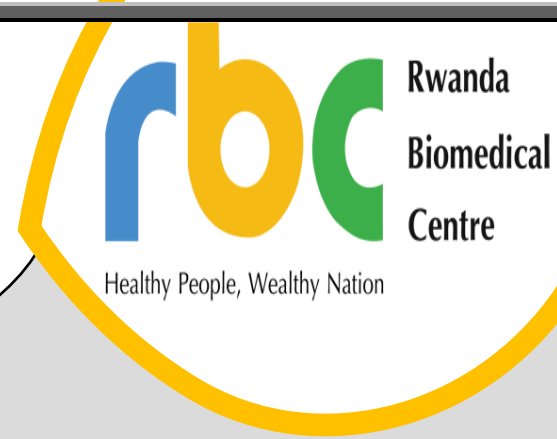


WEEKLY EPIDEMIOLOGICAL BULLETIN

Week 08: 20th to 26th Feb 2023

Released on: 2nd 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

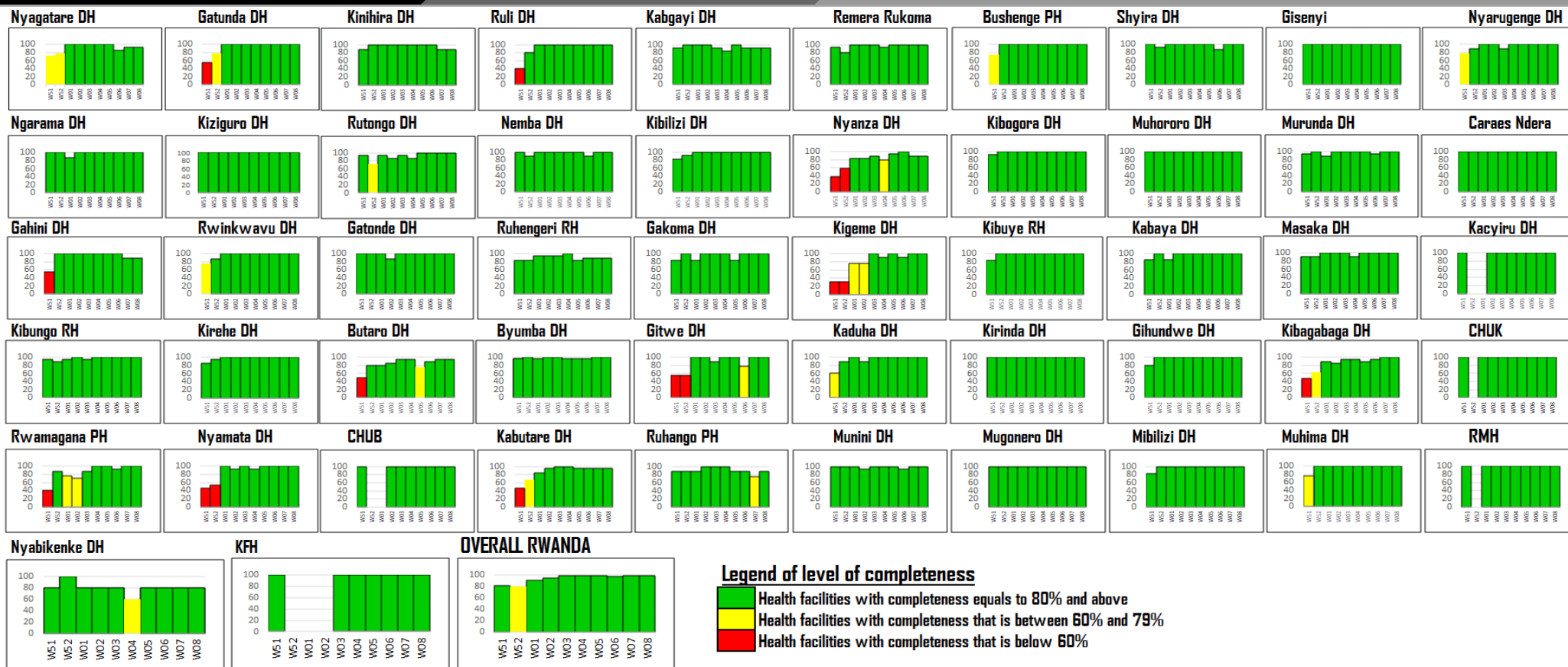
TREND OF IDSR REPORTS COMPLETENESS

(Previous 10 weeks: Wk 51/2022 – Wk 08/2023)

OVERALL

RWANDA

Completeness – Wk 08/2023: 98%



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

Observation: During this week 08/2023, the overall IDSR reports completeness was 98%. All Hospital had a high rate of completeness ($\geq 80\%$), that was to be appreciated and to be maintained.

