

# WEEKLY EPIDEMIOLOGICAL BULLETIN

**Week 13: From 27<sup>th</sup> March to 2<sup>nd</sup> April 2023**

Released on: 6<sup>th</sup> April 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.

### 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
- ☞ Key highlights of the week
- ☞ COVID-19 situation

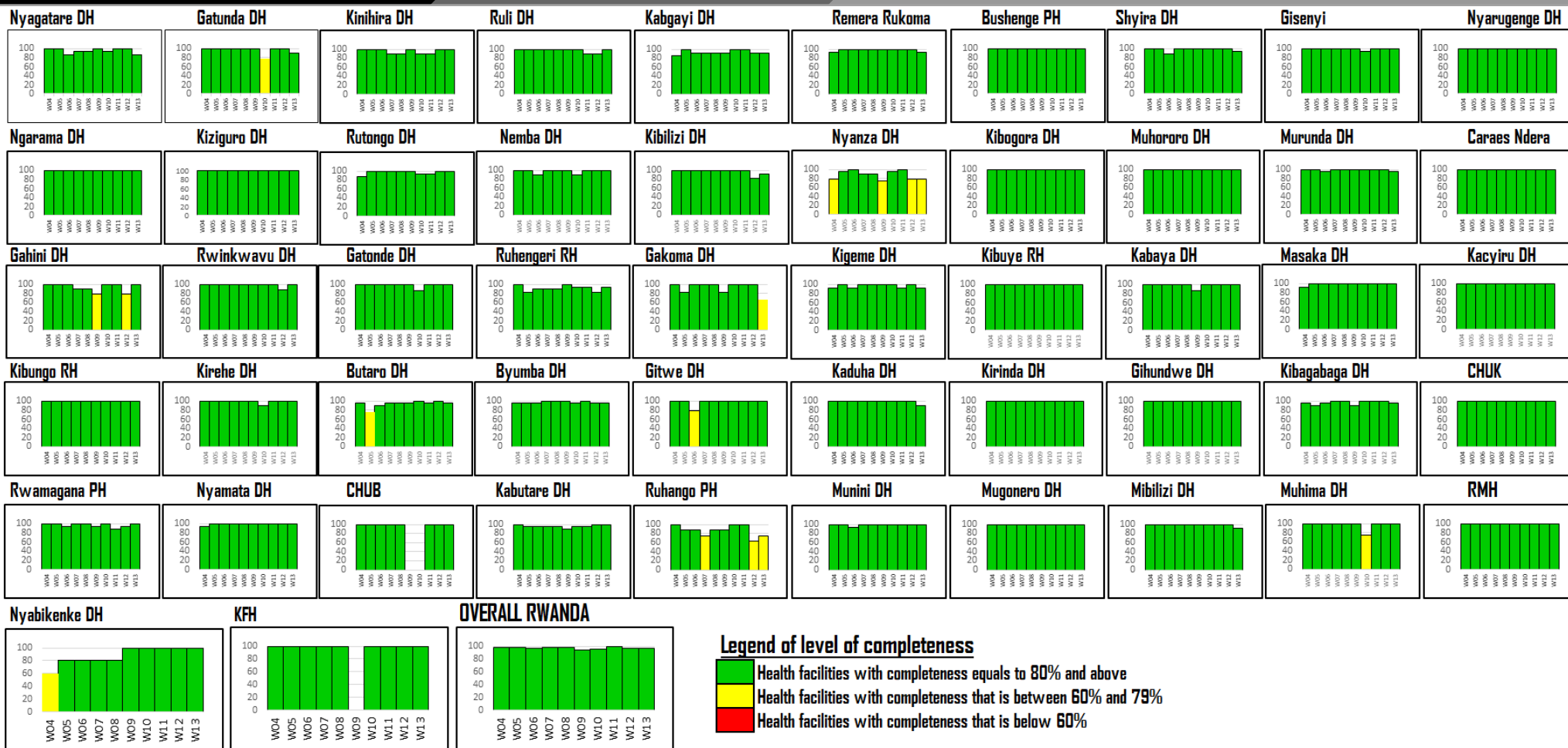
# TREND OF IDSR REPORTS COMPLETENESS

(Previous 10 weeks: Wk 04-Wk 13/2023)

## OVERALL

## RWANDA

Completeness – Wk 13/2023: 96%



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

**Observation:** During the week 13/2023, the overall IDSR reports completeness was 96%. However, Nyanza and Gakoma DHs as well as Ruhango PH had a low reporting completeness (between 60% and 79%). Other hospitals had a good reporting rate of completeness (equals and above 80%). The hospitals with a low reporting completeness are recommended to submit all required reports.

