

WEEKLY EPIDEMIOLOGICAL BULLETIN

Week 06: 06th Jan to 12th Feb 2023

Released on: 16th 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

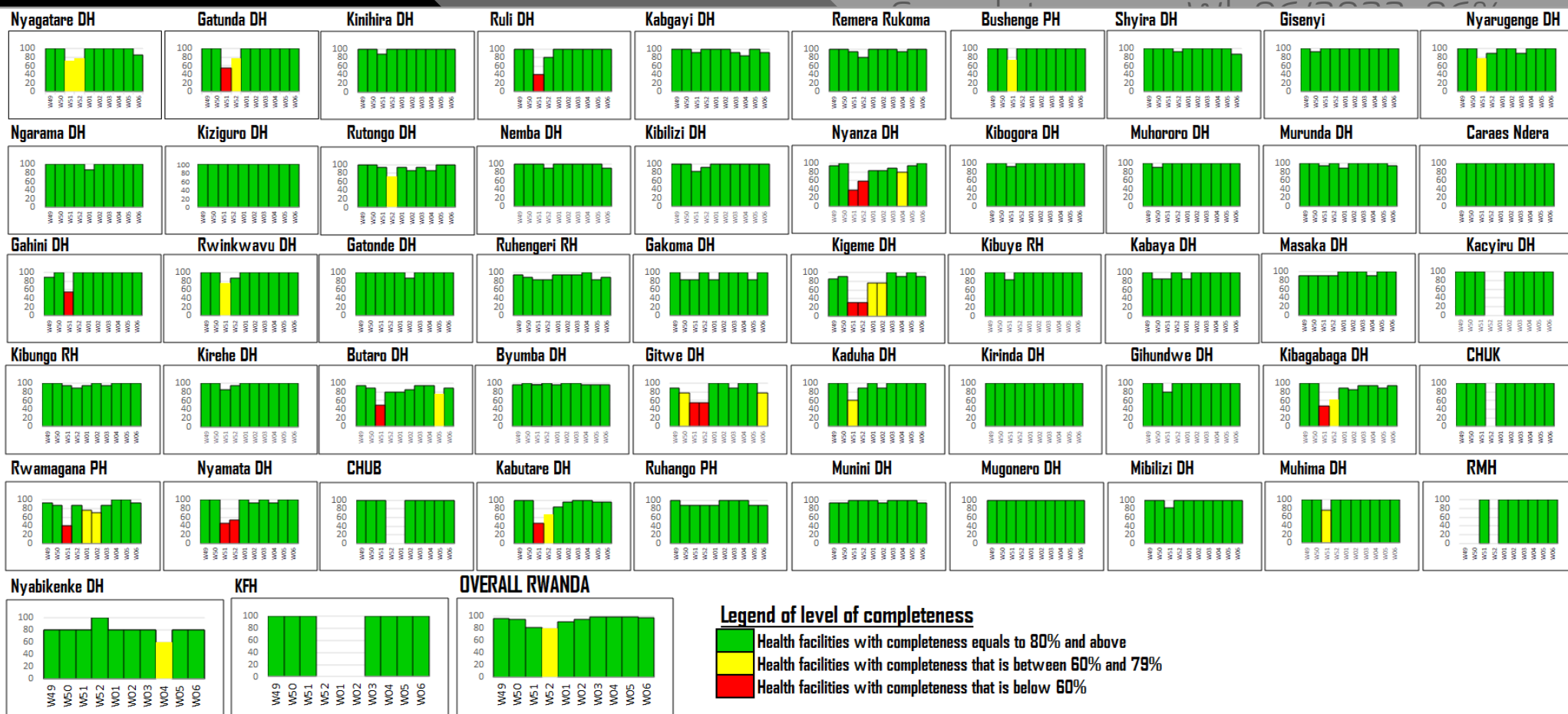
Overview

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 49/2022 – Wk 06/2023)



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

Observation: During this week 06/2023, the overall IDSR reports completeness was 96%. However, Gitwe 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: Wk49/2022 – Wk06/2023)

OVERALL

RWANDA

Timeliness – Wk 06/2023: 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%): Kabgayi, Gakoma, Gitwe DH, and Rwanda military hospital had also a low timeliness (below 60%). These hospitals have to report all required reports on time (on Monday before 12:00).

