

WEEKLY EPIDEMIOLOGICAL BULLETIN

Week 05: 30th Jan to 05th Feb 2023

Released on: 9th February 2023



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
- ☞ Reported deaths
- ☞ Events reported in electronic community-based surveillance (e-CBS)
- ☞ Health facilities that did not report

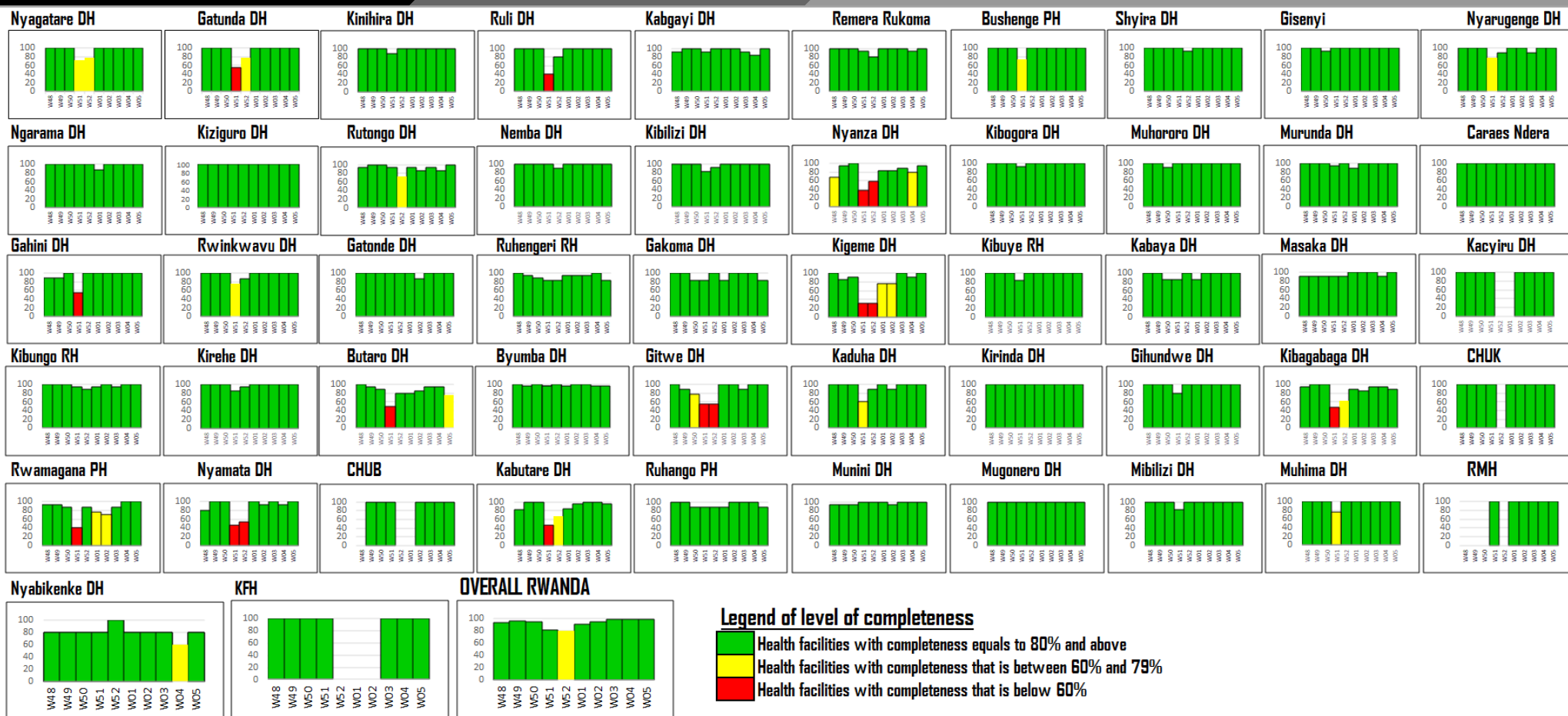
TREND OF IDSR REPORTS COMPLETENESS

(Previous 10 weeks: Wk 48/2022 – Wk 05/2023)

OVERALL

RWANDA

Completeness – Wk 05/2023: 97%



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

Observation: During this week 05/2023, the overall IDSR reports completeness was 97%. However, Butaro District Hospital had a low rate of completeness (between 60 and 79%), while others have the completeness $\geq 80\%$. This hospital has to report all required reports.

