

WEEKLY EPIDEMIOLOGICAL BULLETIN

Week 48: 28 Nov-4 Dec 2022

Released on: 8th December 2022

PUBLIC HEALTH SURVEILLANCE & EMERGENCY PREPAREDNESS AND RESPONSE DIVISION

Editorial message

Effective and efficient Integrated Disease Surveillance and Response (IDSR) systems contribute to the reduction of morbidity, disability and mortality from disease outbreaks and health emergencies.

This weekly bulletin presents the epidemiological status of the diseases under surveillance in Rwanda. These data are useful to trigger a rapid response for rapid impact, actions and results oriented, a proactive preparedness, risk mitigation and prevention, intelligence, real-time information, and communication for decision making.

Editorial board

Surveillance Unit, Outbreak Preparedness and Response Unit, Food and Waterborne Diseases Unit, Avian Influenza and Highly Pathogenic Diseases Unit, One health Unit

Overview

This Weekly Bulletin focuses on diseases under surveillance in Rwanda. This week's articles cover:

- ☞ Reports completeness
- ☞ Reports timeliness
- ☞ Trend of weekly reportable diseases
- ☞ Distribution of Immediate reportable diseases
- ☞ COVID-19 situation
- ☞ Ebola situation
- ☞ Reported deaths
- ☞ Health facilities with no reports

Acknowledgement

The authors would like to thank Health facilities of Rwanda for providing the data used in this bulletin.

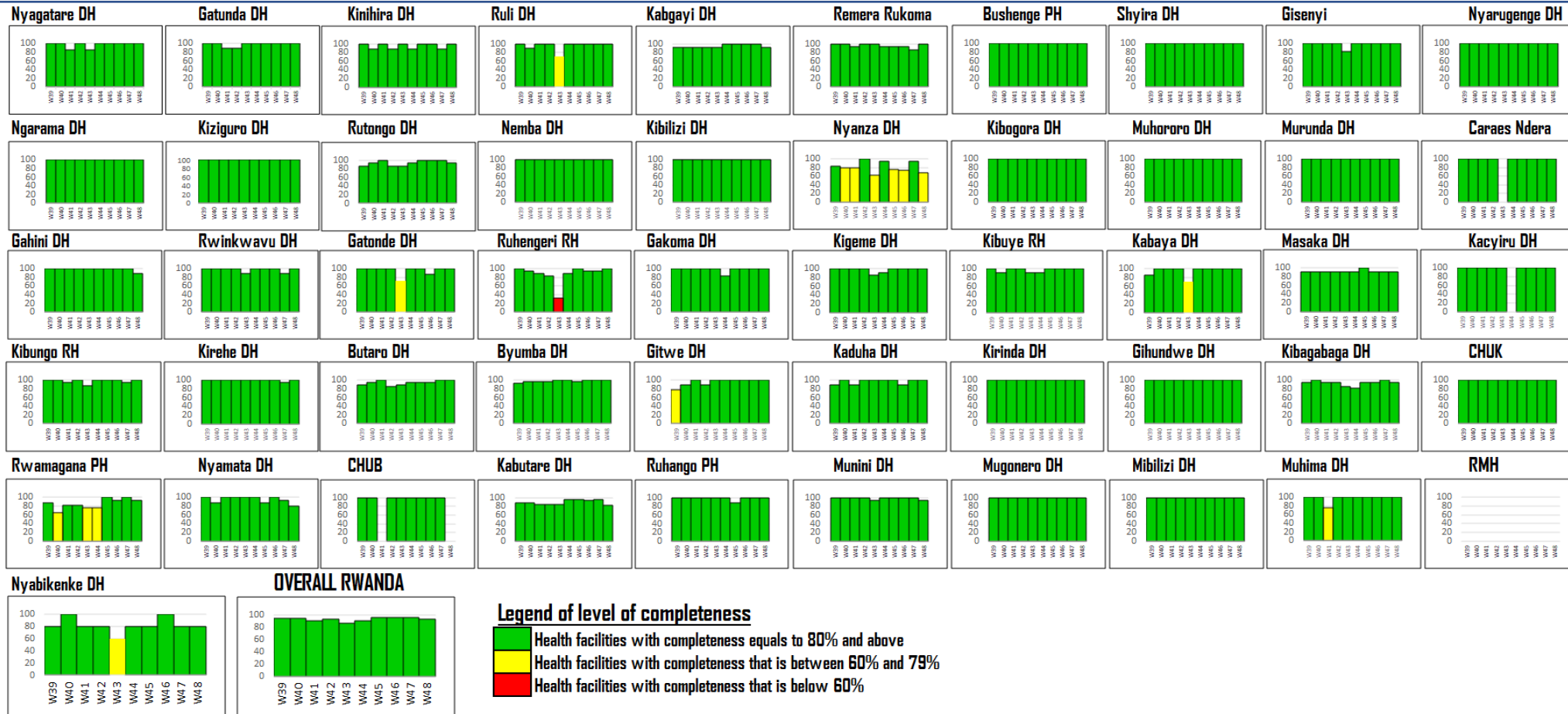
TREND OF IDSR REPORTS COMPLETENESS

(Previous 10 weeks: Wk39 – Wk48)

OVERALL

RWANDA

Completeness – Wk 48: 96%



Completeness is calculated as the proportion of received reports over expected reports by week in a catchment area

Observation: During this week 48, the overall IDSR reports completeness was 96%. However, Nyanza DH had a low completeness (between 60% and 79%), while Rwanda Military Hospital did not report. We recommend those hospitals to conduct the root cause analysis and set measures that will facilitate to report all required reports.