IDSR WEEKLY REPORTABLE DISEASES – week49/2022 to week 06/2023

Non-Bloody Diarrhea cases

Wk49/2022 –
Wk06/2023: 31,704
Wk06: 3,251

Flu syndrome cases

Wk49/2022 –
Wk06/2023: 158,193
Wk06: 18,426

Malaria cases

Wk49/2022 –
Wk06/2023: 23,783
Wk06: 2,189

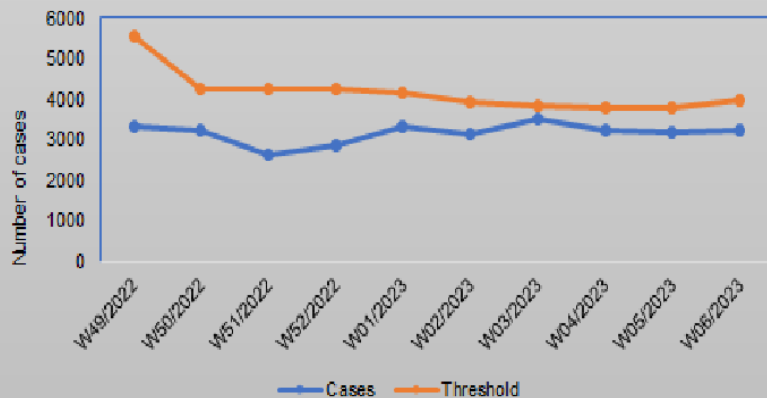
Severe Pneumonia cases

Wk49/2022 –
Wk06/2023: 4,021
Wk06: 522

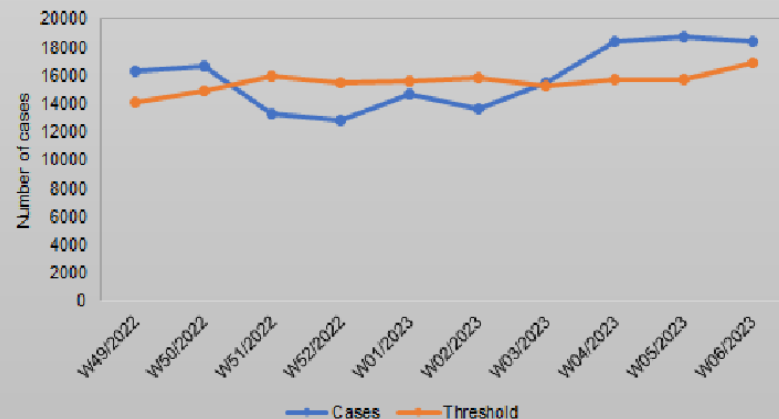
Rabies exposure (Dog bite) cases:

Wk49/2022 –
Wk06/2023: 233
Wk06: 25

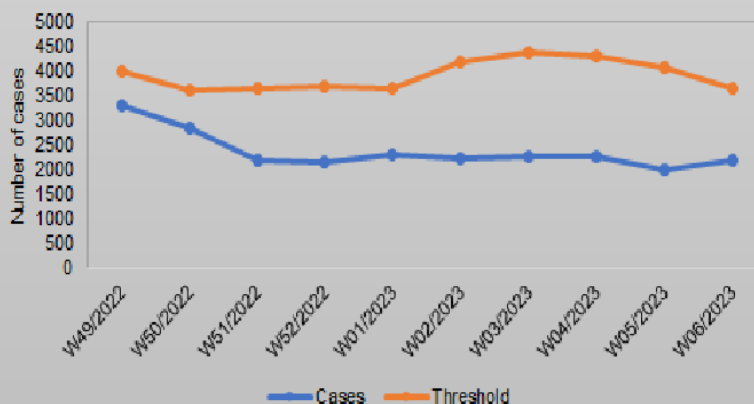
Trend of Non Bloody Diarrhea cases for under 5 years old
(Wk49/2022 - Wk06/2023)



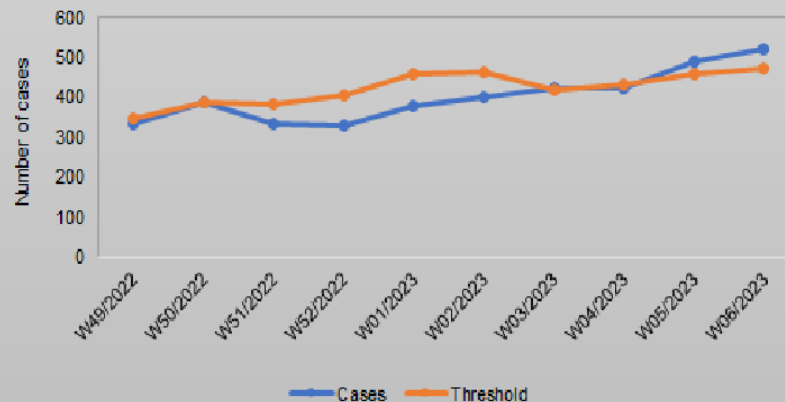
Trend of Flu syndrome cases in Rwanda
(Wk49/2022 - Wk06/2023)