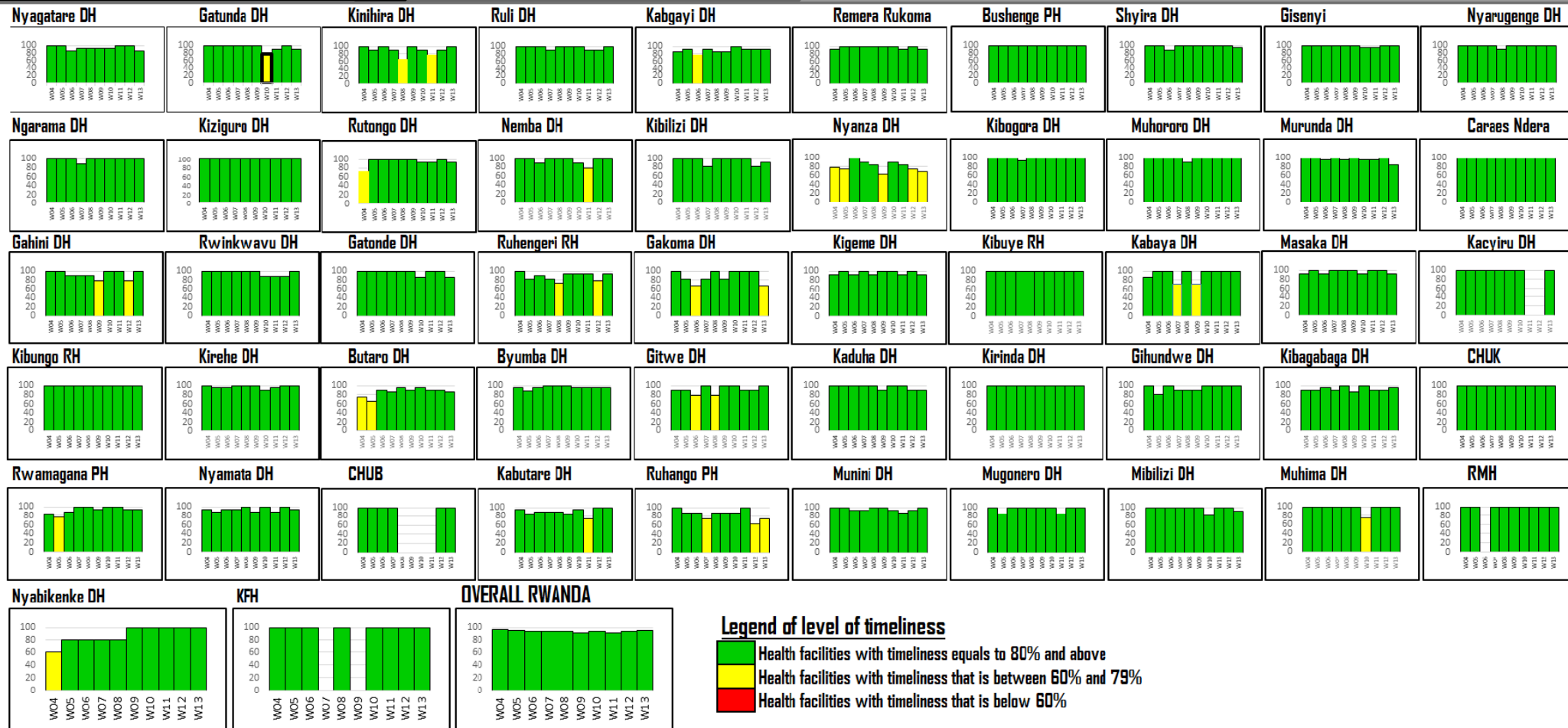
# TREND OF IDSR REPORTS TIMELINESS

(Previous 10 weeks: Wk 04- Wk13/2023)

