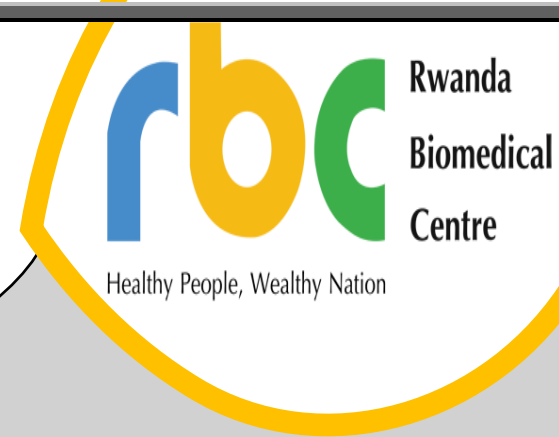


WEEKLY EPIDEMIOLOGICAL BULLETIN



Week 09: 27th February to 5th March 2023

Released on: 9th March 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

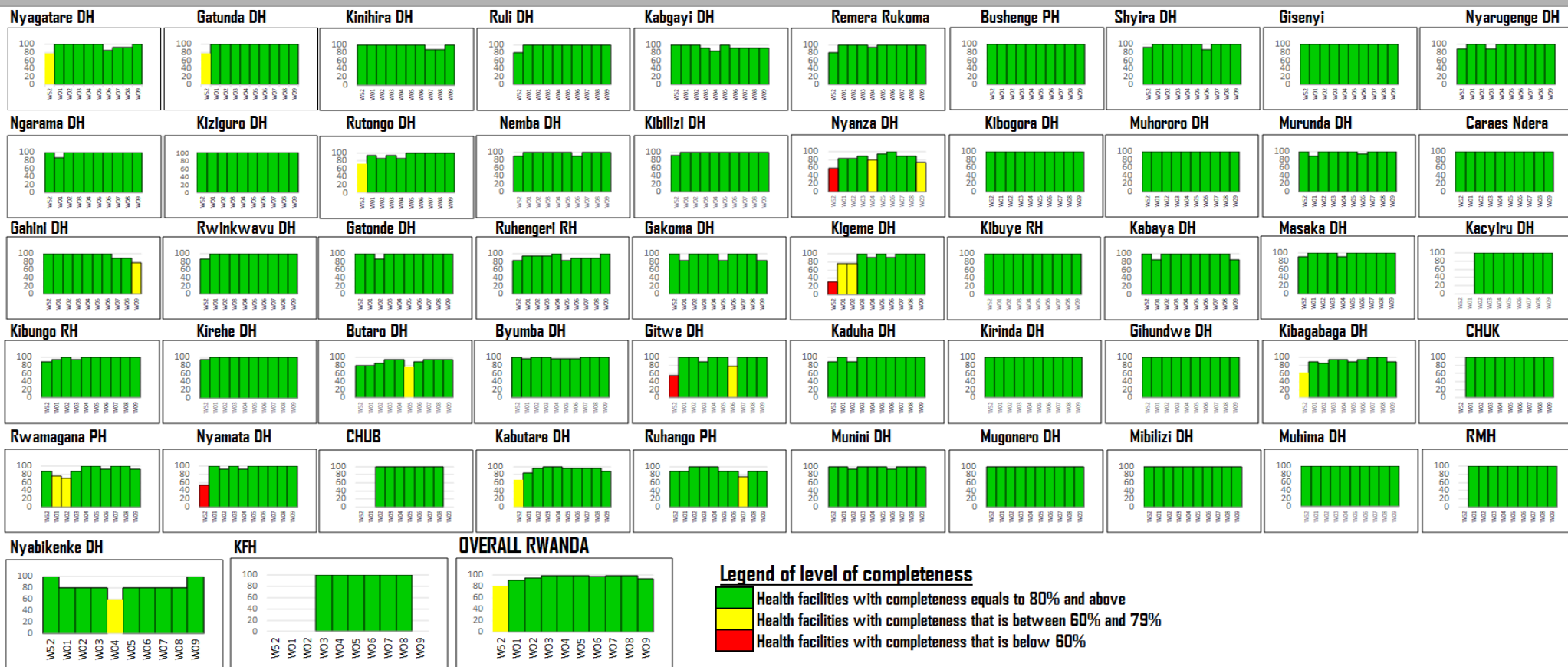
TREND OF IDSR REPORTS COMPLETENESS

(Previous 10 weeks: Wk 52/2022 – Wk 09/2023)

OVERALL

RWANDA

Completeness – Wk 09/2023: 97%



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

Observation: During this week 09/2023, the overall IDSR reports completeness was 97%. However, Nyanza district hospital had a low rate of completeness (between 60 and 79%), while CHUB and King Faysal hospital did not submit the report, they have the completeness below 60%. These hospitals have to report all required reports.

