

WEEKLY EPIDEMIOLOGICAL BULLETIN

Week 11: From 13th to 19th March 2023

Released on: 23th 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 02-Wk 11/2023)

OVERALL

RWANDA

Completeness – Wk 11/2023: 98%



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

Observation: During the week 11/2023, the overall IDSR reports completeness was 98%. All hospitals had a good reporting rate of completeness (equals and above 80%). That was to be appreciated and to be maintained by all hospitals.

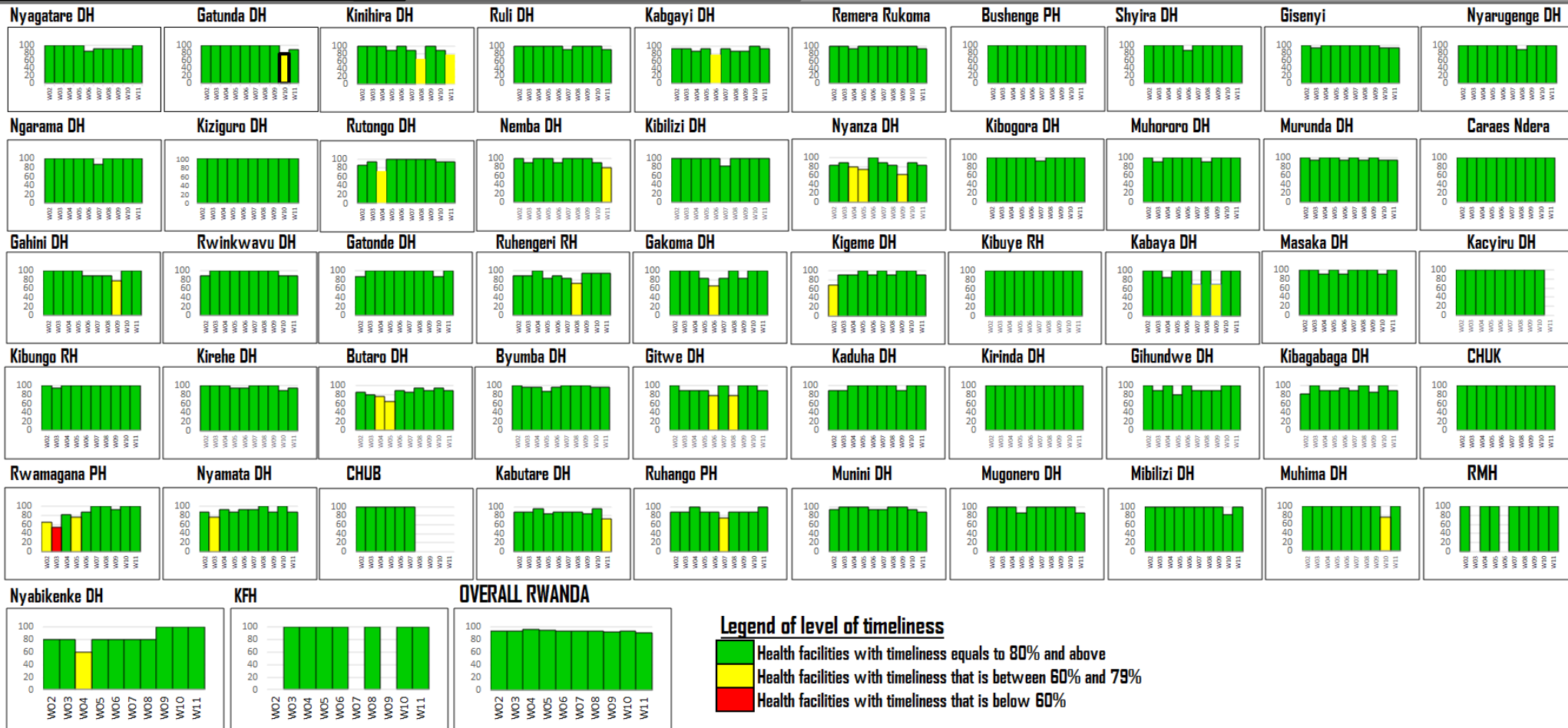
TREND OF IDSR REPORTS TIMELINESS

(Previous 10 weeks: Wk 02- Wk11/2023)

