox	5060	103	N/A
	Cholera	28502	496	G3
	Plague	50	8	Ungraded
Rwanda	-	-	-	Closed
Kenya	Cholera	5052	39	Ungraded
	Measles	17	1	Ungraded
	Leishmaniasis	2879	34	Ungraded
Tanzania	-	-	-	No update

Source: WHO EPI Bulletin

Acknowledgement and Recommendations

- The Division of surveillance Information Knowledge Management acknowledges the work well done by partners and districts across the country.

- This year we noted persistent poor reporting rates especially in central and western (Busoga region) regions. National focal points should prioritize such districts for Supportive supervision, mentorship and to address this challenge

- Implementing Partners supporting surveillance activities in different districts across the country are requested to address challenges surveillance data quality issues arising from their respective districts.

- UNEPI reminds and encourages all the districts to carry out active search for AFP, NNT, EAFI and measles cases in their health facilities and communities so as to increase the chances of detecting, reporting and investigating of these cases.

- A maternal deaths and perinatal deaths audits should be conducted to address issues surround excessive deaths of mothers and newborns especially for Kampala region.

- As we close the year, all districts are urged to put measures to improve the surveillance system to be able to timely detect and prevent public health emergencies

Annex I: Trends of weekly reporting rates per region over the past five weeks , Epi week 52, 2019

Data source: DHIS2

Annex II: Average annual reporting rates (completeness and Timelines) of all District

No.	District	%Complete	% on Time	No	District	%Complete	% on Time	No.	District	%Complete	% on Time
1	Yumbe	128	106	46	Buyende	88	71	91	Kiruhura	74	44
2	Kibuku	101	74	47	Bugweri	88	69	92	Bushenyi	74	53
3	Rubanda	99	46	48	Sheema	87	66	93	Kalungu	73	45
4	Maracha	95	69	49	Adjumani	87	58	94	Luwero	73	53
5	Omoro	95	40	50	Kabale	86	36	95	Ntungamo	72	52
6	Rubirizi	95	61	51	Nakapiripirit	86	75	96	Kayunga	72	50
7	Kyotera	95	69	52	Kamwenge	86	55	97	Gulu	72	33
8	Amolatar	95	69	53	Hoima	85	66	98	Kalaki	72	42
9	Dokolo	95	57	54	Bulambuli	85	64	99	Nakaseke	72	57
10	Butaleja	94	76	55	Kanungu	85	49	100	Soroti	71	45
11	Lira	94	47	56	Kisoro	85	56	101	Mbarara	71	48
12	Koboko	94	36	57	Sironko	85	64	102	Kyankwanzi	71	31
13	Nwoya	94	57	58	Kibaale	84	31	103	Kampala	71	45
14	Isingiro	94	77	59	Zombo	84	66	104	Masaka	71	36
15	Bukwo	94	76	60	Namisindwa	84	46	105	Kaliro	69	36
16	Budaka	93	55	61	Apac	83	34	106	Bukedea	69	58
17	Butambala	93	65	62	Busia	83	68	107	Kumi	69	56
18	Madi-Okollo	93	35	63	Mpigi	83	32	108	Napak	69	58
19	Rakai	93	76	64	Arua	83	33	109	Rwampara	68	40
20	Rukiga	93	57	65	Kakumiro	83	42	110	Ngora	68	45
21	Pakwach	92	50	66	Moroto	82	67	111	Mubende	67	41
22	Bunyangabu	92	81	67	Buliisa	82	57	112	Bukomansimbi	67	36
23	Nebbi	92	53	68	Kabarole	82	32	113	Kiryandongo	67	49
24	Mbale	92	64	69	Buvuma	82	50	114	Ibanda	66	38
25	Rukungiri	92	75	70	Kapelebyong	81	51	115	Pader	66	39
26	Lamwo	92	56	71	Katakwi	81	76	116	Buikwe	66	34
27	Kaabong	91	76	72	Amuria	81	36	117	Mitooma	65	34
28	Amudat	91	66	73	Kasese	81	43	118	Mukono	65	33
29	Bududa	91	71	74	Luuka	81	56	119	Karenga	64	53
30	Amuru	91	66	75	Namutumba	80	43	120	Tororo	63	46
31	Pallisa	91	72	76	Kagadi	80	35	121	Agago	63	41
32	Bundibugyo	91	50	77	Ntoroko	80	46	122	Kassanda	62	38
33	Kole	91	50	78	Kyenjojo	79	52	123	Bugiri	60	35
34	Oyam	90	61	79	Lyantonde	78	51	124	Mayuge	60	37
35	Sembabule	90	34	80	Kitagwenda	78	44	125	Kitgum	59	30
36	Obongi	89	60	81	Lwengo	77	39	126	Mityana	59	25
37	Buhweju	89	61	82	Kyegegwa	77	35	127	Kaberamaido	59	37
38	Manafwa	89	49	83	Kapchorwa	76	68	128	Nakasongola	58	48
39	Kween	89	63	84	Serere	76	38	129	Kiboga	58	39
40	Otuke	89	49	85	Kalangala	76	63	130	Kotido	57	28
41	Moyo	88	60	86	Namayingo	76	51	131	Abim	55	53
42	Kwania	88	45	87	Kazo	75	45	132	Kamuli	54	32
43	Alebtong	88	31	88	Butebo	75	23	133	Wakiso	54	36
44	Nabilatuk	88	68	89	Gomba	75	51	134	Jinja	52	42
45	Kikuube	88	71	90	Masindi	75	44	135	Iganga	45	33

KEY		
Above the target	**Yellow bellow the target**	**Below the target**
Excellent Reporting	**Fair reporting**	**Poor reporting**

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Remember, your feedback is important to us. We wish you a happy new year