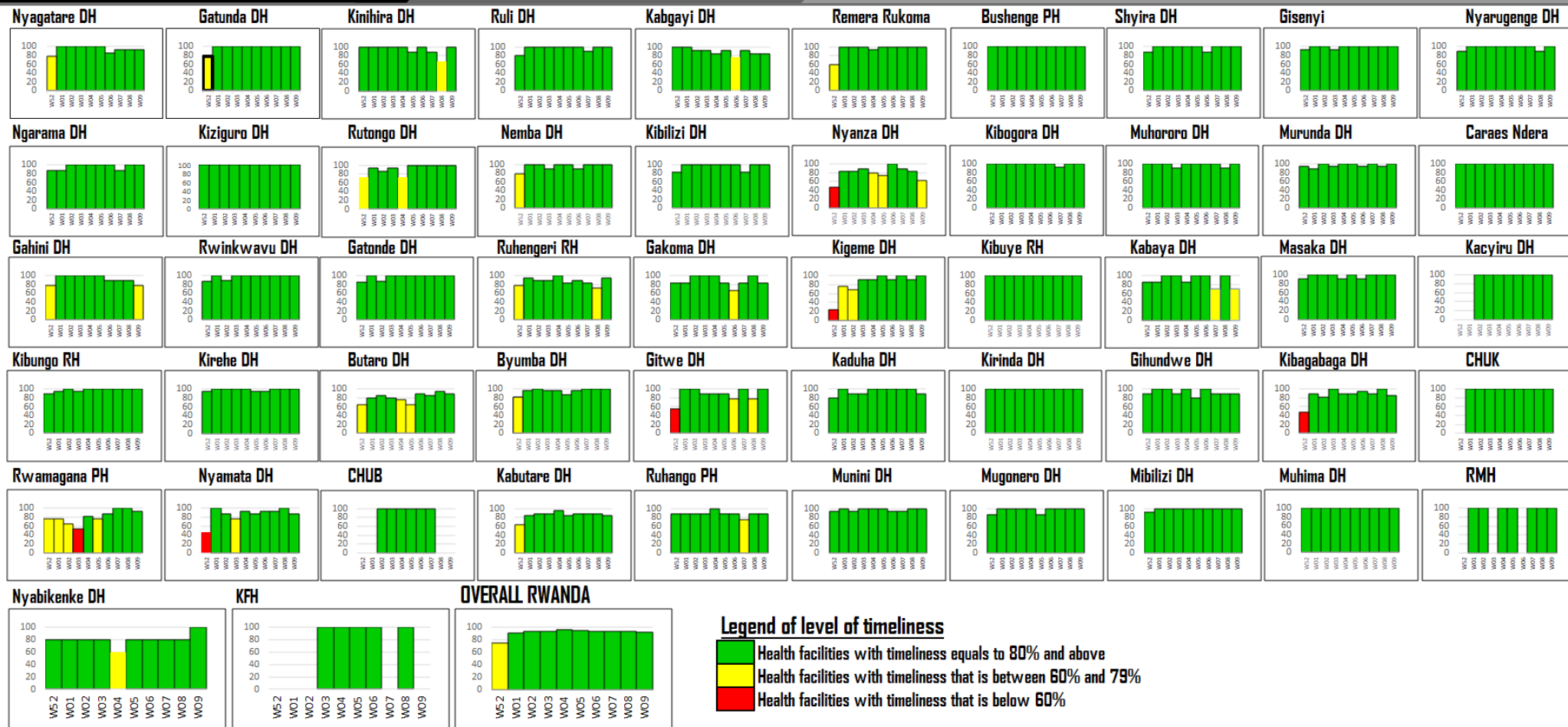
TREND OF IDSR REPORTS TIMELINESS

(Previous 10 weeks: Wk52/2022 – Wk09/2023)

OVERALL

RWANDA

Timeliness – Wk 09/2023: 95%



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

Observation: During this week 09/2023, the overall IDSR reports timeliness was 95%. However, However, Nyanza, Gahini, Kabaya district hospital had a low rate of timeliness (between 60 and 79%), while CHUB and King Faysal hospital did not submit the report they have the timeliness below 60%. These hospitals have to report all required reports on time (on Monday before 12:00).