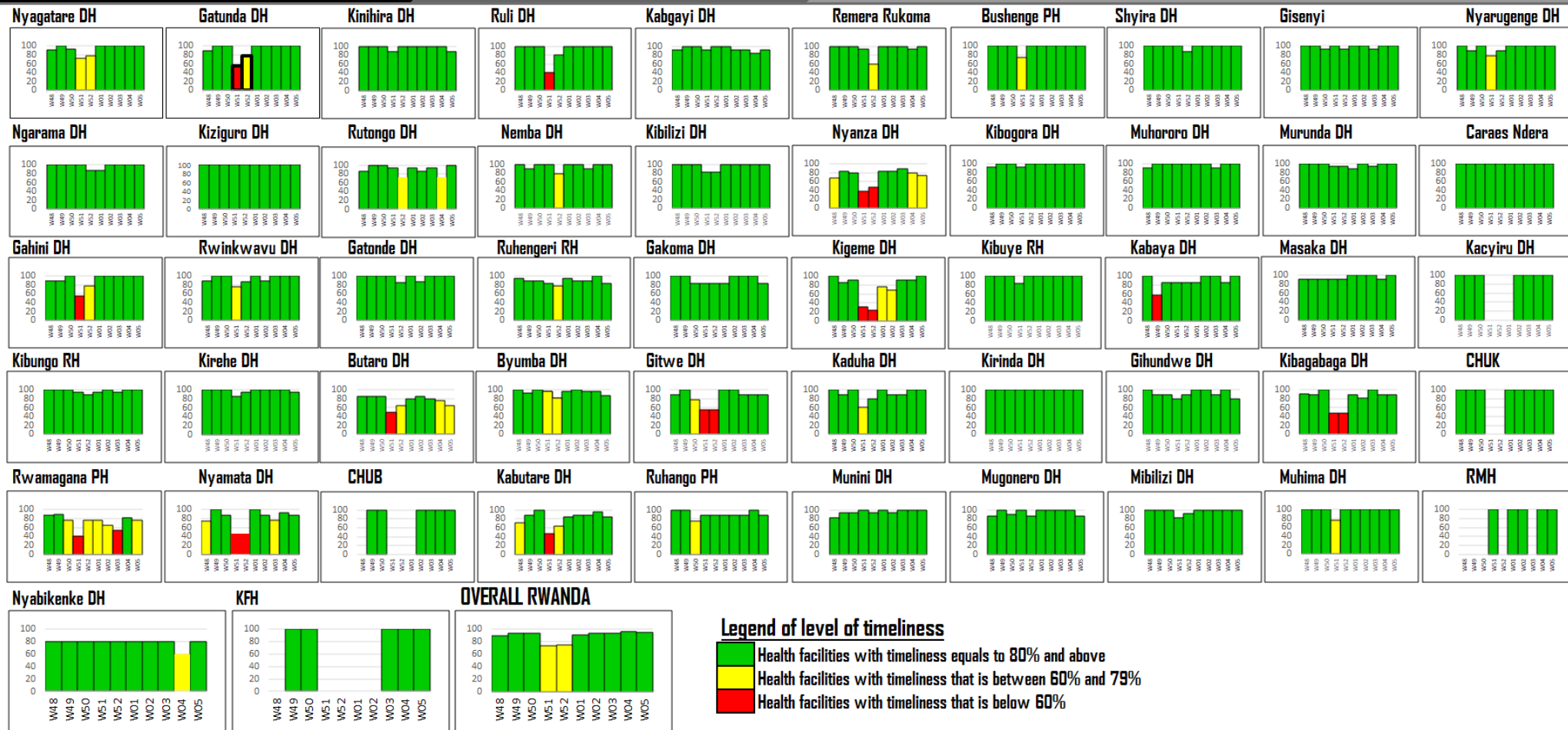
TREND OF IDSR REPORTS TIMELINESS

(Previous 10 weeks: Wk48/2022 – Wk05/2023)

OVERALL

RWANDA

Timeliness – Wk 05/2023: 93%



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

Observation: During this week 05/2023, the overall IDSR reports timeliness was 93%. However, some District Hospital had a low rate of timeliness (between 60% and 79%): Rwamagana PH, Nyanza and Butaro DH. These hospitals have to report all required reports on time (on Monday before 12:00).