(Previous 10 weeks: Wk51/2022 – Wk08/2023)

OVERALL

RWANDA

Timeliness – Wk 08/2023: 95%



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 08/2023, the overall IDSR reports timeliness was 95%. However, one hospital had a low rate of timeliness (between 60% and 79%): Gitwe DH while CHUB had a very low rate of timeliness (below 60%). These hospitals have to report all required reports on time (on Monday before 12:00).

IDSR WEEKLY REPORTABLE DISEASES – week51/2022 to week 08/2023

Non-Bloody Diarrhea cases

Wk51/2022 –
Wk08/2023: 32,279
Wk08: 3,492

Flu syndrome cases

Wk51/2022 –
Wk08/2023:
160,309
Wk08: 16,571

Malaria cases

Wk51/2022 –
Wk08/2023: 25,585
Wk08: 1,902

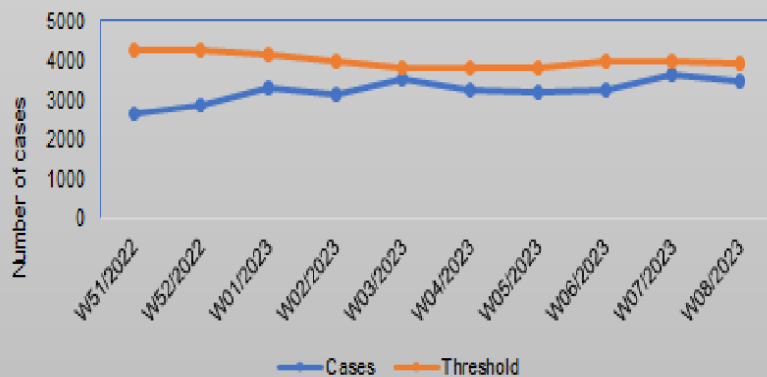
Severe Pneumonia cases

Wk51/2022 –
Wk08/2023: 3,847
Wk08: 455

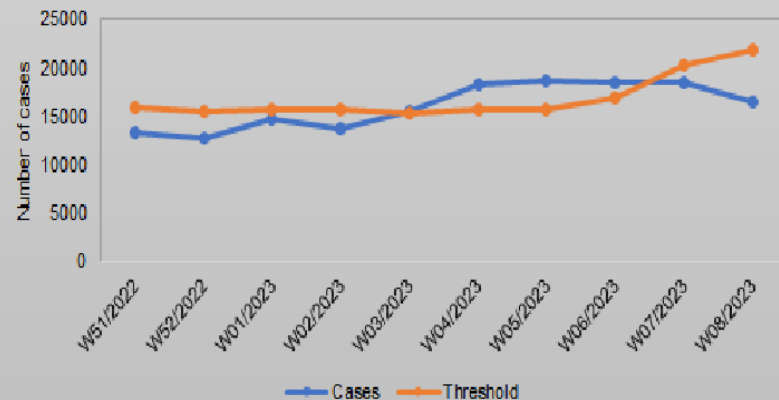
Rabies exposure (Dog bite) cases:

Wk51/2022 –
Wk08/2023: 235
Wk08: 21

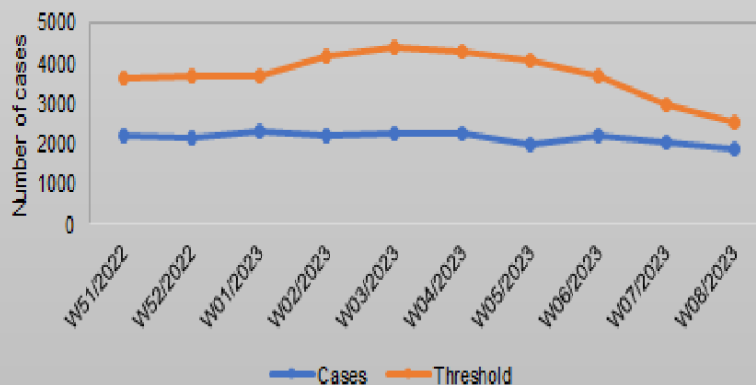
Trend of Non Bloody Diarrhea cases for under 5 years old (Wk51/2022 - Wk08/2023)



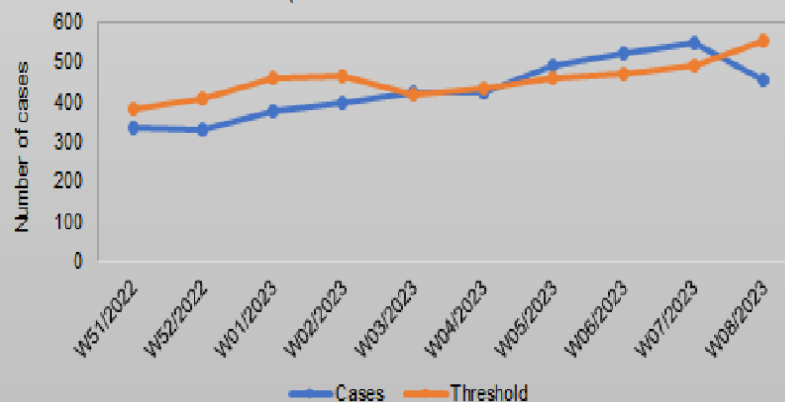
Trend of Flu syndrome cases in Rwanda (Wk51/2022 - Wk08/2023)



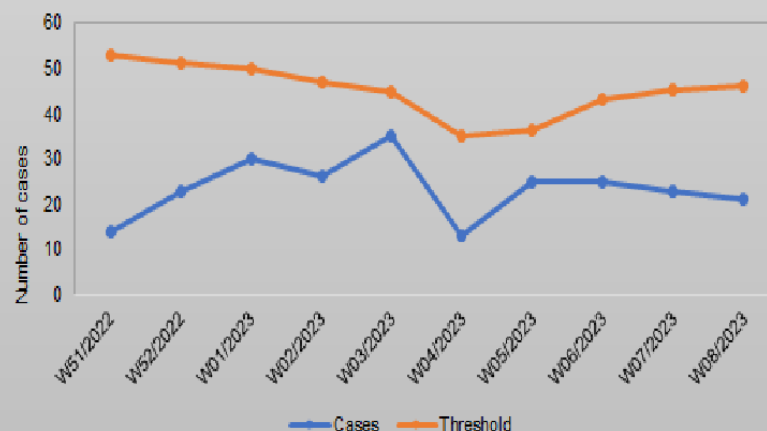
Trend of Malaria cases in Rwanda (Wk51/2022 - Wk08/2023)



Trend of Severe Pneumonia cases in Rwanda (Wk51/2022 - Wk08/2023)



Rabies exposure(dog bite) in Rwanda wk 51/2022 to wk 08/2023



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 08/2023, 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 08/2023

HF	Bacterial Meningitis	Bloody Diarrhea (Shigellosis)	Cholera	Measles	Typhoid Fever
Baraka Medical Clin	0	0	0	0	2
Butare Chu Hnr (huye)	2	0	0	0	1
Cyivugiza (Nyamasheke) CS	0	0	0	1	0
Gakoma CS	0	1	0	0	0
Gisenyi DH	0	0	4	0	0
Karama (Kamonyi) CS	0	1	0	0	0
Karambo (gakenke) CS	0	1	0	0	0
Kibondo CS	0	3	0	0	0
Kigoma CS	0	2	0	0	0
Kitabi CS	0	1	0	0	0
Mbuga CS	0	1	0	0	0
Mibilizi CS	0	0	0	1	0
Mugonero DH	0	0	3	0	0
Nyarusiza CS	0	1	0	0	0
Polyclinic la Medicale de Rubavu	0	0	0	0	2
Rilima CS	0	1	0	1	0
Ruhuha CS	0	0	0	1	0
Rukoma Sake CS	0	1	0	0	0
Sainte Immaculee Clin	0	0	0	0	4
Total	2	13	7	4	9