OVERALL

RWANDA

Timeliness – Wk 13/2023: 94%



**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 13/2023, the overall IDSR reports timeliness was 94%. However, Nyanza Gakoma DHs as well as Ruhango PH had a low reporting timeliness (ranging between 60% and 79%), while other hospitals had a good reporting rate of timeliness (equals or above 80%). The hospitals with a low reporting timeliness are recommended to submit on time all required reports (Monday before 12:00)

# IDSR WEEKLY REPORTABLE DISEASES

## week 04 to week 13/2023

### Non-Bloody

### Diarrhea cases

Wk04 – Wk13/2023:

33,797

Wk13: 3,495

### Flu syndrome cases

Wk04 – Wk13/2023:

165,251

Wk13: 13,846

### Malaria cases

Wk04 – Wk13/2023:

20,741

Wk13: 2,328

### Severe Pneumonia

cases

Wk04 – Wk13:

4,663

Wk13: 426

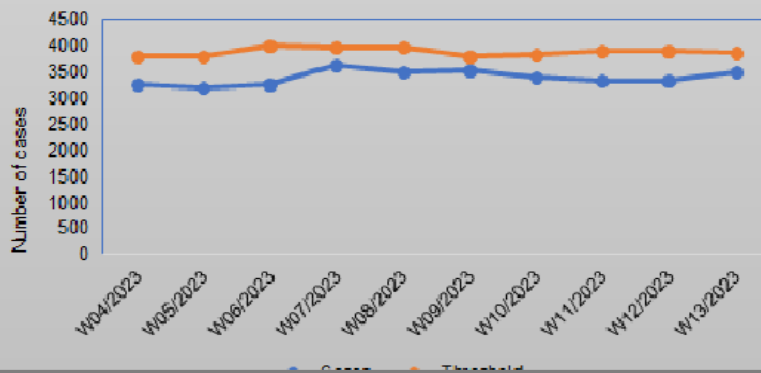
Rabies exposure (Dog bite) cases:

Wk04 – Wk13/2023:

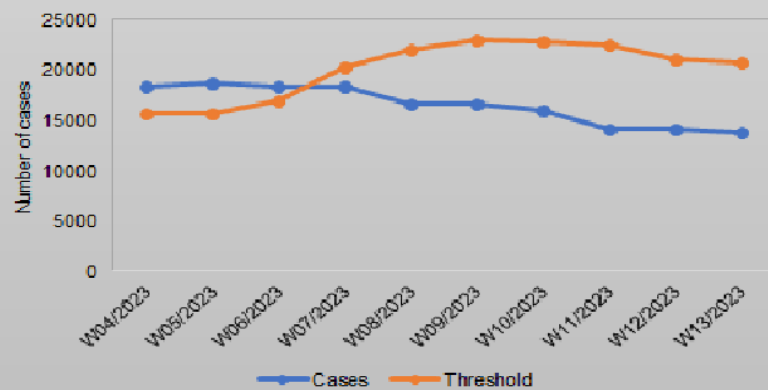
253

Wk13: 45

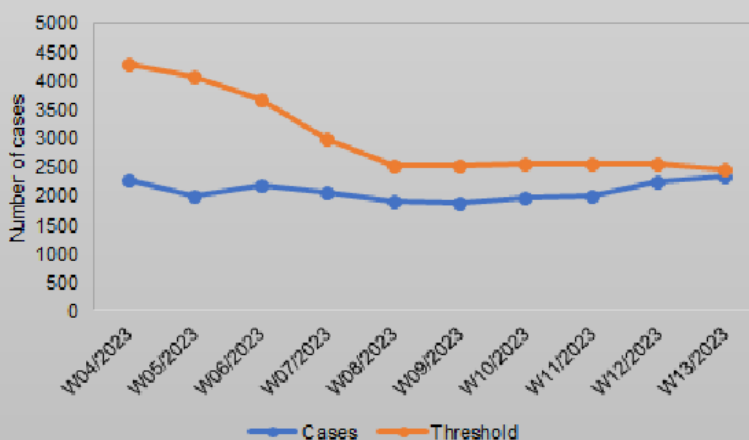
Trend of Non Bloody Diarrhea cases for under 5 years old (week 04-13/2023)