IDSR WEEKLY REPORTABLE DISEASES – week48/2022 to week 05/2023

Non-Bloody Diarrhea cases

Wk48/2022 –
Wk05/2023: 31,629
Wk05: 3,190

Flu syndrome cases

Wk48/2022 –
Wk05/2023: 153,883
Wk05: 18,705

Malaria cases

Wk48/2022 –
Wk05/2023: 24,912
Wk05: 1,987

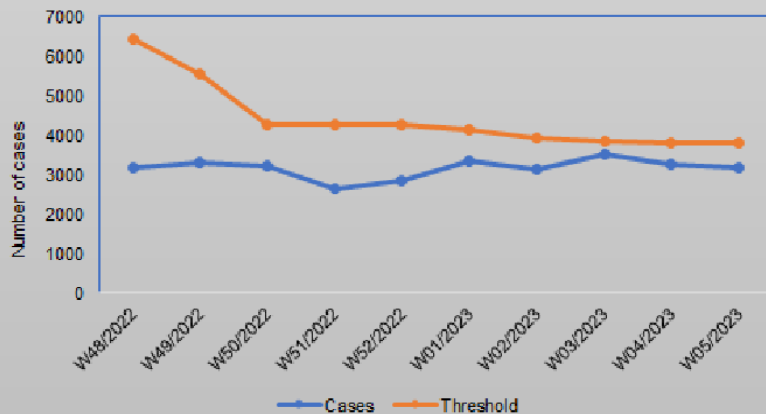
Severe Pneumonia cases

Wk48/2022 –
Wk05/2023: 3,788
Wk05: 492

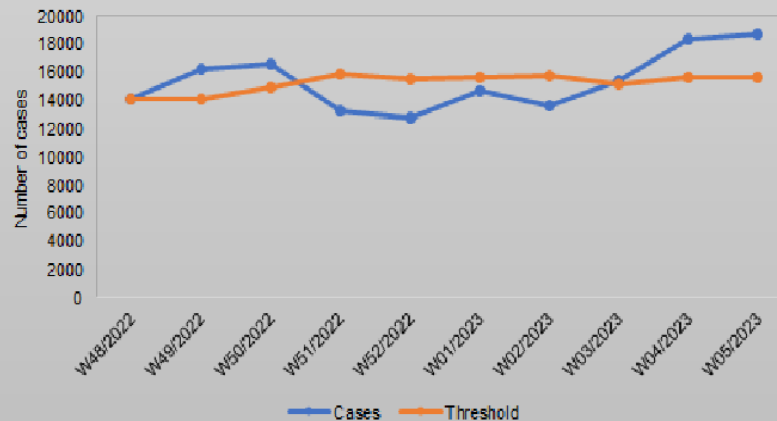
Rabies exposure (Dog bite) cases:

Wk48/2022 –
Wk05/2023: 227
Wk05: 25

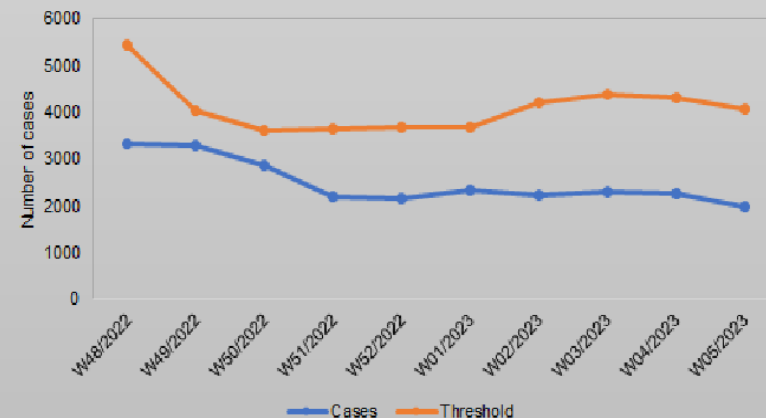
Trend of Non Bloody Diarrhea cases for under 5 years old (Wk48/2022 - Wk05/2023)