IDSR WEEKLY REPORTABLE DISEASES – week52/2022 to week 09/2023

Non-Bloody Diarrhea cases

Wk52/2022 –
Wk09/2023: 33,145
Wk09: 3,517

Flu syndrome cases

Wk52/2022 –
Wk09/2023:
163,687
Wk09: 16,644

Malaria cases

Wk52/2022 –
Wk09/2023: 21,259
Wk09: 1,870

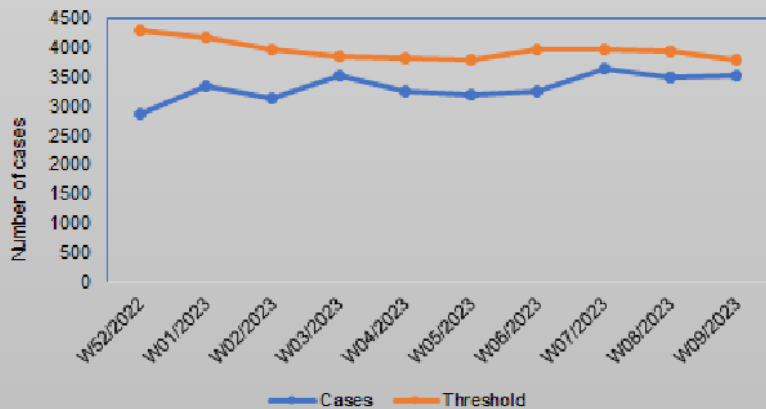
Severe Pneumonia cases

Wk52/2022 –
Wk09/2023: 4,436
Wk09: 469

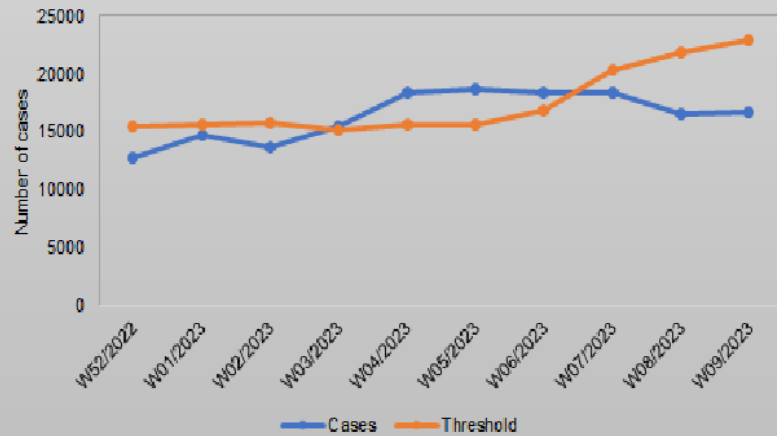
Rabies exposure (Dog bite) cases:

Wk52/2022 –
Wk09/2023: 253
Wk09: 32

Trend of Non Bloody Diarrhea cases for under 5 years old (Wk52/2022 - Wk09/2023)



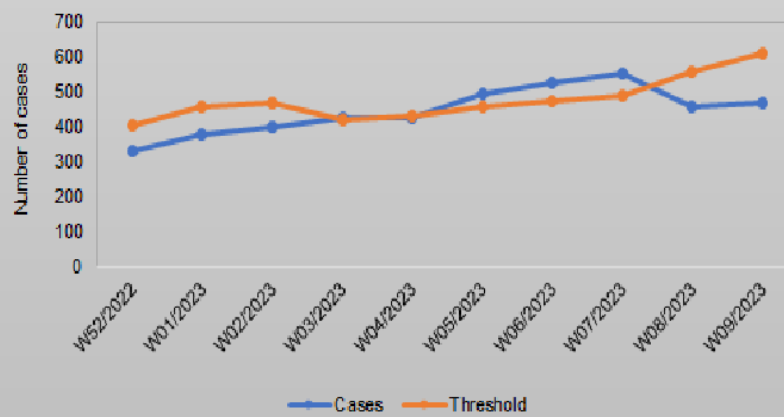
Trend of Flu syndrome cases in Rwanda (Wk52/2022 - Wk09/2023)