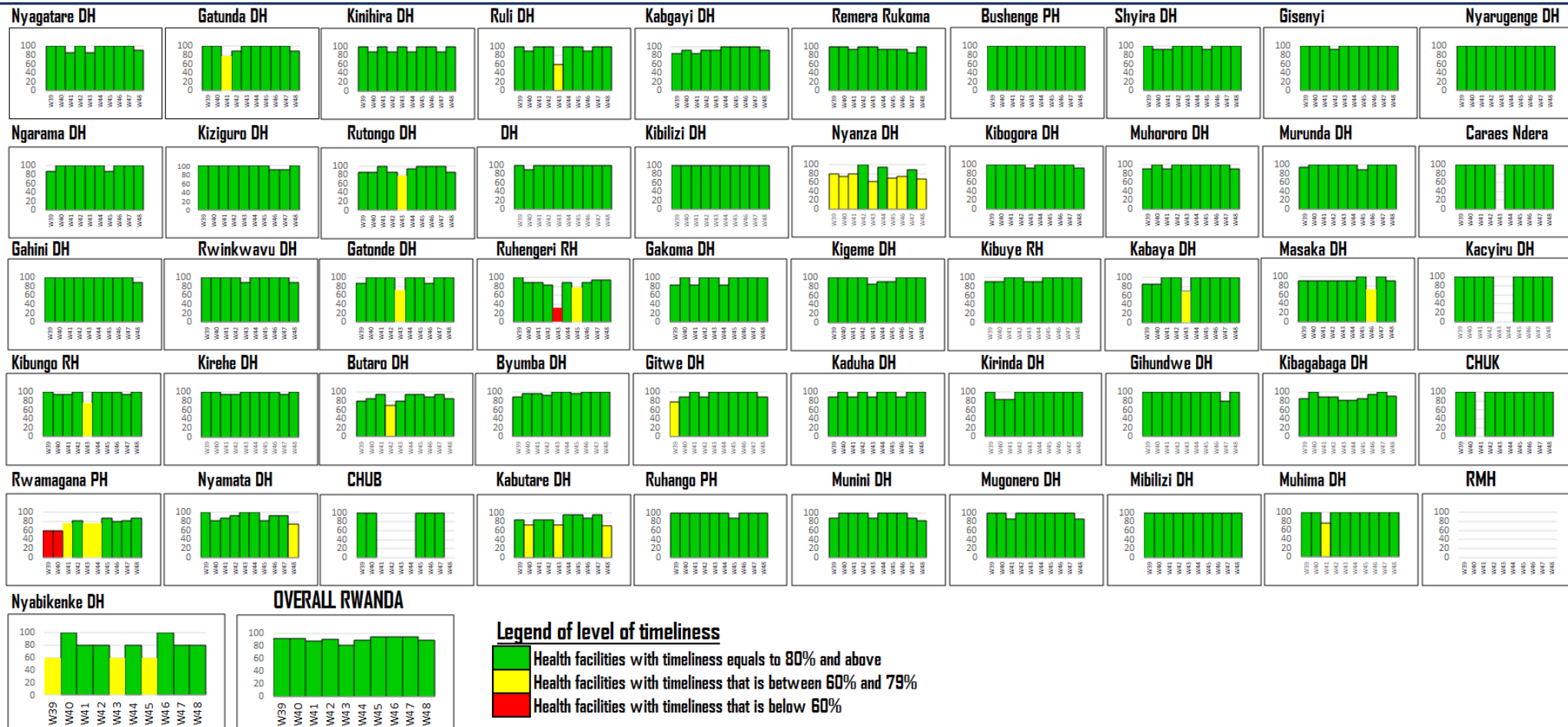
TREND OF IDSR REPORTS TIMELINESS

(Previous 10 weeks: Wk39 – Wk48)

OVERALL

RWANDA

Timeliness – Wk 48: 93%



Timeliness is calculated as the proportion of received reports on time over the expected reports by week in a catchment area

During this week 48, the overall IDSR reports timeliness was 93%. However, 3 hospitals indicated a low timeliness rate: between 60-79%: **Nyanza DH, Nyamata DH, Kabutare DH** while **Rwanda Military Hospital** did not report. We recommend these hospitals to conduct the root cause analysis and set measures that will facilitate to report all required reports on time (Monday before 12:00)