OVERALL

RWANDA

Timeliness – Wk 11/2023: 94%



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

Observation: During this week 11/2023, the overall IDSR reports timeliness was 94%. However, Kinihira, Nemba, Kabutare hospitals had a low rate of timeliness (between 60 and 79%), while CHUB and Kacyiru had a very low timeliness (below 60%). These hospitals are invited to report all required surveillance reports on time (on Monday before 12:00).

IDSR WEEKLY REPORTABLE DISEASES

week 02 to week 11/2023

Non-Bloody Diarrhea cases

Wk02 – Wk11/2023:
33,634
Wk11: 3,312

Flu syndrome cases

Wk02 –
Wk11/2023:
166,336
Wk11: 14,054

Malaria cases

Wk02 – Wk11/2023:
20,704
Wk11: 1,982

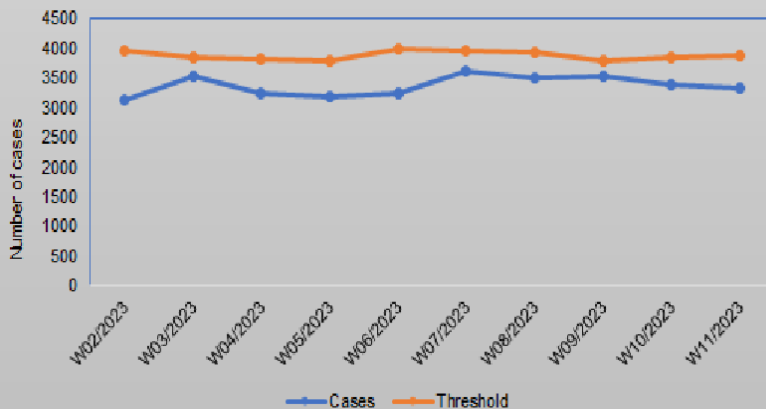
Severe Pneumonia cases

Wk02 – Wk11/2023:
4,621
Wk11: 451

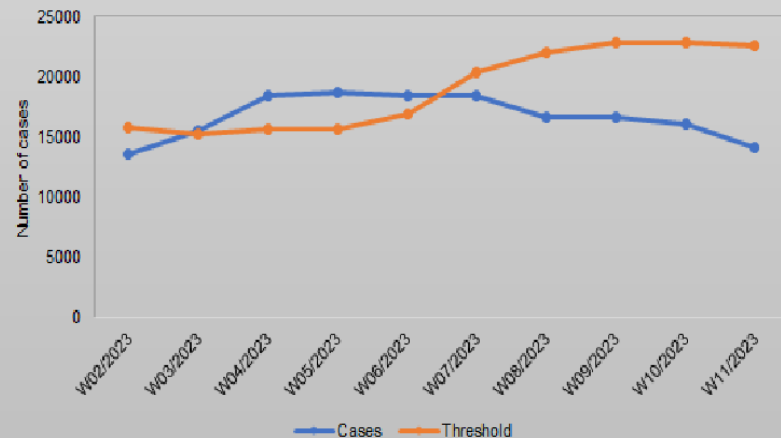
Rabies exposure (Dog bite) cases:

Wk02 – Wk11/2023: 239
Wk11: 11

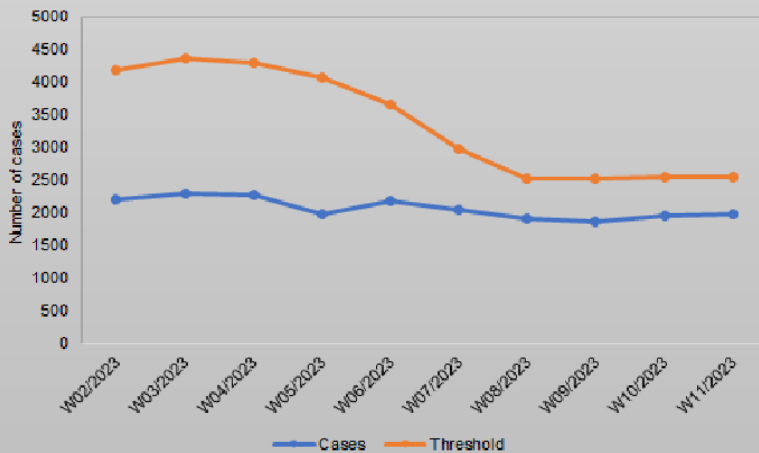
Trend of Non Bloody Diarrhea cases for under 5 years old (Wk02 - Wk11/2023)



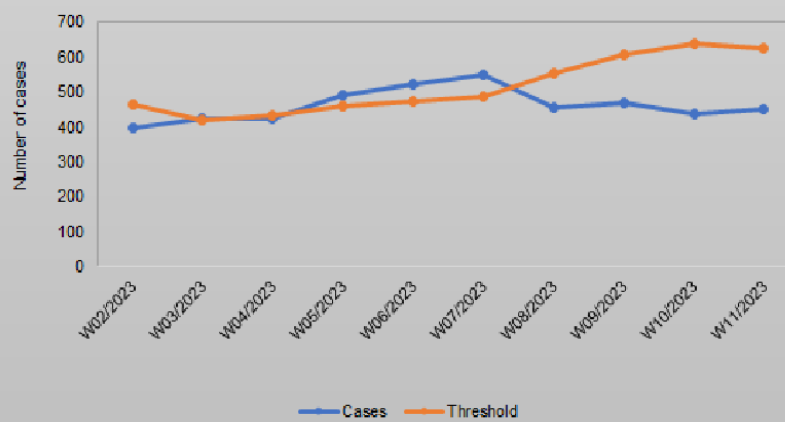
Trend of Flu syndrome cases in Rwanda (Wk02-Wk11/2023)



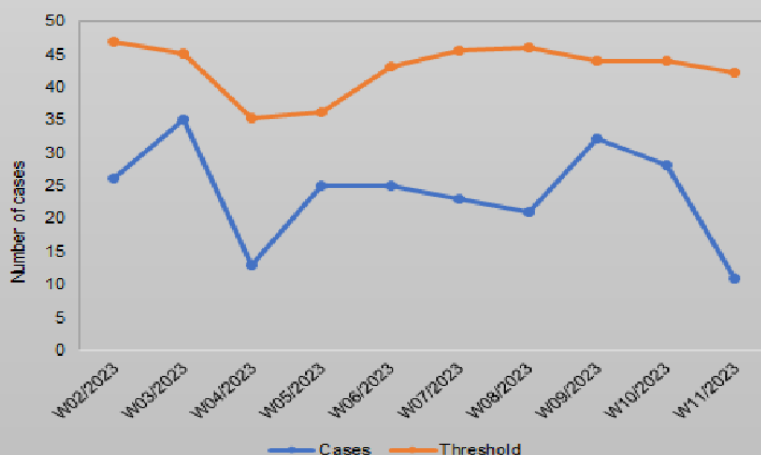
Trend of Malaria cases in Rwanda (Wk02 - Wk11/2023)



Trend of Severe Pneumonia cases in Rwanda (Wk02 - Wk11/2023)



Rabies exposure(dog bite) in Rwanda wk 02 to wk 11/2023



During the week 11/2023, no weekly reportable disease (WRD) crossed the thresholds. No case reported for Brucellosis and Trypanosomiasis.