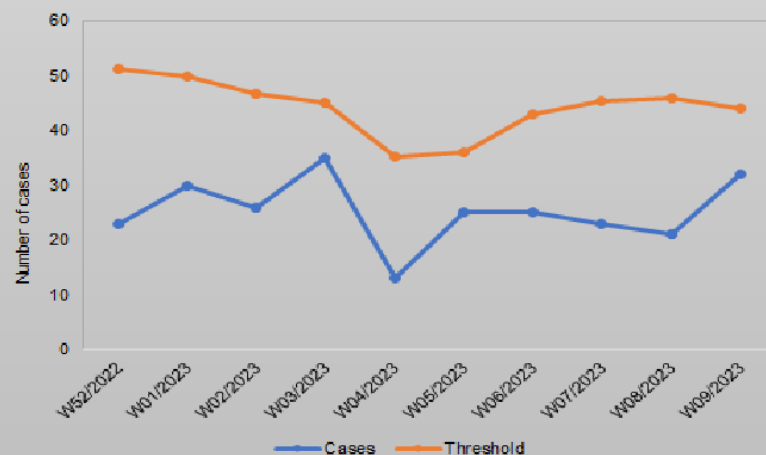
Trend of Malaria cases in Rwanda (Wk52/2022 - Wk09/2023)



Trend of Severe Pneumonia cases in Rwanda (Wk52/2022 - Wk09/2023)



Rabies exposure(dog bite) in Rwanda wk 52/2022 to wk 09/2023



In week 09/2023, for 8 weekly reportable diseases, data analysis showed that no disease crossed the thresholds. Brucellosis and Trypanosomiasis had not any case to report.

IDSR IMMEDIATE REPORTABLE DISEASES

Week 09/2023

DH	HF	Acute Flaccid Paralysis	Bloody Diarrhea (Shigellosis)	Cholera	Measles	Rubella
Shyira	Bigogwe CS	0	0	0	0	1
Nyarugenge	Biryogo CS	0	1	0	0	0
Byumba	Byumba CS	0	0	0	1	0
Murunda	Crete Congo Nil CS	1	1	0	0	0
Mugonero	Gatare (twumba) CS	0	0	6	0	0
Gisenyi	Gisenyi DH	0	0	2	0	0
Gisenyi	Kabari (Rubavu) CS	0	0	0	4	0
Munini	Kibeho CS	0	0	0	1	0
Kibilizi	Kibilizi (gisagara) CS	0	0	0	1	0
Ruhango	Kigoma CS	0	1	0	0	0
Kigeme	Kitabi CS	0	1	0	0	0
Kirehe	Mahama Refugee Camp HC	0	0	0	7	0
Kirehe	Mahama Refugee Camp II HC	0	0	0	4	0
Butaro	Nyamugali CS	0	1	0	0	0
Kabgayi	Shyogwe CS	0	2	0	0	0
Mibilizi	Wibabara DISP	0	1	0	0	0
	Total	1	8	8	18	1

Alerts

Disease	Case	Alert threshold	Recommendations
AFP	1suspected	1suspected	Investigate and report as soon as possible
Bloody diarrhea	1confirmed case	1confirmed case	
Cholera	8suspected	1suspected case	
Measles/Rubella	10confirmed cases	3confirmed cases	

Observation: During week 09/2023, the reported IDSR immediate reportable diseases were AFP, Bloody diarrhea, Measles, Cholera and Rubella.

Key highlights in week 09/2023

OUTBREAKS IDENTIFIED

1. Measles outbreak in Rubavu and Kirehe districts.

An outbreak of Measles/Rubella disease was identified in the different districts countrywide. Currently, a total of 14 cases were laboratory confirmed positive. These cases are distributed as follows: Rubavu district (6), Kirehe district (5), Nyabihu district (1), Bugesera (1), Ngoma (1).

Cases in Rubavu district were identified in Nkamira transit camp, cases from Kirehe district were in Mahama refugee camp, case in Nyabihu district was identified in Kijote transit camp and the remaining cases were identified in the community.

2. Cholera outbreak in Western Province

In the last 2 months, an outbreak of Cholera disease was identified in the Western Province. Currently, a total of 90 suspects were identified, and among them, 10 cases were confirmed positive. These cases are distributed as follows: Rusizi district (4), Iwawa Rehabilitation center (3), Nyamasheke district (2), Rubavu (1).

The source of the current outbreak is the usage of Lake Kivu water by the population, and unavailability of latrines in households.

Other priority disease tested positive during the week:

One confirmed case of Shigellosis at Crete Congo Nil HC- Rutsiro District

The patient was treated at the health center and sent home, currently, he clinically improved.