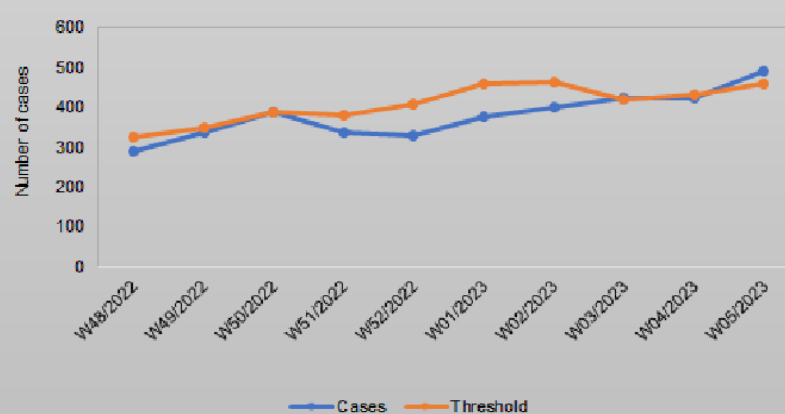
Trend of Flu syndrome cases in Rwanda (Wk48/2022 - Wk05/2023)



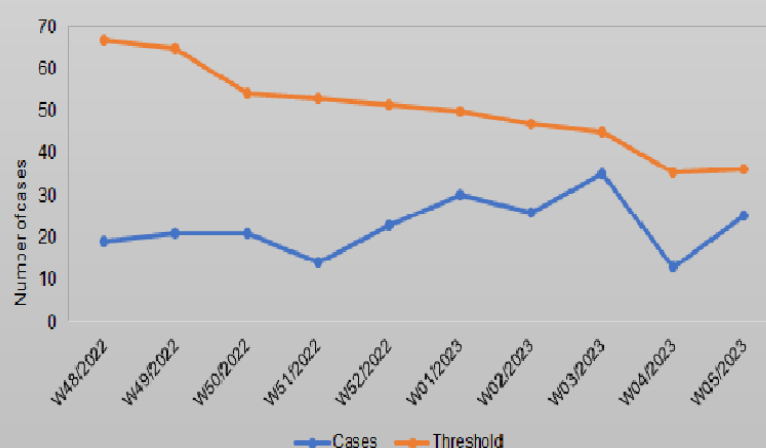
Trend of Malaria cases in Rwanda (Wk48/2022 - Wk05/2023)



Trend of Severe Pneumonia cases in Rwanda (Wk48/2022 - Wk05/2023)



Rabies exposure (dog bite) in Rwanda wk 48/2022 to wk 05/2023



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 05/2023, for 8 weekly reportable diseases, data analysis showed that Flu syndrome and Severe Pneumonia crossed the thresholds, the number of cases decreased for non-bloody diarrhea and Malaria. Brucellosis and Trypanosomiasis had not any case to report. Further investigation should be conducted for the cases that increased.