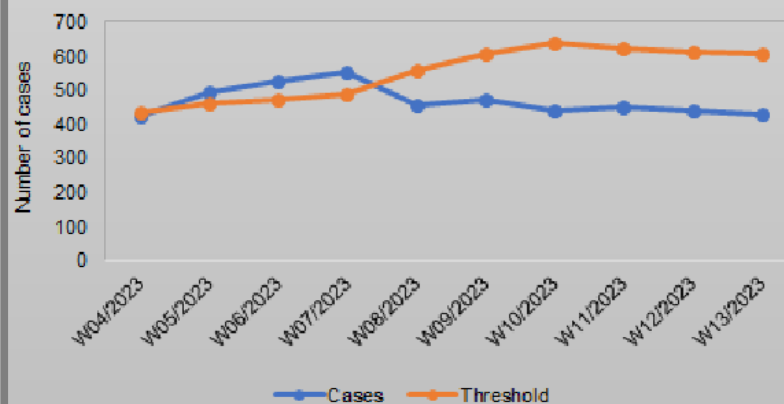
Trend of Flu syndrome cases in Rwanda (Wk 04-13/2023)



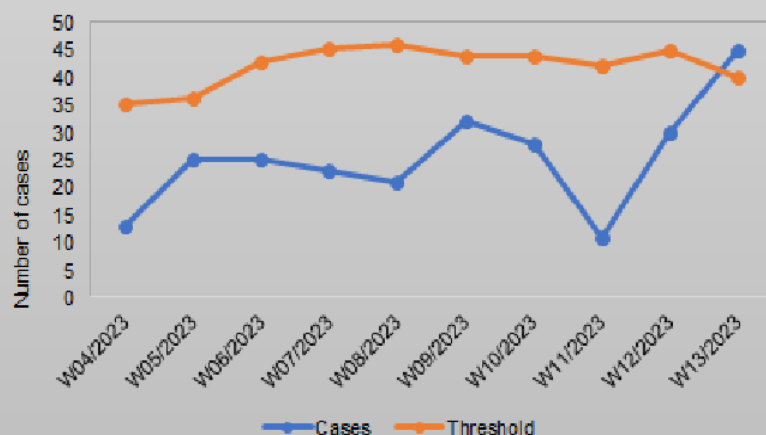
Trend of Malaria cases in Rwanda (week 04-13/2023)



Trend of Severe Pneumonia cases in Rwanda (week 04-13/2023)



Rabies exposure(dog bite) in Rwanda week 04 to 13/2023



During the week 13/2023, Rabies exposure disease crossed the thresholds. However, the trend of malaria showed an increase of cases in this week, compared with the previous weeks, and that required a particular monitoring. No case reported for Brucellosis and Trypanosomiasis.