Actions taken for responding to the highlighted outbreaks

For Measles outbreak:

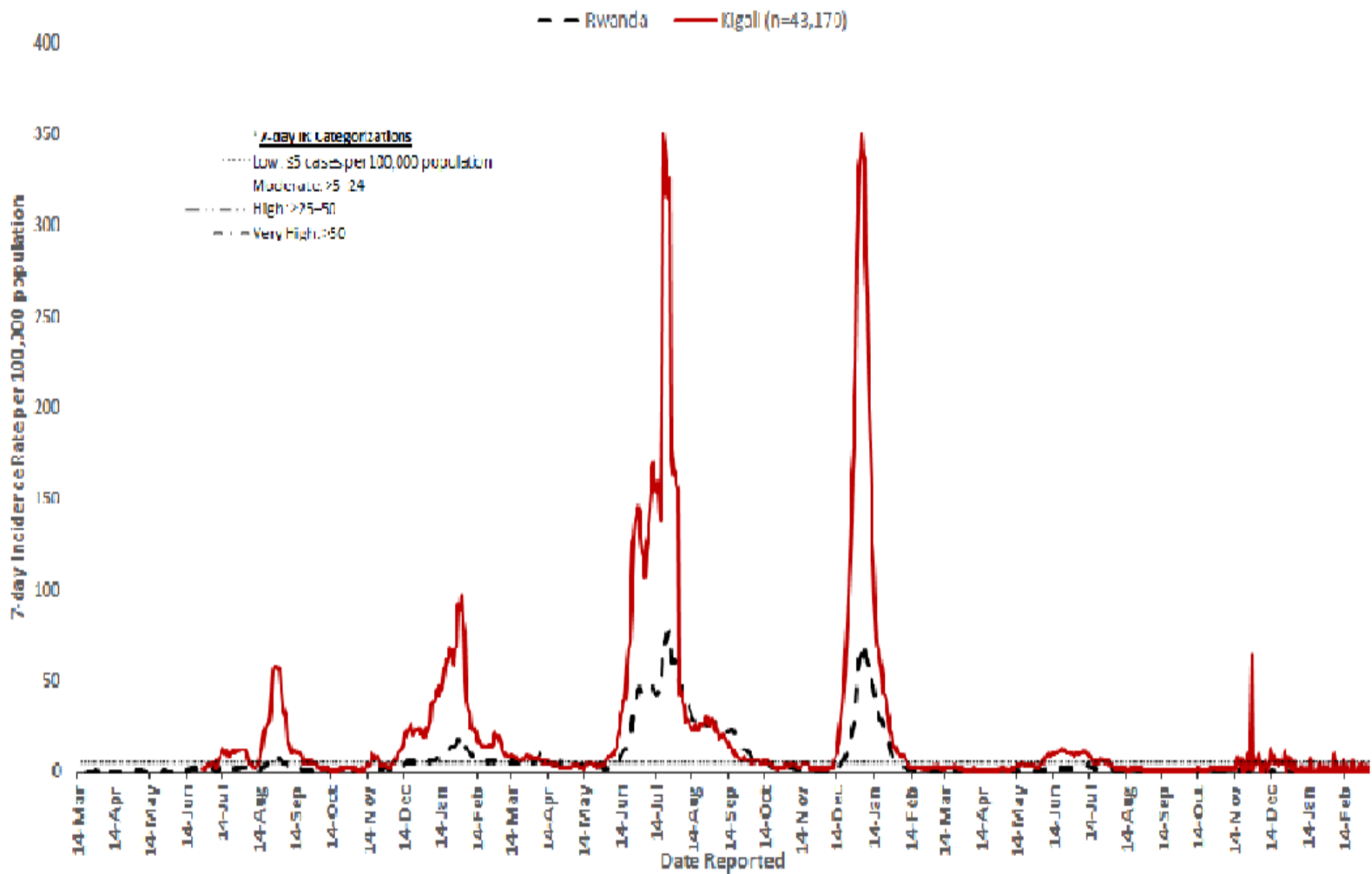
- Vaccination campaign
- An investigation team deployed in the respective districts.
- Strengthening surveillance in the community.

For Cholera outbreak:

- WASH (Water, Sanitation and Hygiene) campaign starting this week, to emphasize on the usage of clean water and latrines.
- A meeting with stakeholders was organized
- An investigation team deployed in the Western Province to support cholera response.