IDSR WEEKLY REPORTABLE DISEASES - 2022

Non-Bloody Diarrhea cases

Wk01 – Wk48: 230,478

Wk48: 3,176

Flu syndrome cases

Wk01 – Wk48: 751,898

Wk48: 14,111

Malaria cases

Wk01 – Wk48: 193,579

Wk48: 3,318

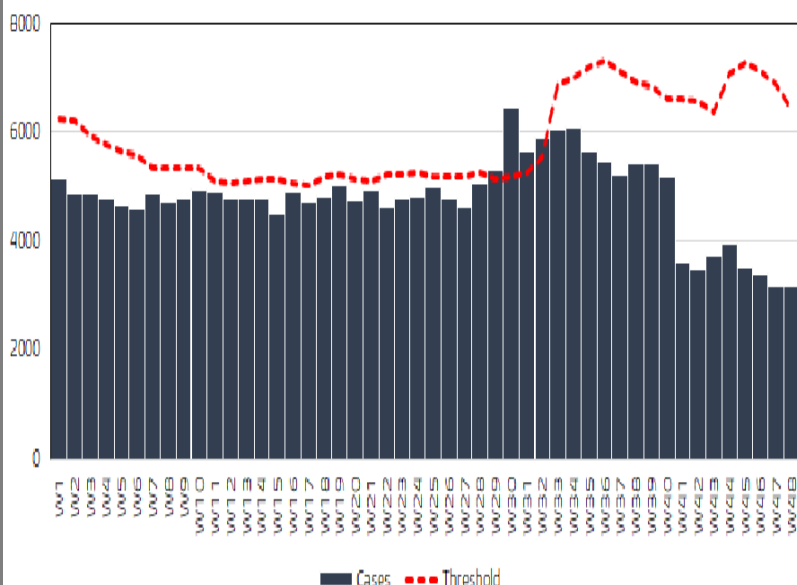
Severe Pneumonia cases

Wk01 – Wk48: 14,524

Wk48: 289

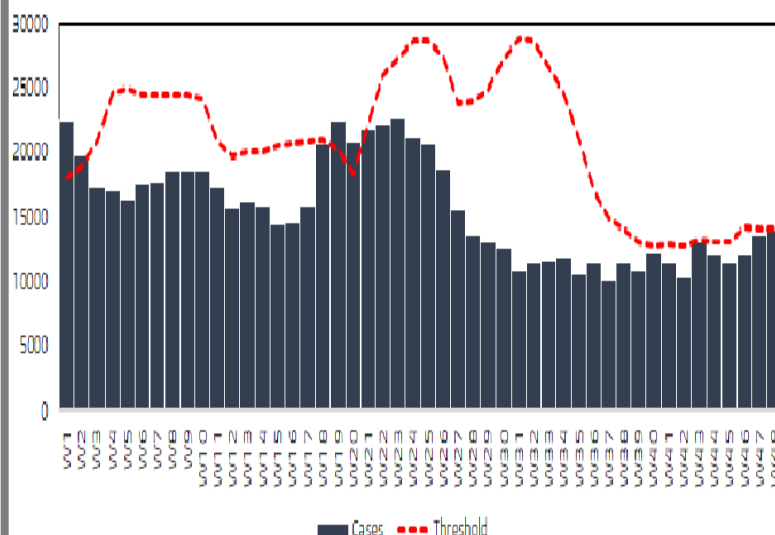
Trend of Non Bloody Diarrhea cases in Rwanda 2022

(Wk1 - Wk48)



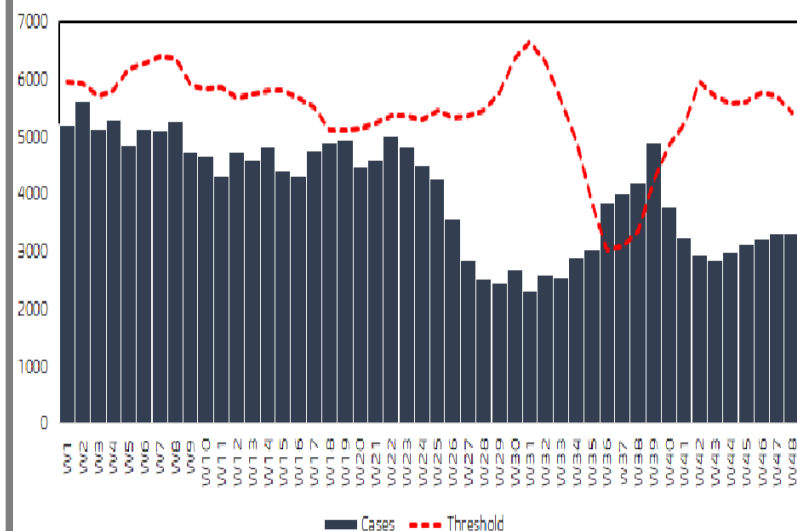
Trend of Flu syndrome cases in Rwanda 2022

(Wk1 - Wk48)