# IDSR IMMEDIATE REPORTABLE DISEASES

## Week 13/2023

Hospital	Health facility name	Acute Flaccid Paralysis	Bacterial Meningitis	Bloody Diarrhea (Shigellosis)	Cholera	Measles	Rubella	Typhoid Fever	Severe malaria
Kirehe	Baraka Medical Clin	0	0	0	0	0	0	1	0
Nyarugenge	Biryogo CS	0	0	3	0	0	0	0	0
Kabutare	Butare Chu Hnr (huye)	0	2	0	0	0	0	0	0
Nyarugenge	CHK(CHUK) HNR	0	1	0	0	0	0	0	0
Butaro	Cyanika (burera) CS	0	0	0	0	0	0	0	2
Masaka	Gahanga CS	0	0	0	0	0	0	0	1
Gakoma	Gakoma CS	0	0	1	0	0	0	0	0
Masaka	Gikondo (0103) CS	0	0	0	0	0	0	0	1
Gisenyi	Gisenyi CS	1	0	0	0	0	0	0	0
Nemba	Karambo (gakenke) CS	0	0	1	0	0	0	0	0
Kibogora	Kibogora DH	0	0	0	2	0	0	0	0
Kigeme	Kigeme CS	0	0	0	0	1	0	0	0
Kirehe	Mahama Refugee Camp HC	0	0	0	0	5	0	0	0
Kirehe	Mahama Refugee Camp II HC	0	0	0	0	1	0	0	0
Gihundwe	Mont Cyangugu CS	0	0	0	0	2	0	0	0
Butaro	Mucaca CS	0	0	0	0	1	0	0	0
Kabgayi	Mushishiro CS	1	0	0	0	0	1	0	0
Rwamagana	Muyumbu CS	0	0	1	0	0	0	0	0
Mibilizi	Nkungu CS	0	0	1	0	0	0	0	0
Nyanza	Nyabinyenga CS	0	0	1	0	0	0	0	0
Kigeme	Nyamagabe CS	0	0	0	0	3	0	0	0
Shyira	Rambura CS	0	0	1	0	0	0	0	0
Kibuye	Rugabano CS	0	0	2	0	0	0	0	0
Kibungo	Rukira CS	0	0	0	0	2	0	0	0
Rwamagana	Rwamagana PH	0	0	0	0	0	0	0	1
	Total	2	3	11	2	15	1	1	5

### Alerts

Disease	Case	Alert threshold	Recommendations
AFP	2	1 case per week	Verify, investigate and report as soon as possible
Severe malaria	5	1 case	Verify, investigate and report as soon as possible
Cholera	2	1 suspected case	Verify, investigate and report as soon as possible

**Observation:** During the week 13/2023, cases of immediate reportable diseases (IRD) notified include: Acute Flaccid Paralysis (AFP), Bacterial meningitis, Bloody diarrhea, Measles/Rubella, Cholera, Typhoid fever and severe malaria. Except severe malaria, other cases were suspected; samples were taken and sent to NRL for testing.

# Key highlights in week 13/2023

## ONGOING OUTBREAKS

### I. In Rwanda

#### 1. Measles outbreak in Rubavu and Kirehe districts:

- In Epi week 13, measles outbreaks were still ongoing in Rubavu and Kirehe districts.
  - In Rubavu District, no additional case was confirmed during the Epi week 13. As of 2<sup>nd</sup> April 2023; 23 measles cases have been identified including 8 cases laboratory confirmed and 15 cases confirmed by epidemiological link.
  - In Kirehe district, 10 additional cases were identified in Mahama Refugee camp by epidemiological link and only 4 among 10 new cases were vaccinated for measles. As of 2<sup>nd</sup> April 2023, the district totalizes 39 measles cases. Eight (8) cases are laboratory confirmed and 31 cases are confirmed by epidemiological link.

#### 2. Cholera outbreak in Nyamasheke and Karongi district:

- Since 27th February 2023, the Cholera outbreak is ongoing in Kibogora DH catchment area. During the Epi week 13; two (2) new suspected cases were identified samples were taken and sent to NRL. As of 2<sup>nd</sup> April 2023; 7 cholera confirmed cases were identified at Kibogora DH area.
- Karongi district: 2 additional suspect cases were identified in Kibuye RH in the previous week. Both cases were admitted in the hospital. They were treated and recovered.