IDSR IMMEDIATE REPORTABLE DISEASES

Week 11/2023

Hospital	Health Facility names	Acute Flaccid Paralysis	Bloody Diarrhea (Shigellosis)	Cholera	Foodborne illness	Measles	Typhoid Fever
Nyarugenge	Biryogo CS	0	2	0	0	0	0
Nyanza	Hanika I (NYANZA) CS	0	1	0	0	0	0
Gisenyi	Kabari (Rubavu) CS	0	0	0	0	2	0
Kibogora	Kibogora DH	0	0	1	0	0	0
Kiziguro	Kiziguro DH	0	0	0	0	0	1
Shyira	Kora CS	0	0	0	0	1	0
Kirehe	Mahama Refugee Camp HC	0	0	0	0	7	0
Kirehe	Mahama Refugee Camp II HC	0	0	0	0	3	0
Murunda	Murunda CS	0	2	0	0	0	0
Bushenge	Mwezi CS	0	0	0	0	1	0
Ngarama	Ngarama DH	0	0	0	9	0	0
Muhororo	Ntobwe CS	0	0	0	0	1	0
Gahini	Nyakabungo CS	0	1	0	0	0	0
Remera Rukoma	Remera Rukoma CS	1	0	0	0	1	0
Kibungo	Rukoma Sake CS	0	0	0	116	0	0
Gisenyi	Sainte Immaculee Clin	0	0	0	0	0	1
	Total	1	6	1	125	16	2

Alerts

Disease	Cases	Alert threshold	Recommendations
AFP	1	1 suspected case	Investigate and report as soon as possible
Cholera	1	1 suspected case	
Foodborne illness	125	1 case	Report foodborne illness as immediate reportable disease for early response

Observation: During the week 11/2023, cases of immediate reportable diseases (IRD) notified include: AFP, Bloody diarrhea, Measles, Rubella, Foodborne illness and Typhoid fever. All were suspected cases, samples were taken and sent to NRL for testing. Eight confirmed cases of severe malaria were also reported.

Key highlights in week 11/2023

OUTBREAKS IDENTIFIED

1. Two Measles outbreaks, one in Rubavu and other one in Kirehe districts:

- From week 9, an outbreak of Measles/Rubella disease was identified in the different districts countrywide: Rubavu district (6), Kirehe district (5), Nyabihu district (1), Bugesera (1), Ngoma (1). A total of 14 cases were laboratory confirmed positive. Thus, in week 10 and 11, measles outbreaks were still ongoing in two districts: Rubavu and Kirehe. Then, in week 10 at Rubavu, 8 additional cases were identified in Nkamira transit camp in Rubavu district by epidemiological link confirmation making it a total of 14 cases, and in week 11 at Rubavu district, 1 additional case was confirmed by epidemiological link in the previous week making it a total of 8 laboratory confirmed cases and 15 cases confirmed by epidemiological link.
- From 27th February 2023, measles outbreak was ongoing at Kirehe district, in Mahama Refugee camp. During week 11/2023; a cumulative total of cases was 25, including 8 laboratory confirmed cases and 17 epidemiological links.

2. Cholera outbreak

- Cholera outbreak was ongoing at Kibogora DH in week 11; 1 suspected case was identified, the sample was taken and sent to NRL.
- In Karongi district, no additional cases were suspected.

3. Foodborne illness outbreaks:

- Ngarama DH, notified 9 cases of foodborne illness during the Epidemiological week 11. The outbreak occurred on 13th March 2023, at TVT Benebikira-Ngarama. Students fell sick after consuming different assortment of food including rice, beans and cabbages. The sick students were complaining for Diarrhea and Vomiting. 9 Cases that consulted Ngarama DH on 14th March 2023, were managed at hospital and all recovered.
- In Kibungo DH, Rukoma-Sake HC, 116 cases of foodborne illness outbreak was reported, it occurred on 14th March 2023, at Nkanga primary school, where 116 pupils consulted the HC with abdominal pain, nausea, vomiting or diarrhea, they were treated with success.