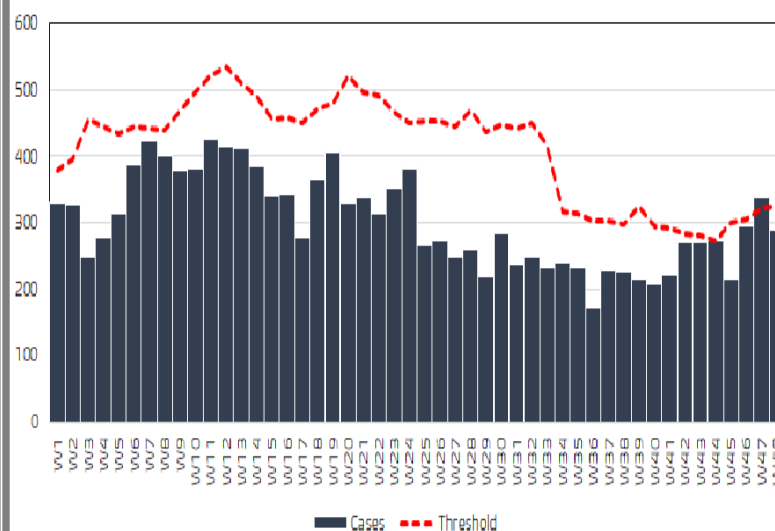
Trend of Malaria cases in Rwanda 2022

(Wk1 - Wk48)



Trend of Severe pneumonia cases in Rwanda 2022

(Wk1 - Wk48)



IDSR WEEKLY REPORTABLE DISEASES -Week 48

2022

Covid19 confirmed cases:

Wk 42-48:341
Wk 48: 48 cases

Rabies exposure (Dog or other mammals bite) cases:

Wk 42-48: 221
Wk 48: 19 cases

Brucellosis cases

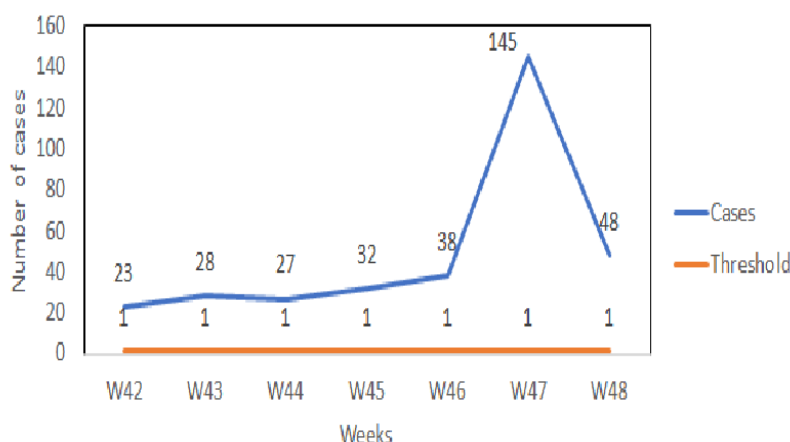
Wk 42-48:1 case

Wk 48:0 case

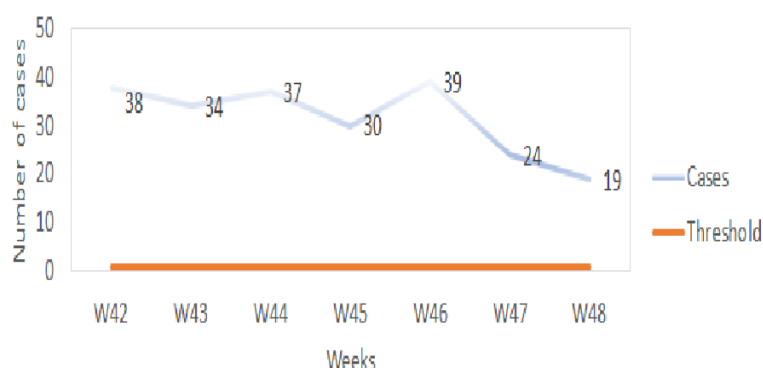
Other weekly reportable diseases:

Trypanosomiasis
no case

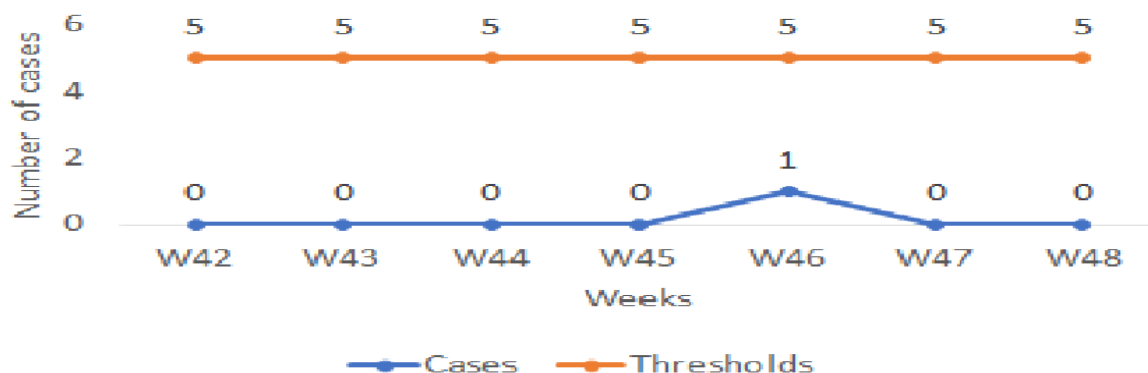
Covid19 confirmed cases in Rwanda 2022
(Wk 42-48)