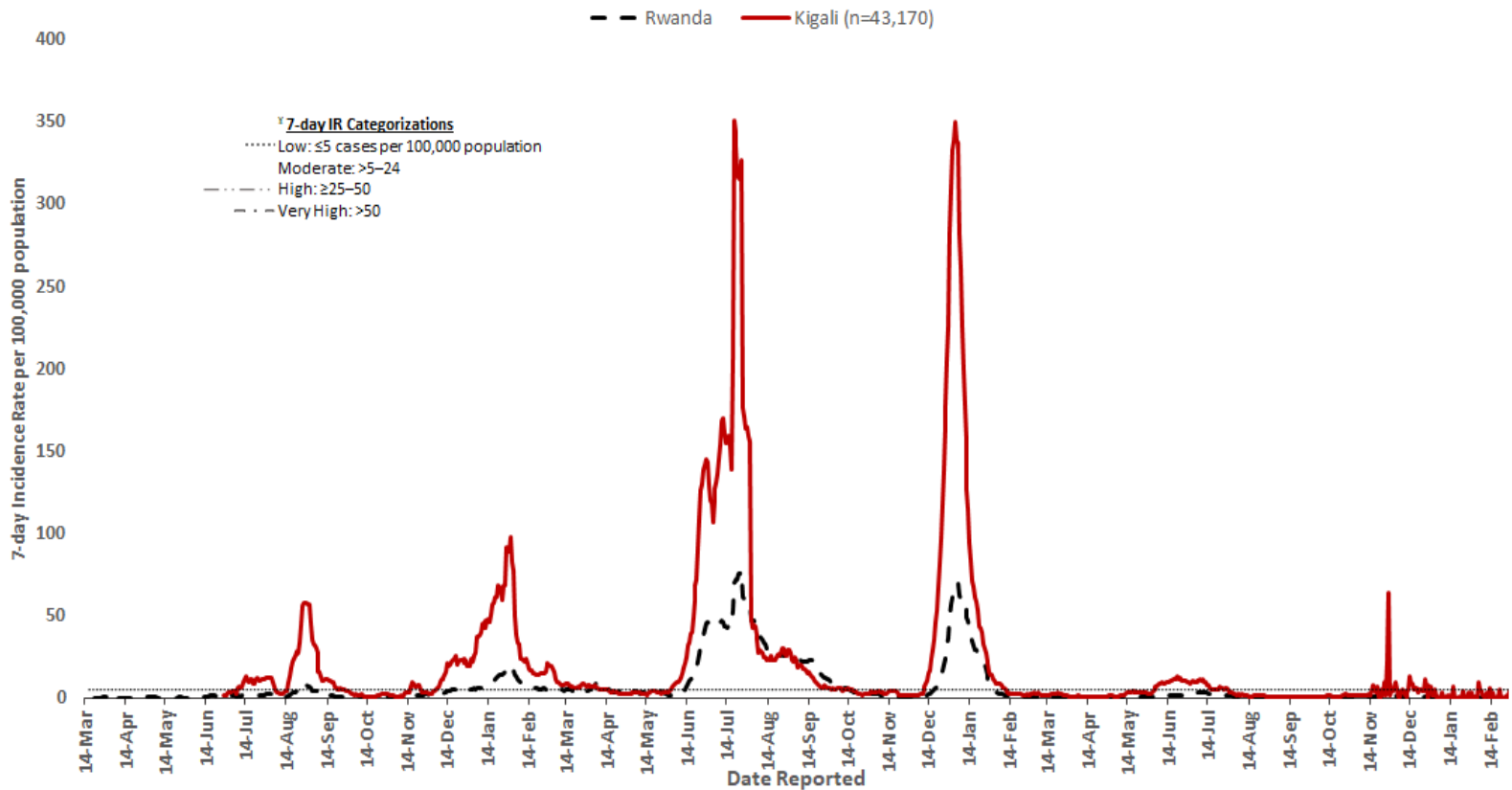
Alerts

Observation: During week 08/2023, the reported IDSR immediate reportable diseases were Bacterial Meningitis, Bloody diarrhea, Measles, Cholera and Typhoid fever.