Actions taken for responding to the highlighted outbreaks

For Foodborne illness

- treatment of cases at health facilities
- samples collection of water for testing
- The immediate notification was not conducted (Rukoma-Sake cases) thus, they are recommended to report immediately next time, for an early response

For Measles outbreaks

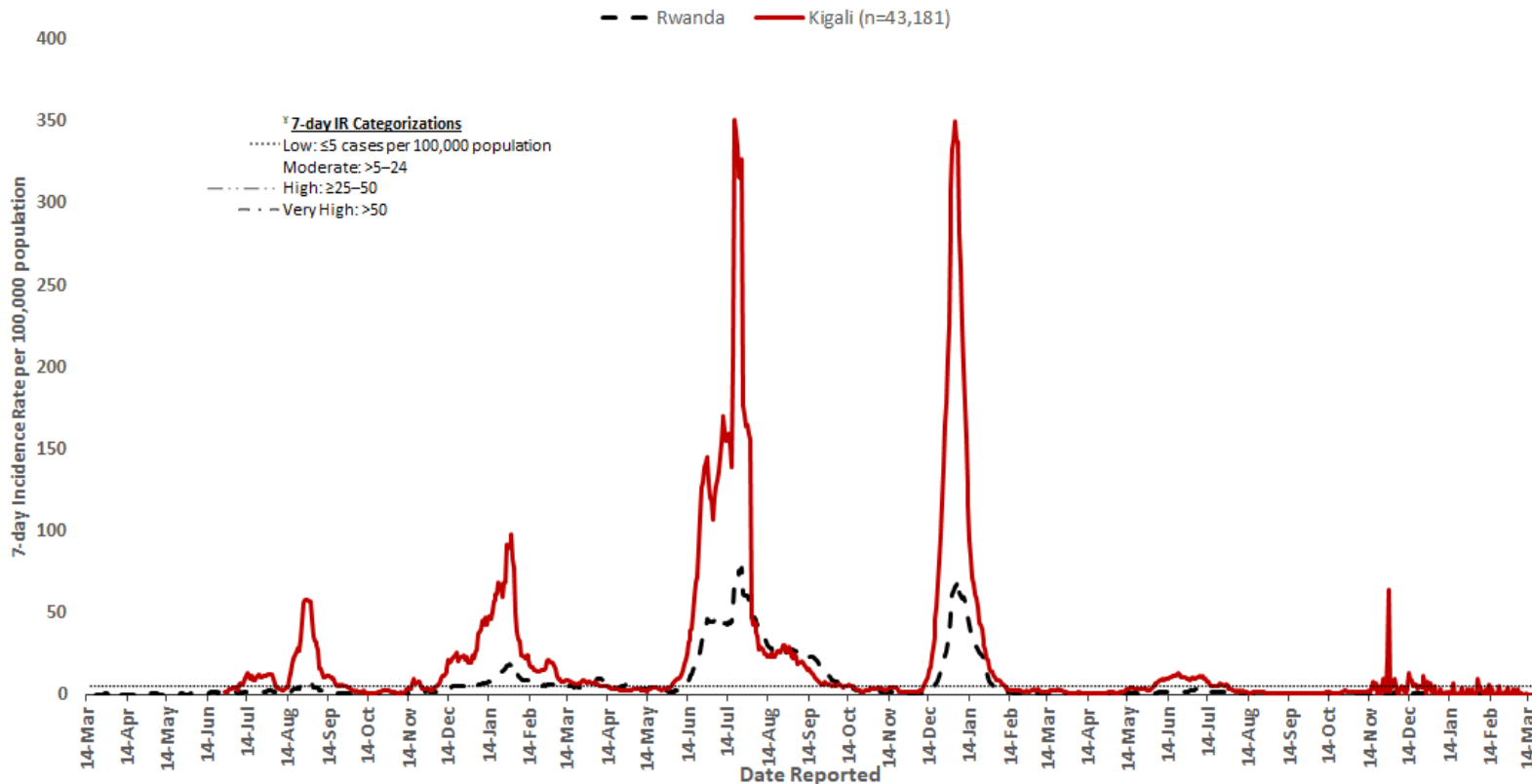
- Continuous active cases search
- Case management of patients (treatment, isolation)
- Measles vaccination campaign