Rabies exposure cases in Rwanda 2022
(Wk 42-48)



Trend of Brucellosis cases in Rwanda 2022
(Wk42 - Wk48)



From week 42, IDSR weekly report form revised and adapted on technical guideline 3rd edition was adapted also in DHIS-2, therefore many changes occurred.

In week 48, for 8 weekly reportable diseases, data analysis showed that Flu syndrome cases increased even if it did not cross a threshold, while other diseases decreased.

IDSR IMMEDIATE REPORTABLE DISEASES – Wk48

DH	HF's	Bloody Diarrhea (Shigellosis)	Measles	Typhoid Fever	Severe malaria
Nyarugenge	Biryogo CS	6	0	0	0
Byumba	Byumba DH	0	0	3	0
Muhima	Cor-unum CS	0	3	0	0
Kigeme	Cyanika (nyamagabe) CS	1	0	0	0
Kibungo	Gasetza CS	0	0	0	0
Butaro	Gatebe CS	2	0	0	0
	Gisagara CS	2	0	0	0
Kibilizi	Kibilizi DH	0	0	0	3
Gitwe	Karambi (ruhango) CS	0	1	0	0
Masaka	Masaka CS	0	1	0	0
Muhororo	Muhororo DH	1	0	0	0
Kigeme	Ngara CS	0	1	0	0
Remera Rukoma	Nyagihamba CS	0	1	0	0
	Ruhuha CS	0	1	0	0
Nyamata	Ntarama CS	0	0	0	1
Kinihira	Rukozo CS	0	4	0	0
Gakoma	Gakoma DH	0	0	0	1
Murunda DH	Murunda DH	0	0	0	2
Rutongo DH	Rutongo DH	0	0	0	1
	Total	12	12	3	8