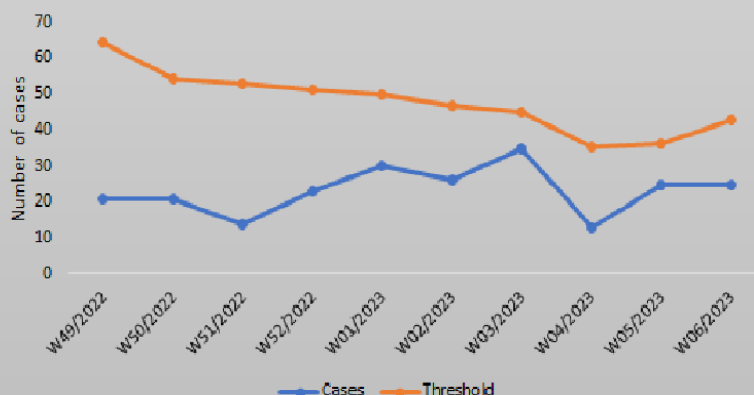
Trend of Malaria cases in Rwanda
(Wk49/2022 - Wk06/2023)



Trend of Severe Pneumonia cases in Rwanda
(Wk49/2022 - Wk06/2023)



Rabies exposure cases in Rwanda
(Wk 6, from wk 49/2022 to 06/2023)



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 06/2023, for 8 weekly reportable diseases, data analysis showed that Flu syndrome and Severe Pneumonia crossed the thresholds. Brucellosis and Trypanosomiasis had not any case to report. Further investigation should be conducted for the cases that crossed the thresholds.

IDSR IMMEDIATE REPORTABLE DISEASES

Week 06/2023

HF	Bloody Diarrhea (Shigellosis) Cases	Measles Cases	Rubella Cases	Typhoid Fever Cases	Severe malaria Cases
Agahabwa CS	1	2	0	0	0
Butare Chu Hnr (huye)	0	0	0	1	1
Gakoma CS	1	0	0	0	0
Karambo (gakenke) CS	1	0	0	0	0
Kigeme DH	0	0	0	0	2
Kigoma CS	3	0	0	0	0
Kirehe DH	0	0	0	0	1
Masaka CS	0	1	0	0	0
Murunda DH	0	0	0	0	1
Mushaka CS	0	0	0	0	1
Muyunzwe CS	1	0	0	0	0
Nyamata CS	0	1	1	0	0
Nyarurama CS	1	0	0	0	0
Rilima CS	1	0	0	0	0
Rurenge CS	0	1	0	0	0
Rwinkwavu DH	0	0	0	0	1
Ryamanyoni CS	0	0	0	0	1
Total	9	5	1	1	8