## Actions taken to respond to the outbreaks .

#### - *For Measles outbreaks*

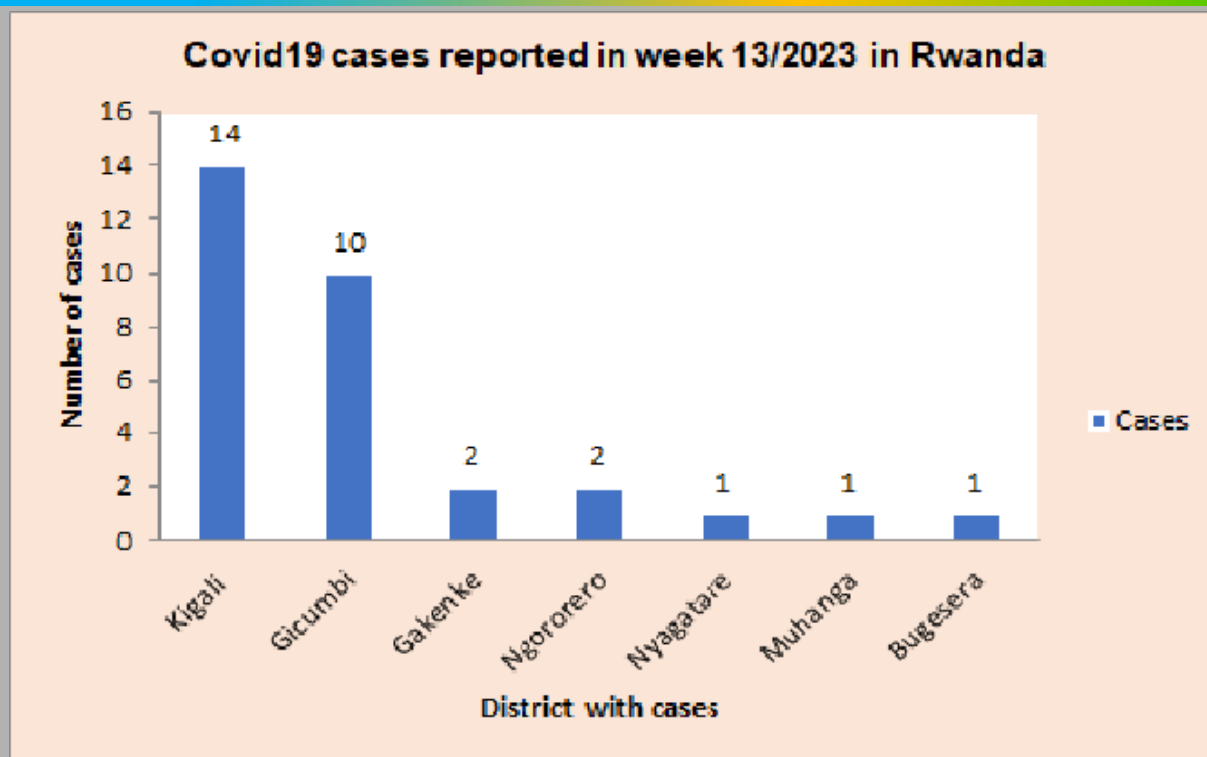
- Continuous active cases search,
- Case management of patients (treatment, isolation),
- measles vaccination campaign