For Cholera outbreak:

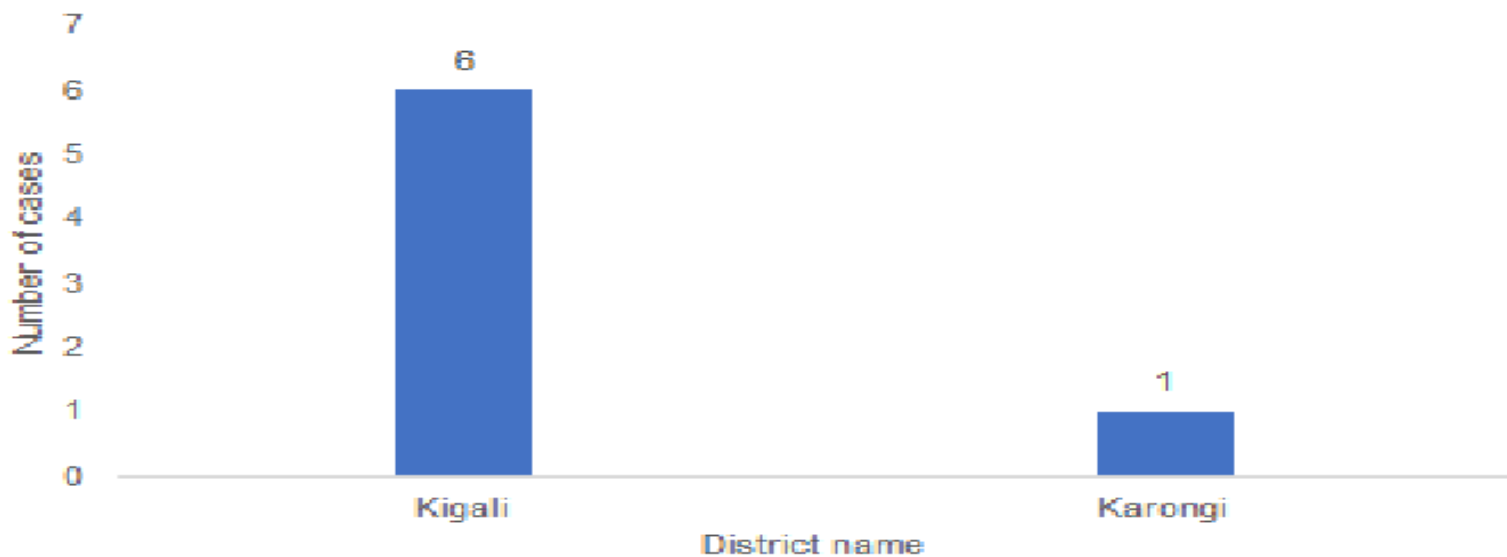
- Community sensitization for hygiene and sanitation