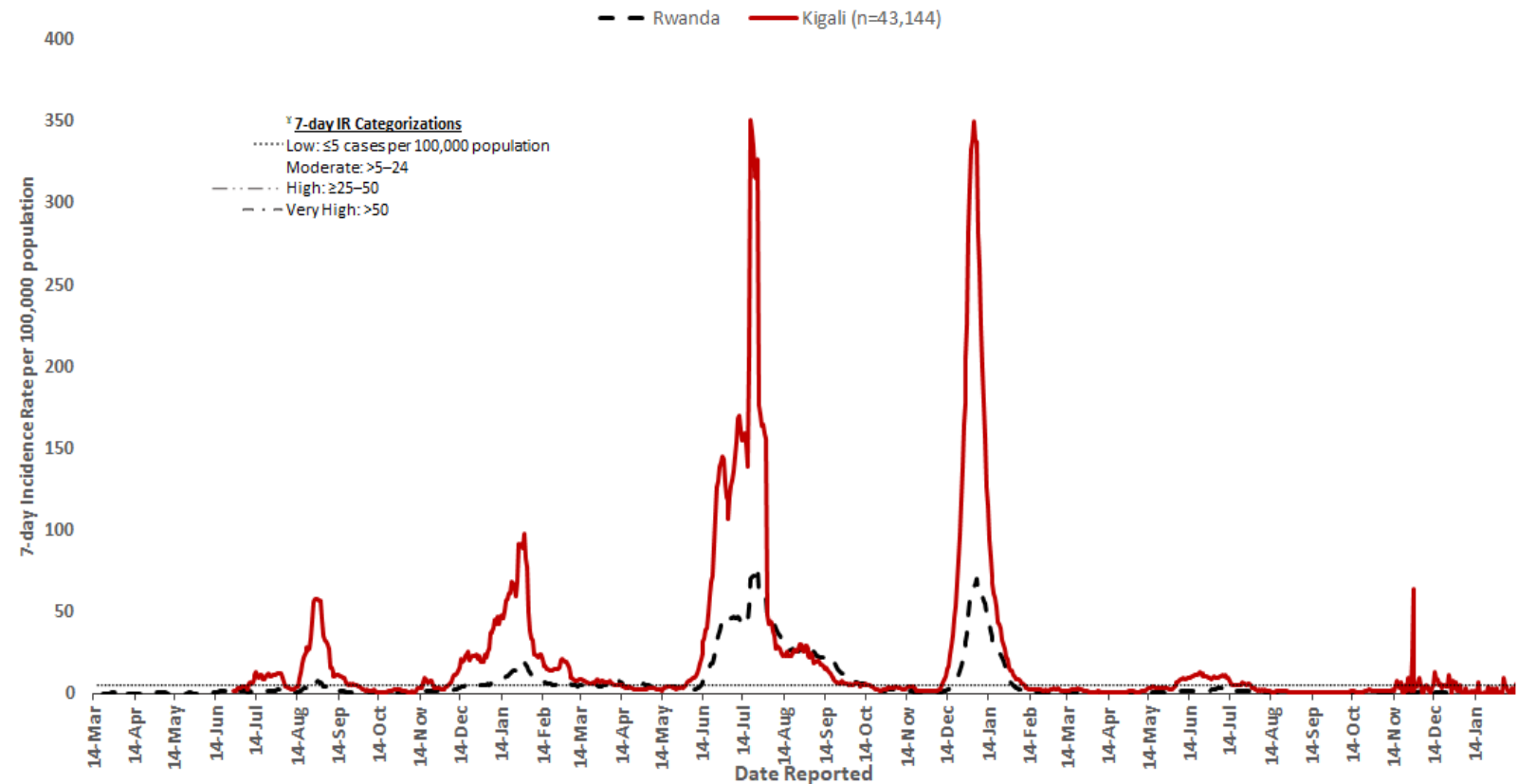
Alerts

Disease	Case	Alert threshold	Recommendations
Severe malaria	8	1 case	Investigate and report as soon as possible

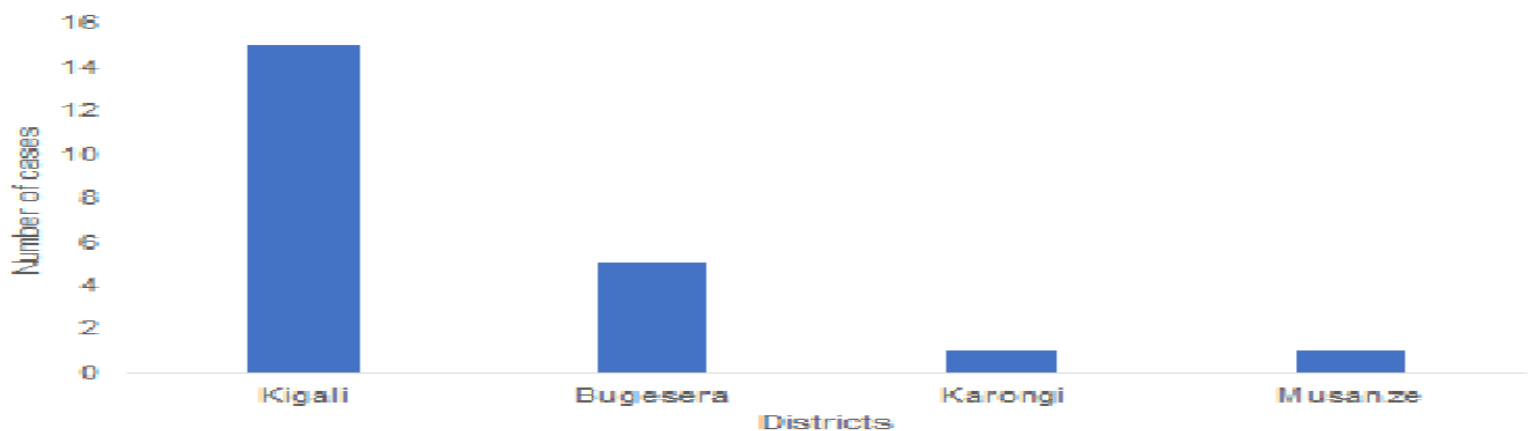
Observation: During week 06/2023, the reported IDSR immediate reportable diseases were Bloody diarrhea, Measles, Typhoid fever and Severe Malaria.