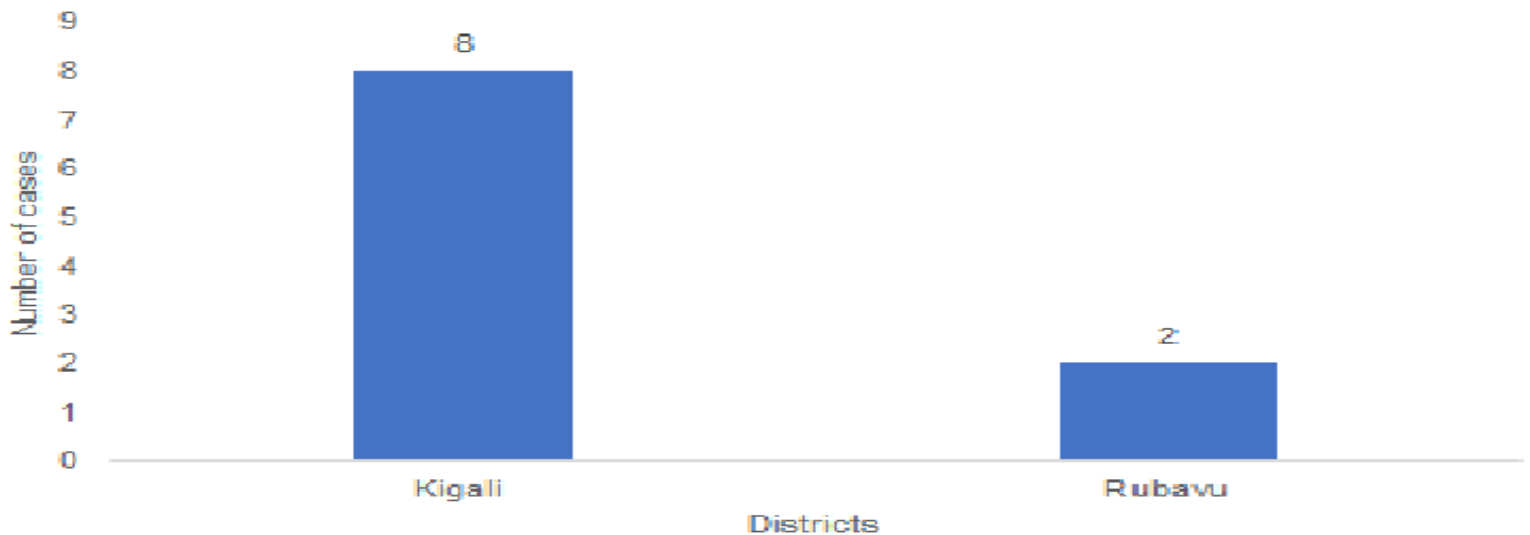
Disease	cases	Alert threshold	Recommendations
Cholera	7	1suspected	Investigation was ongoing

TREND OF INCIDENCE RATE OF COVID-19

COVID-19 Incidence Rate (IR) in Kigali City and Rwanda, March 14, 2020–February 26, 2023