IDSR IMMEDIATE REPORTABLE DISEASES

Week 05/2023

DH	HF	Acute Flaccid Paralysis	Bacterial Meningitis	Bloody Diarrhea (Shigellosis)	Measles	Typhoid Fever	Severe malaria
Nyamata	Ruhuha CS	0	0	0	1	0	0
Nyarugenge	Biryogo CS	1	0	2	1	0	0
Gakoma	Gakoma CS	0	0	1	0	0	0
Nyanza	Hanika I (NYANZA) CS	0	0	1	0	0	0
Nyanza	Nyanza Prison	0	0	1	0	0	0
Remera-Rukoma	Musambira CS	0	0	2	0	0	0
Ruhango	Kigoma CS	0	0	2	0	0	0
Ruhango	Kizibere CS	0	0	0	1	0	0
Kabaya	Kabaya DH	0	1	0	0	1	0
Kibogora	Hanika (nyamasheke) CS	0	0	0	1	0	0
Kibogora	Kibingo (nyamasheke) CS	0	0	0	1	0	0
Shyira	Nyakigezi CS	0	0	0	1	0	0
Gihundwe	Bweyeye CS	0	0	0	0	0	1
Bushenge	Mukoma (nyamasheke) CS	0	0	0	0	0	1
Murunda	Murunda DH	0	0	0	0	0	1
	Grand Total	1	1	9	6	1	3

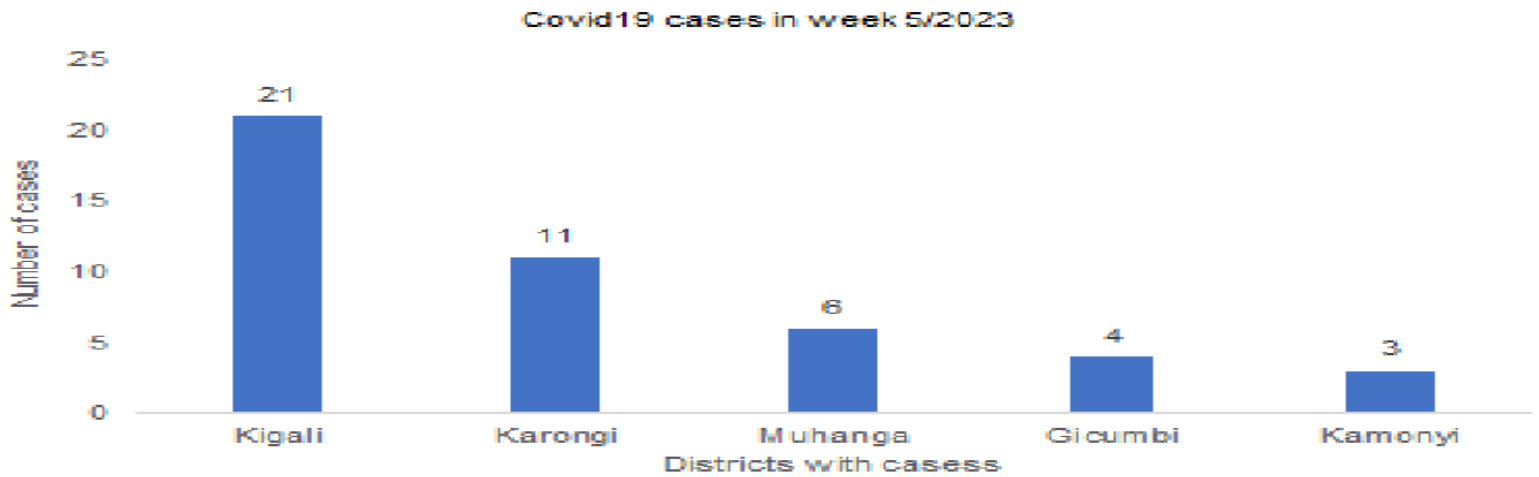
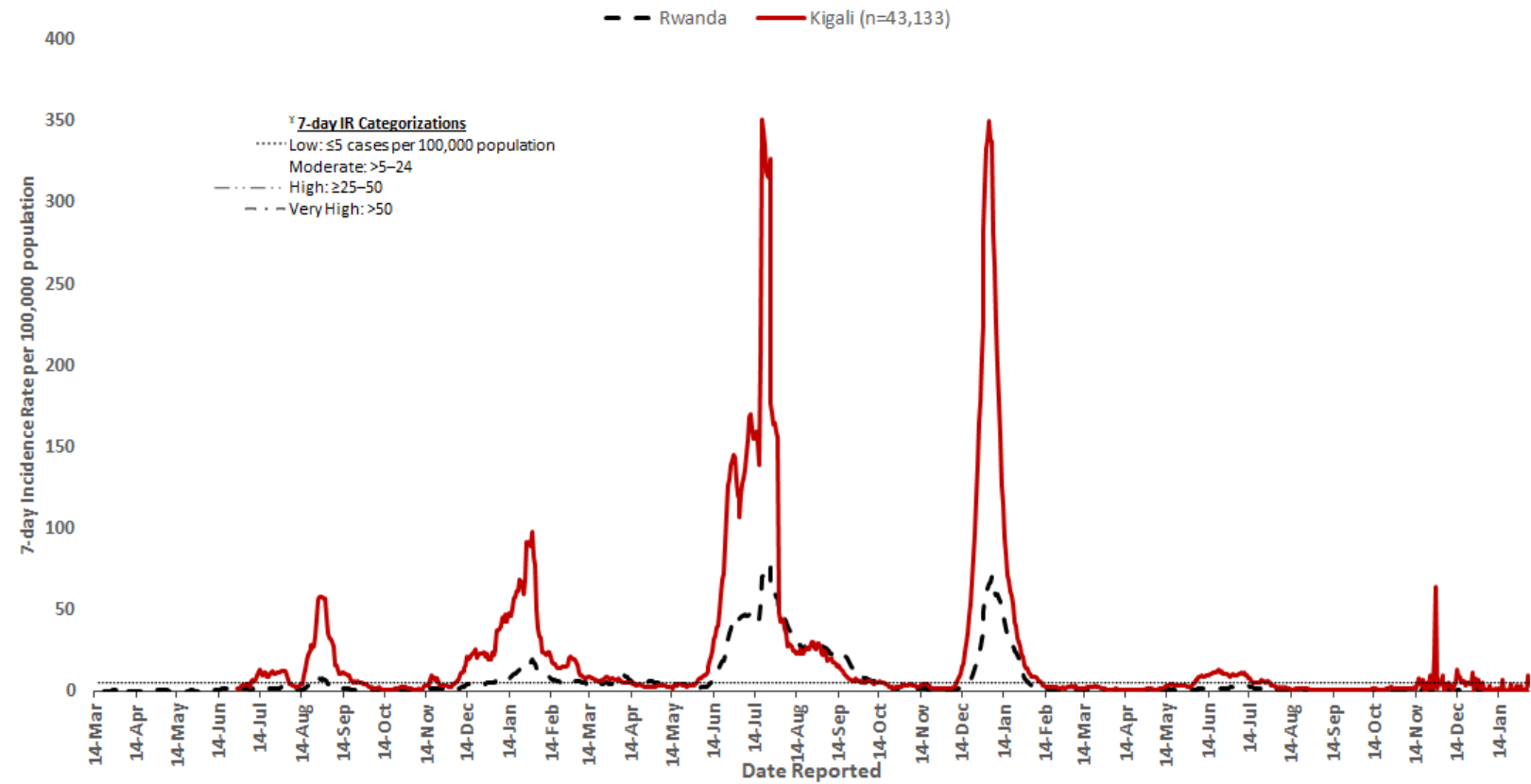
Alerts