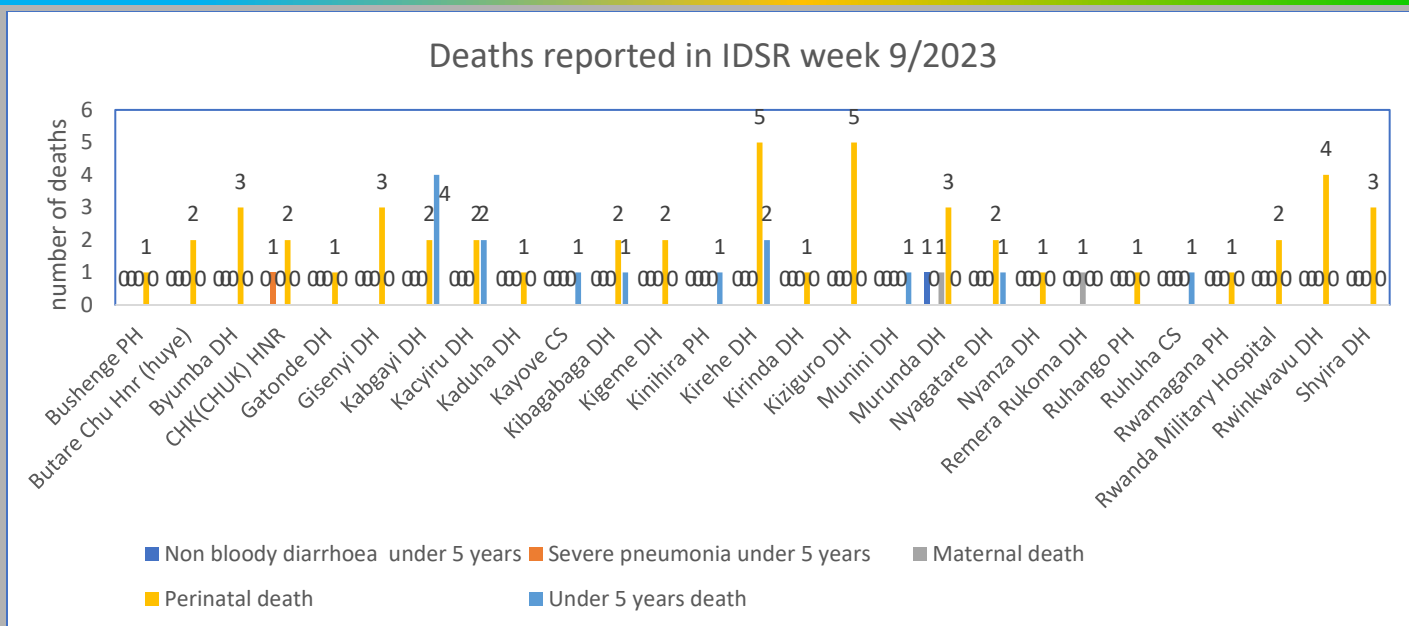
TREND OF INCIDENCE RATE OF COVID-19

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



Observation: During the week 09/2023, The overall incidence rate of Rwanda was 0.1 case per 100,000 population. It was the same with the previous week (0.1 cases per 100,000 population in week 08) only Kigali City presented covid19 cases, while other districts did not have any case in week 09.

SUMMARY OF DEATHS REPORTED THROUGH e-IDSR (Wk 09/2023)



In week 09/2023, perinatal deaths had a highest number (49), especially in Kirehe and Kiziguro DH (5 deaths for each one), 14 deaths of under 5 years, 2 maternal deaths, 1 due to severe pneumonia. 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 09/2023

DH	HF
Butare Chu Hnr (huye)	Butare Chu Hnr (huye)
Kabutare	Kabutare DH
Butaro	Butaro DH
Gahini	Gahini CS
Gakoma	Gakoma DH
Rwamagana	Gishari(Police) CS
Kabaya	Kabaya DH
King Faisal Hospital HNR	King Faisal Hospital HNR
Kibagabaga	Kinyinya CS
Ruhango	Kizibere CS
Kabgayi	Mata CS
Nyanza	Mucubira CS
Nyanza	Mututu CS
	Ntyazo CS
	Nyanza CS
	Nyarusange (nyanza) CS
Gahini	Rukara CS

TRUE EVENTS REPORTED IN COMMUNITY BASED SURVEILLANCE(e-CBS) IN e-IDSR FOR WEEK 09/2023

Event date	Village	CBS Event trigger	Sex	Age in years
2/28/2023	Nganda II	Dog bite	Male	10

There was 1 event reported and verified in week 9, in Nganda II village, the person was referred to the Rwantonde HC and then to Kirehe DH for receiving the vaccine.