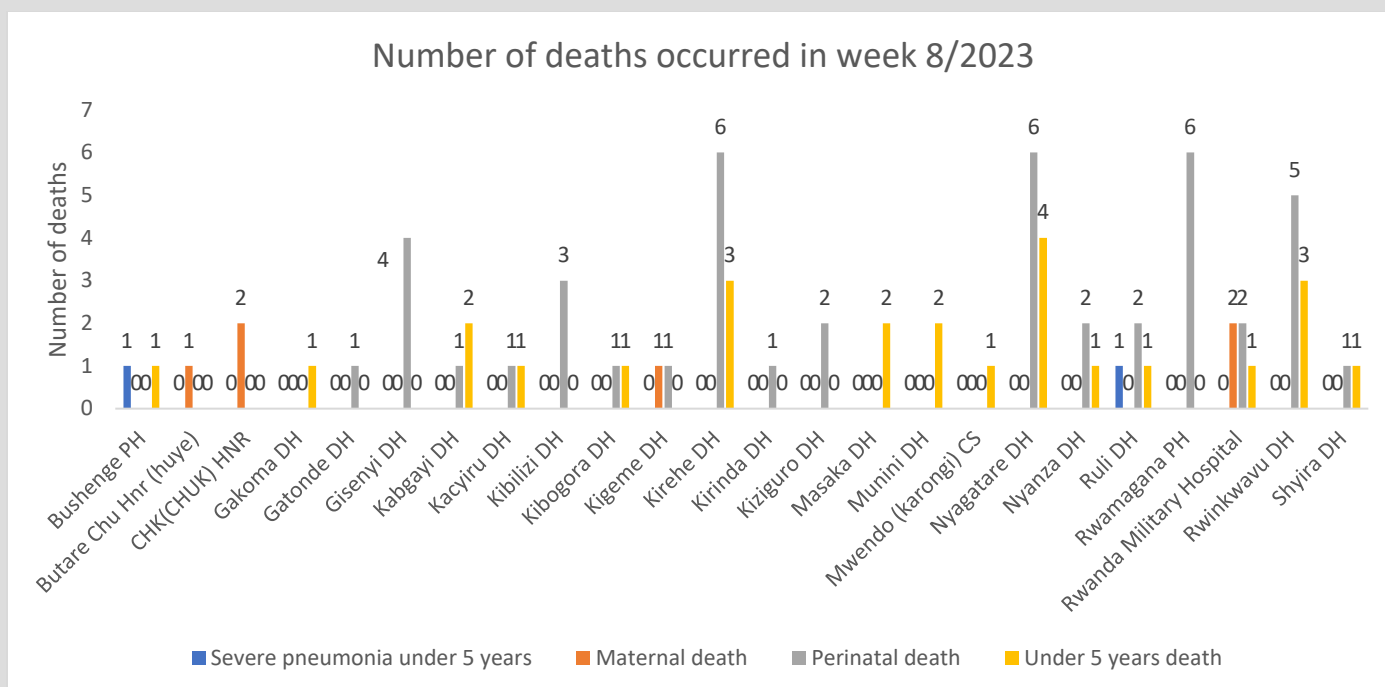


Covid19 cases occurred in week 8/2023



Observation: During the week 08/2023, 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 07) Kigali City and Rubavu district presented covid19 cases, while other districts did not have any case in week 08.

SUMMARY OF DEATHS REPORTED THROUGH e-IDSR (Wk 08/2023)



In week 08/2023, perinatal deaths had a highest number (45), especially in Rwamagana PH, Kirehe and Nyagatare DH (6 deaths for each one), 25 deaths of under 5 years, 6 maternal deaths and 2 due to severe pneumonia. The audit should be conducted in health facilities for determining the cause of those deaths and elaborate recommendations for reducing preventable deaths.

HEALTH FACILITIES THAT DID NOT REPORT IN e-IDSR FOR WEEK 08/2023

Hospital	Organisation unit name
Butaro	Gatebe CS
Nyabikenke	Gitega (kibangu) CS
Kabutare	Kabutare DH
Ruhango	Kizibere CS
Nyanza	Mucubira CS
Ruhengeri	Musanze Prison
Nyanza	Ntyazo CS
Nyagatare	Nyakigando (Nyagatare) CS
Ruhengeri	Nyakinama CS
Kabgayi	Rugendabali CS
Ruhango	Ruhango PH
Gahini	Rutare (kayonza) CS
Kinihira	Tare CS

TRUE EVENTS REPORTED IN COMMUNITY BASED SURVEILLANCE(e-CBS) IN e-IDSr FOR WEEK 08/2023

Event date	Village	CBS Event trigger	Sex	Age in years
2/20/2023	Kibuye	HD	Male	70
2/21/2023	Rutenderi	HD	Male	45

There were 2 events reported and verified in week 8, including 2 human deaths occurred in two villages.