Disease	Case	Alert threshold	Recommendations
Severe malaria	3	1 case	Investigate and report as soon as possible
Acute flaccid paralysis	1	1 suspected case	conduct the follow up of laboratory result

Observation: During week 05/2023, the reported IDSR immediate reportable diseases were Bloody diarrhea, Measles, Acute flaccid paralysis, Bacterial meningitis, Typhoid fever and Severe Malaria.

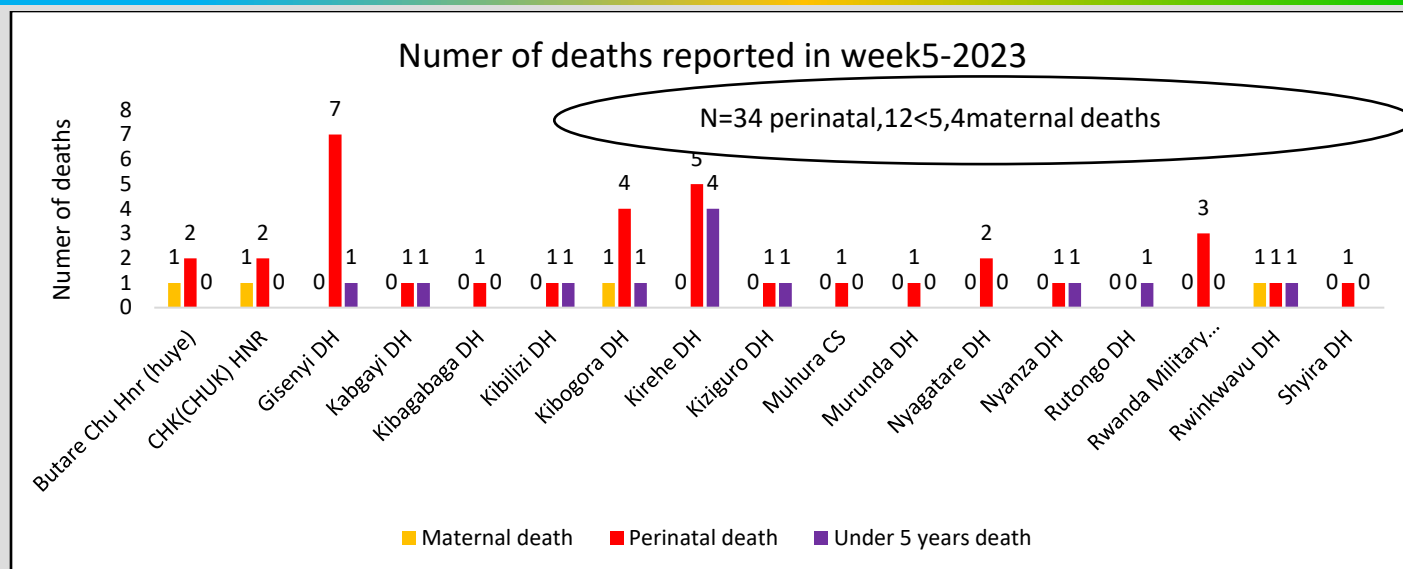
TREND OF INCIDENCE RATE OF COVID-19

COVID-19 Incidence Rate (IR) in Kigali City and Rwanda, March 14, 2020–February 05, 2023



Observation: During the week 05/2023, The overall incidence rate of Rwanda was 0.2 case per 100,000 population .It was greater than previous week (0.1 cases per 100,000 population in week 04) Kigali City, Karongi,Muhanga,Gicumbi and Kamonyi districts presented covid19 cases, while other districts did not have any case in week 05.

SUMMARY OF DEATHS REPORTED THROUGH e-IDSR (Wk 05/2023)



In week 05/2023, perinatal deaths had a highest number (34), especially in Gisenyi DH(7deaths), 12deaths of under 5 years, 4 maternal deaths. The 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 THAT DID NOT REPORT IN e-IDSR FOR WEEK 05/2023

Hospital	Health facilities
Butaro	Bungwe (burera) CS
	Gahunga CS
	Kinyababa CS
	Ntaruka (kinoni Burera) CS
	Ruhunde CS
Byumba	Tanda CS
Gakoma	Save CS
Kabutare	Rubona (huye) CS
Kibagabaga	Bumbogo (ex-Gikomero I) CS
	Kayanga CS
Nyabikenke	Nyabinoni CS
Nyanza	Gahombo CS
Ruhango	Mukoma (ruhango) CS
Ruhengeri	Gashaki CS
	Gasiza (musanze) CS
	Ruhengeri RH

TRUE EVENTS REPORTED IN COMMUNITY BASED SURVEILLANCE(e-CBS) IN e-IDSR FOR WEEK 05/2023

Event date	Village	CEB Event trigger	Sex	Age in years
1/30/2023	Sumbure	HD	Female	83
1/30/2023	Rukaya	HD	Male	2
1/2/2023	Nyirakanemba	HD	M	20
2/2/2023	Runyenkanda	DB	M	-
5/2/2023	Rutenderi	HD	F	26

The events reported and verified in week 5 were 5 including 4 human deaths and 1 dog bite, the person was referred to the health facility and received vaccine. The verbal autopsy for the deaths should be conducted.