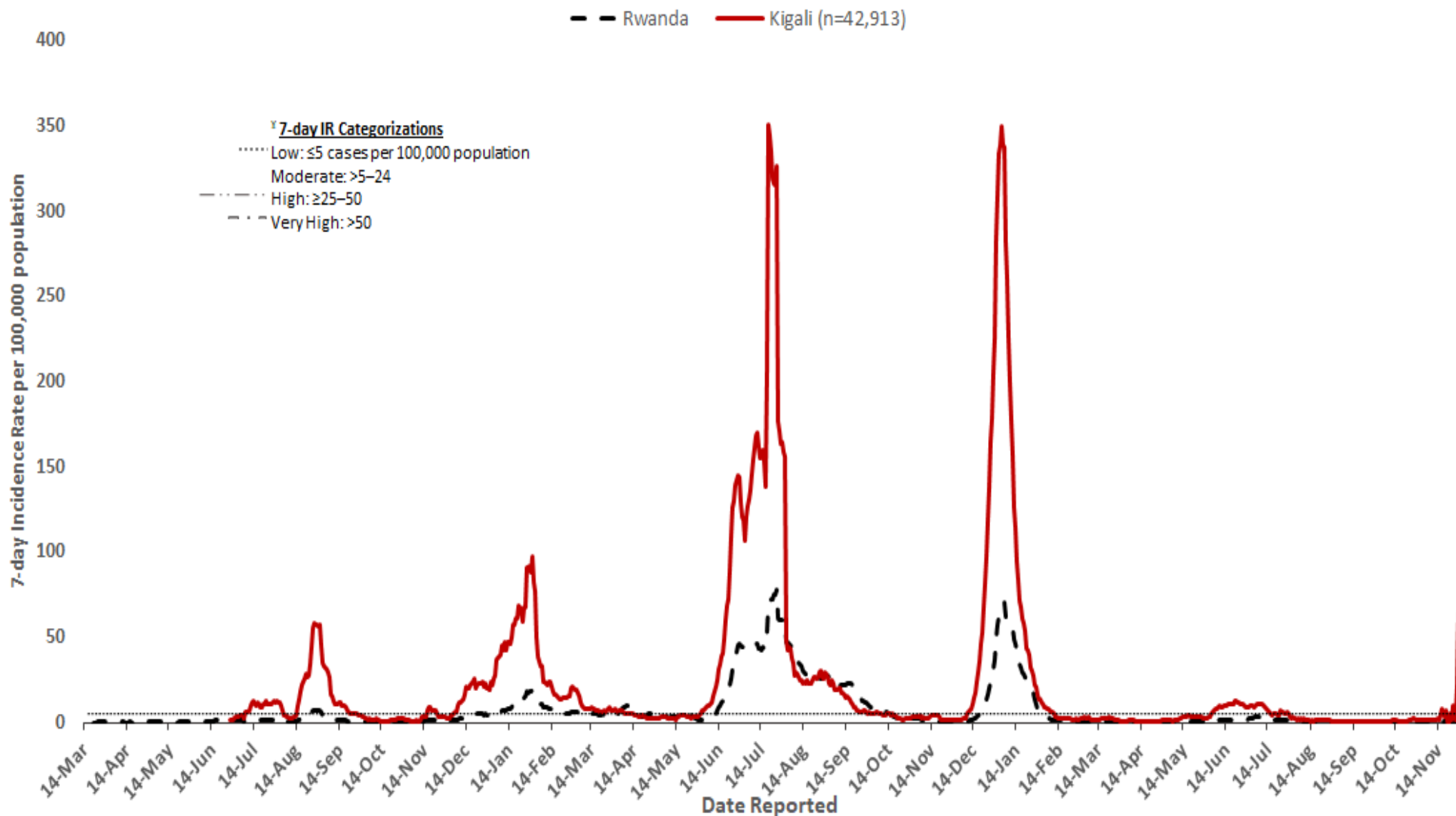
Alerts

Disease	Case	Alert threshold	Recommendations
AFP	3	1 case per week	Verify, investigate and reports as soon as possible
Severe malaria	8	1 case	Verify, investigate and reports as soon as possible

Observation: During the week 48, the reported IDSR immediate reportable diseases were Bloody diarrhea, Measles, Typhoid fever and severe malaria

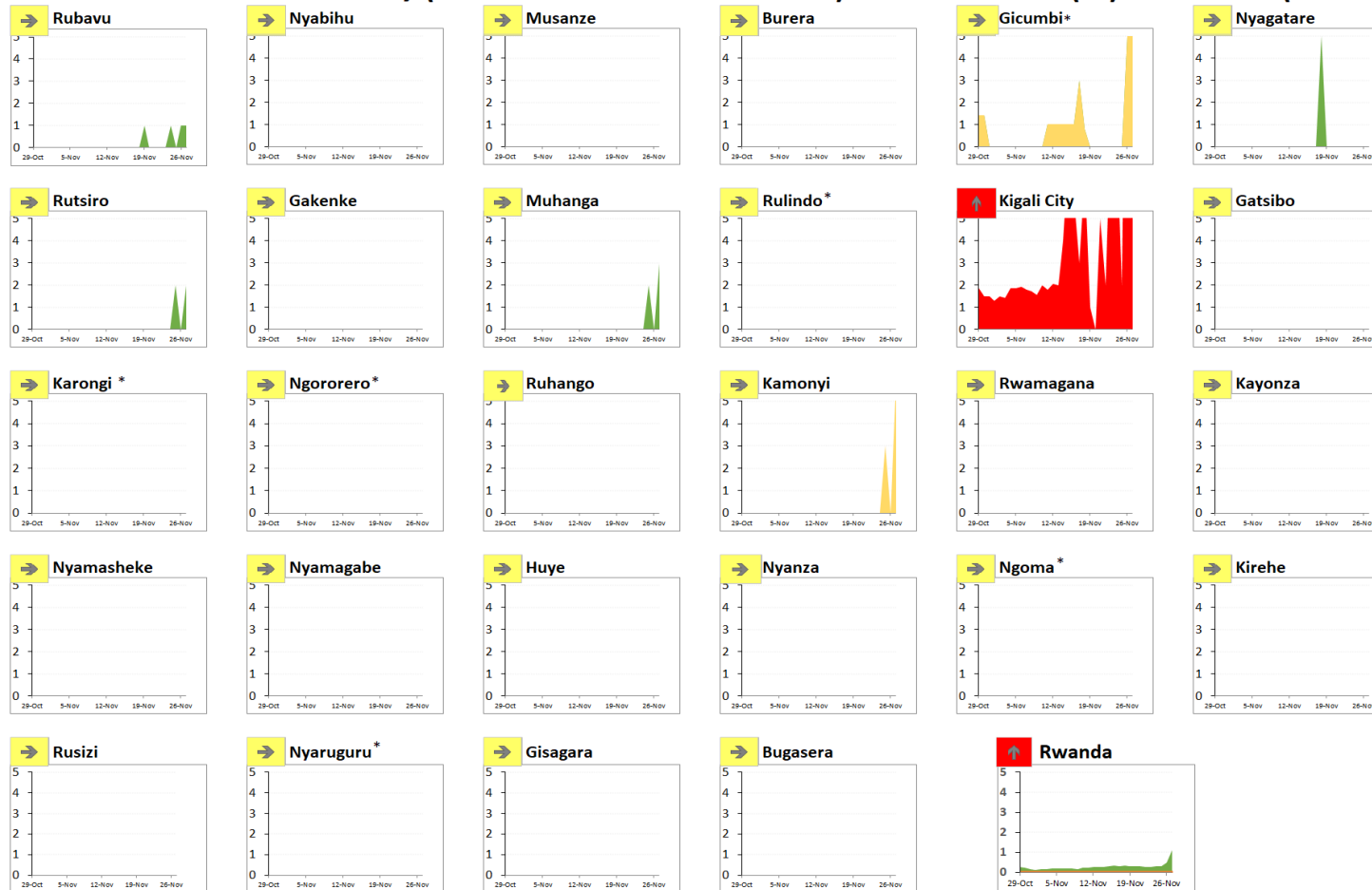
TREND OF 7-DAY INCIDENCE RATE OF COVID-19