#### *For Cholera outbreak*

- Community sensitization for hygiene and sanitation



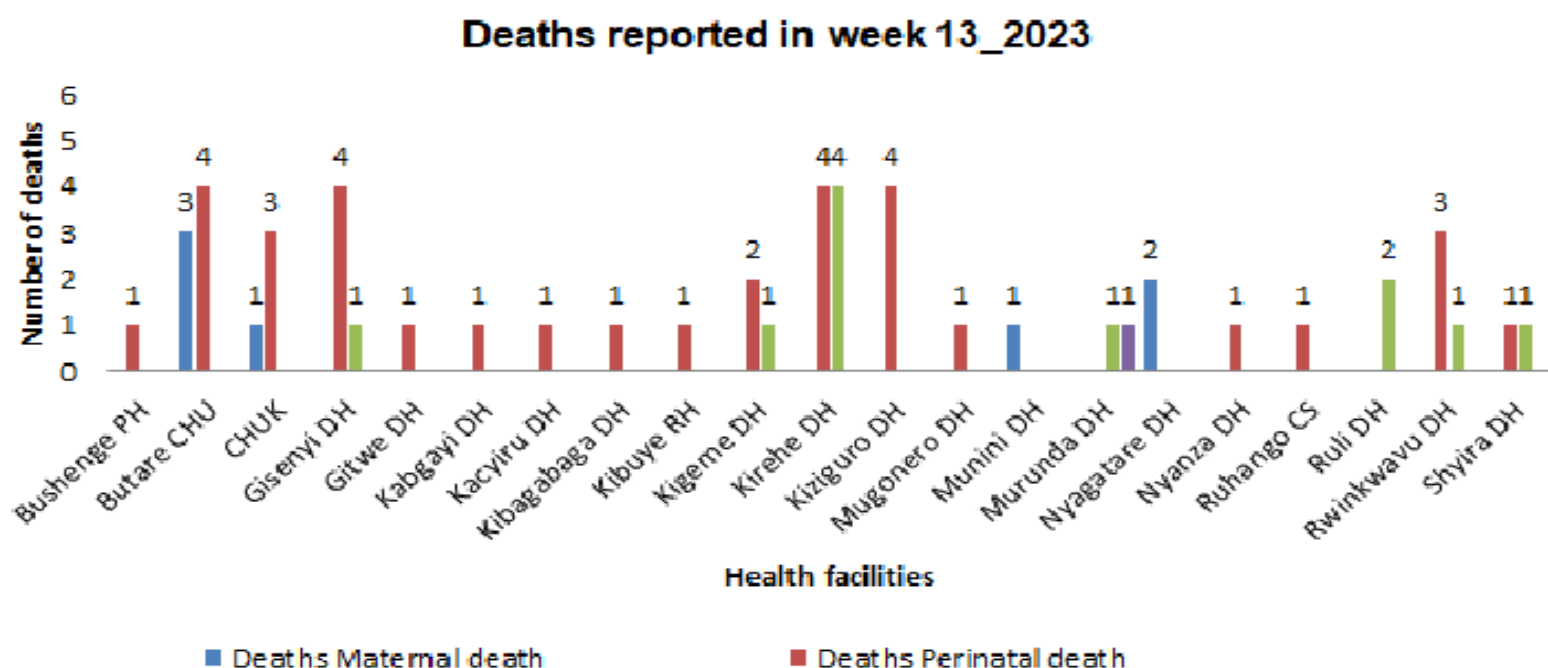
# TREND OF INCIDENCE RATE OF COVID-19 in week 13/2023



In the last 7 days (from 27<sup>th</sup> March to 2<sup>nd</sup> April 2023), 31 Covid19 cases were detected countrywide with a positivity rate of 0.3% compared to 5 positive cases that were detected last week with a positivity rate of 0.08%. This shows an increase in cases in the previous 7 days.

Total Covid-19 cases: 133.251 (31 new cases: 23 asymptomatic cases and 8 symptomatic cases). Kigali City had a highest number of cases: 14, secondary, Gicumbi district:10 cases.

## SUMMARY OF DEATHS REPORTED THROUGH e-IDSr (Week 13/2023)



During the week 13; Perinatal deaths had a highest number: 34. There were 11 under 5 years deaths; 7 Maternal deaths, 1 death due to severe pneumonia < 5. Death audit is recommended

## COMMUNITY BASED SURVEILLANCE (e-CBS) IN e-IDSR FOR WEEK

In epidemiological week 13/2023, no event was reported in (electronic community case based surveillance (eCBS) .

## HEALTH FACILITIES THAT DID NOT SUBMIT IDSR WEEKLY REPORT IN WEEK 13/2023

Hospital	Health facility name
Byumba	Byumba DH
Gatunda	Cyondo CS
Nyanza	Gahombo CS
Kabgayi	Gikomero (Kabgayi) CS
Gakoma	Gikonko (Gisagara) CS
Nyanza	Hanika I (NYANZA) CS
Murunda	Iwawa CS
Kibagabaga	Kayanga CS
Kibilizi	Kibilizi DH
Ruhango	Kinazi CS
Nyagatare	Matimba CS
Remera Rukoma	Mugina CS
Kaduha	Mushubi CS
Nyanza	Mututu CS
Butaro	Ntaruka (kinoni Burera) CS
Nyagatare	Nyakigando (Nyagatare) CS
Kigeme	Nyamagabe Prison
Nyanza	Nyamure CS
Ruhango	Ruhango PH
Ruhengeri	Ruhengeri RH
Shyira	Rurembo CS
Gakoma	Save CS