TREND OF INCIDENCE RATE OF COVID-19

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

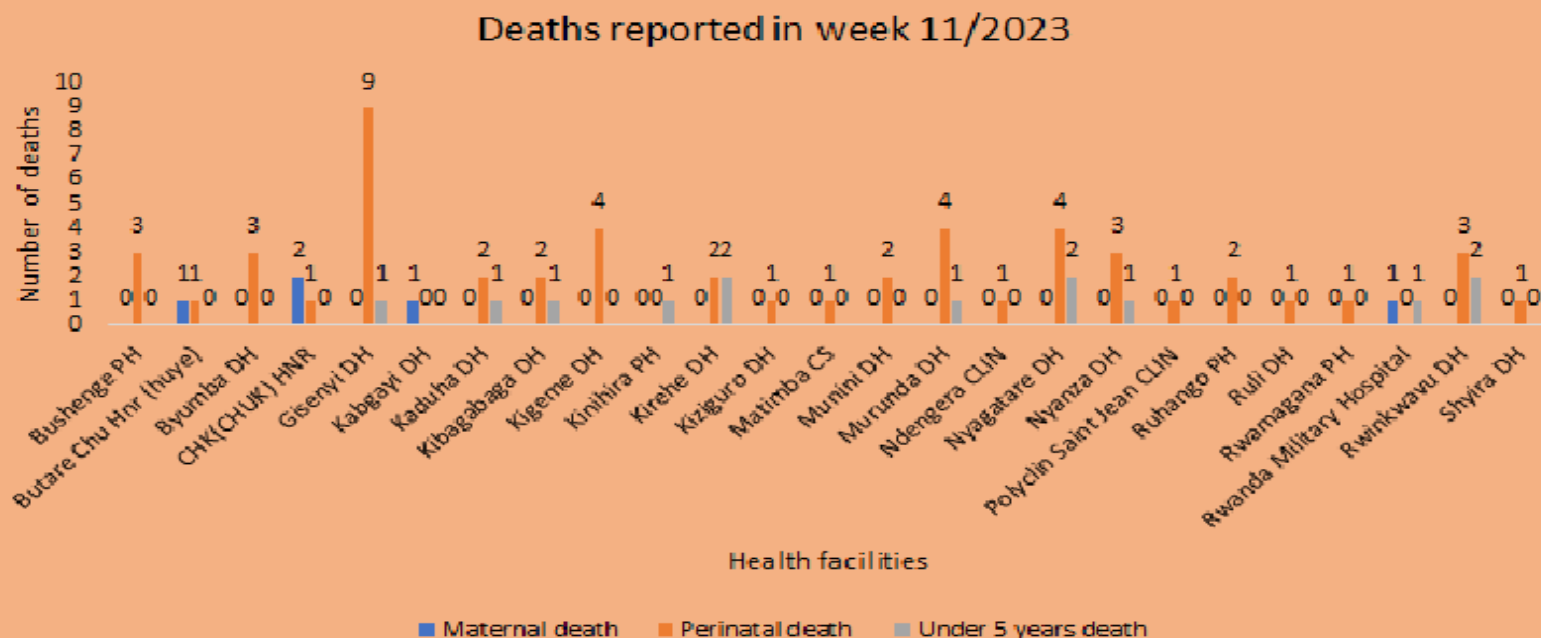


Covid19 cases by district in week 11/2023



Observation: During the week 11/2023, the overall incidence rate of Covid-19 in Rwanda was 0.03 case per 100,000 population. It was less than the previous week (0.1 cases per 100,000 population in week 10). Only Kigali City, and Karongi districts reported Covid19 cases.

SUMMARY OF DEATHS REPORTED THROUGH e-IDSR (Wk 11/2023)



Deaths reported in week 11/2023:

- Perinatal deaths had a highest number: 52, especially in Gisenyi DH (9 deaths).
- Under 5 years: 13
- maternal death: 5

HEALTH FACILITIES THAT DID NOT SUBMIT IDSR WEEKLY REPORT IN WEEK 11/2023

Hospital	Organisation unit name
Nyamata	Bugesera Prison
Rutongo	Burega CS
Kabutare	Mbazi CS
Nyamata	Mwogo CS
Ruhengeri	Nyakinama CS
Kigeme	Nyamagabe Prison
Ruli	Ruli DH
Butaro	Rusasa CS
Kinyinya	Tare CS

SURVEILLANCE(e-CBS) IN e-IDSR FOR WEEK 11/2023

In epidemiological week 11/2023, no event was reported in eCBS.