COVID-19 Incidence Rate (IR) in Kigali City and Rwanda, March 14, 2020–November 27, 2022



TREND OF INCIDENCE RATE OF COVID-19 BY DISTRICTS

COVID-19 Cumulative 7-day (November 21–November 27) Incidence Rate (IR) and Trend (week-



		Distribution of Districts	
Incidence rate in the last 7 days per 100,000		No.	%
Low:			
≤5 cases		30	100%
Moderate:			
5–24 cases		0	0%
High:			
≥25–50 cases		0	0%
Very High:			
>50 cases		0	0%
Percentage change in cases in last 7 days vs previous 7 days			
Decrease:			
≤ -10% change	↓	5	17%
Stable:			
> -10% change and <10% change	→	25	83%
Increase:			
≥10% change	↑	0	0%

Observation: During the week 48, The overall incidence rate of Rwanda was 0.4 case per 100,000 population (it highly decreased compared with previous week: 1.1 cases per 100,000 population in week 47). Kigali City presented a very highest incidence rate (IR above 5 cases) and Gicumbi. Rubavu, Nyagatare, Rutsiro, Muhanga and Kamonyi districts presented also an the cases , while other districts did not have cases for this week.

UPDATE ON EBOLA VIRUS DISEASE

Ebola virus disease in Uganda

1. Key highlights

- first case of Covid19 was confirmed on 19-Sep 2022.
- On 4th December 2022 marks 79 days of responding to the EVD outbreak, and 04 days since the last confirmed case. Within the past 24 hours, there was no new confirmed case, no deaths or recoveries.
- However, following a data reconciliation exercise between case management and surveillance, one case previously classified as 'dead' is re-classified as 'recovered'.
- Case Fatality Ratio (CFR) among confirmed cases still stands 55/142 (39%).
- A total of 46 contacts actively being followed-up in four districts, follow-up rate in the past 24 hours was 100%.