TREND OF INCIDENCE RATE OF COVID-19

COVID-19 Incidence Rate (IR) in Kigali City and Rwanda, March 14, 2020–February 12, 2023

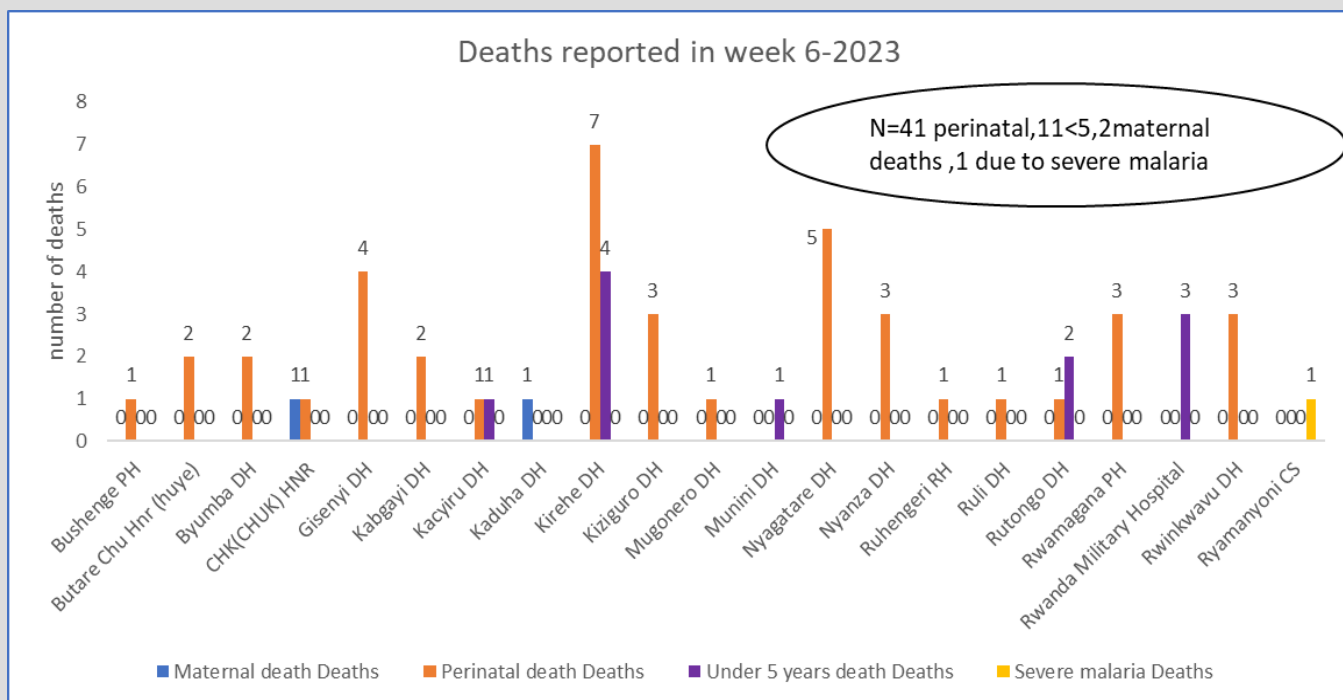


Distribution of cases by district, week 6-2023



Observation: During the week 06/2023, The overall incidence rate of Rwanda was 0.4 case per 100,000 population .It was greater than previous week (0.2 cases per 100,000 population in week 05) Kigali City, Karongi,Bugesera and Musanze districts presented covid19 cases, while other districts did not have any case in week 06.

SUMMARY OF DEATHS REPORTED THROUGH e-IDSR (Wk 06/2023)



In week 06/2023, perinatal deaths had a highest number (41), especially in Kirehe DH(7deaths), 11 deaths of under 5 years, 2 maternal deaths, 1 death due to severe malaria. 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 06/2023

Hospital	Health Facility names
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-IDS FOR WEEK 06/2023

Event date	Village	CEB Event trigger	Sex	Age in years
2/8/2023	Gasumba	DB	-	-
2/10/2023	Gitsimba I	HD	Female	86
2/11/2023	Kigarama	AID	-	-

The events reported and verified in week 6 were 3 including 1 human death, 1 dog bite (the person was referred to the health facility and received vaccine) and animal deaths (a lot number of chickens died in Kigarama village). The verbal autopsy for the deaths should be conducted.