Date update as of 4th December 2022

	District affected	Cases confirmed	Confirmed deaths	Recoveries
Total	9	142	55	87

2. Action to date in Uganda

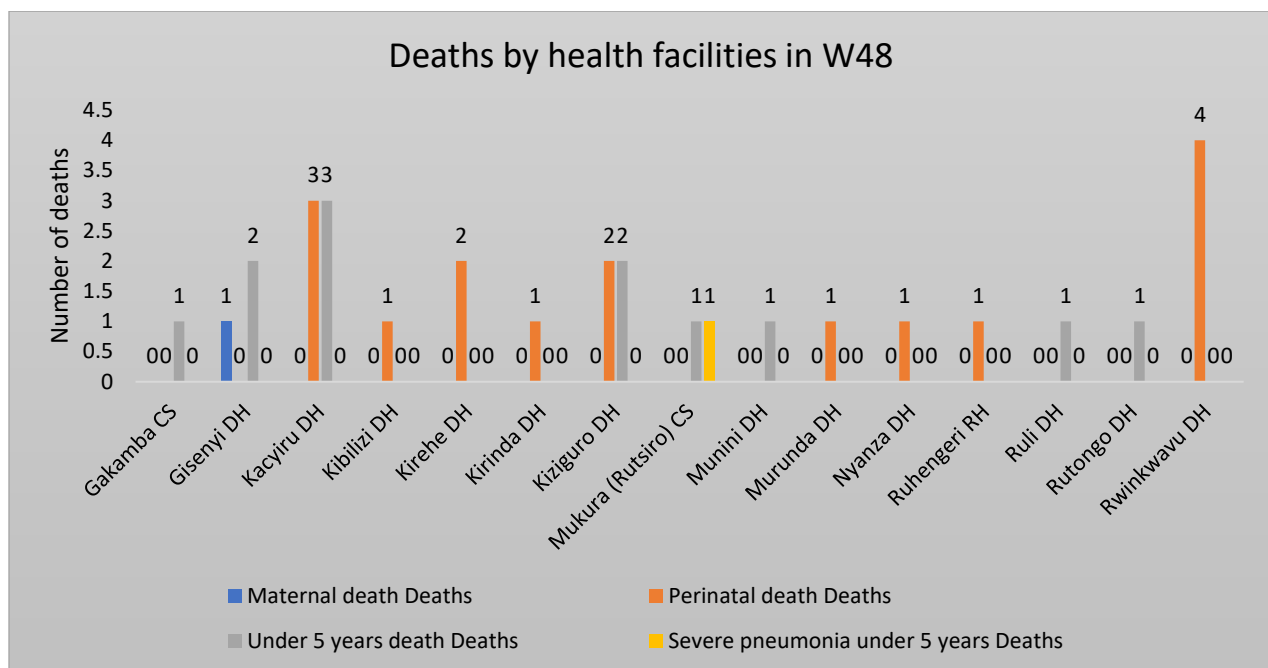
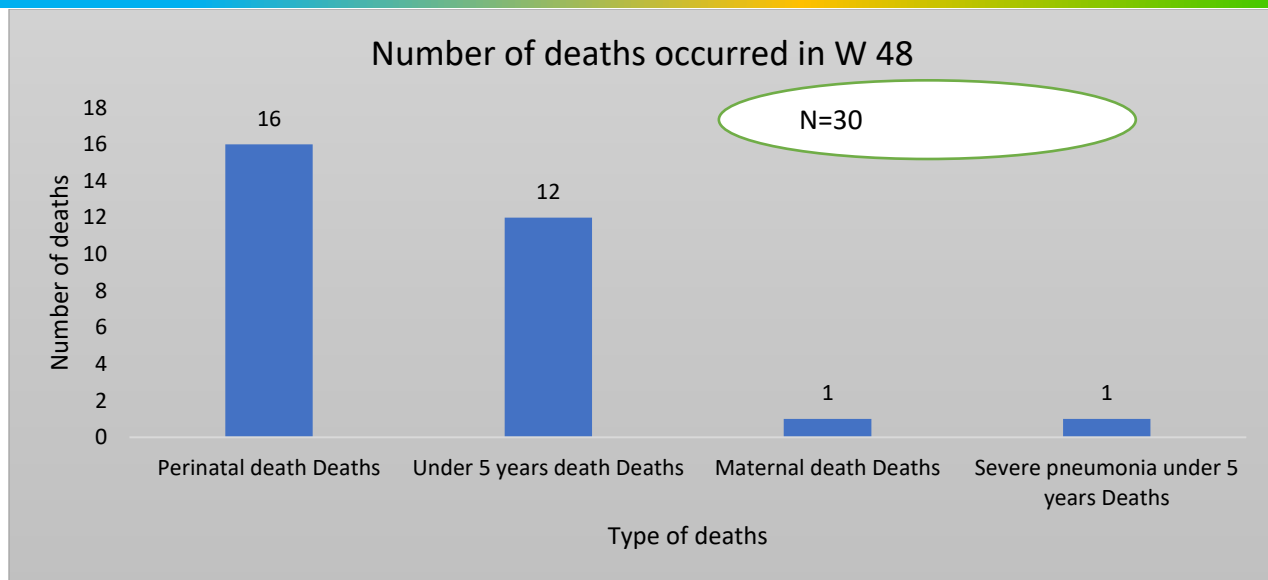
The Ministry of Health, Districts and Partners in **Uganda** are implementing several outbreak control interventions in affected and surrounding districts to contain the disease spread.

3. Key strategies ongoing for Ebola Virus outbreak preparedness in Rwanda

Key strategies in Rwanda

- Activate all command post in all districts
- Temperature screening in all POEs
- Map all people upon entry coming from Mubende, Kyegegwa Kagadi, Bunyangabu, Kassanda, Wakiso, Masaka, Jinja and Kampala regions to be quarantined for 21 days
- Community screening for people with symptoms by CHWs
- Awareness to both community and health care workers
- Investigate and follow up of cases with unexplained fever who consulted health facilities

SUMMARY OF REPORTED DEATHS THROUGH e-IDSr (Wk 48)



In week 48, perinatal deaths had a highest number (16), especially in Rwinkwavu(4) and Kacyiru(3), 12 deaths of under 5 years, 1 death due to Severe pneumonia and 1 maternal death. The death audit should be conducted in health facilities for determining the cause of those deaths and elaborate recommendations for reducing those which should be preventable.

HEALTH FACILITIES WITH NO REPORTS RECEIVED IN e-IDSR FOR Wk 48

District hospital	Health facility name
Gahini	Rukara CS
Gitwe	Munanira CS
Kabgayi	Rutobwe CS
Kabutare	Butare Chu Hnr (huye)
	Mbazi CS
	Ruhashya CS
Masaka	Rwanda Military Hospital
Munini	Muganza CS
Nyabikenke	Nyabinoni CS
Nyamata	Mwogo CS
	Ngeruka CS
	Nyamata DH
Nyanza	Busoro CS
	Ntyazo CS
	Nyamure CS
	Nyarusange (nyanza) CS
	Ruyenzi CS
Rutongo	Cyinzuzi CS
Rwamagana	Ruhunda CS