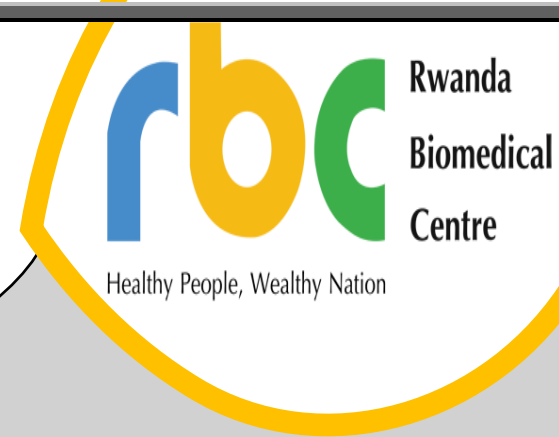


WEEKLY EPIDEMIOLOGICAL BULLETIN



Week 10: From 6th to 12th March 2023

Released on: 16th 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

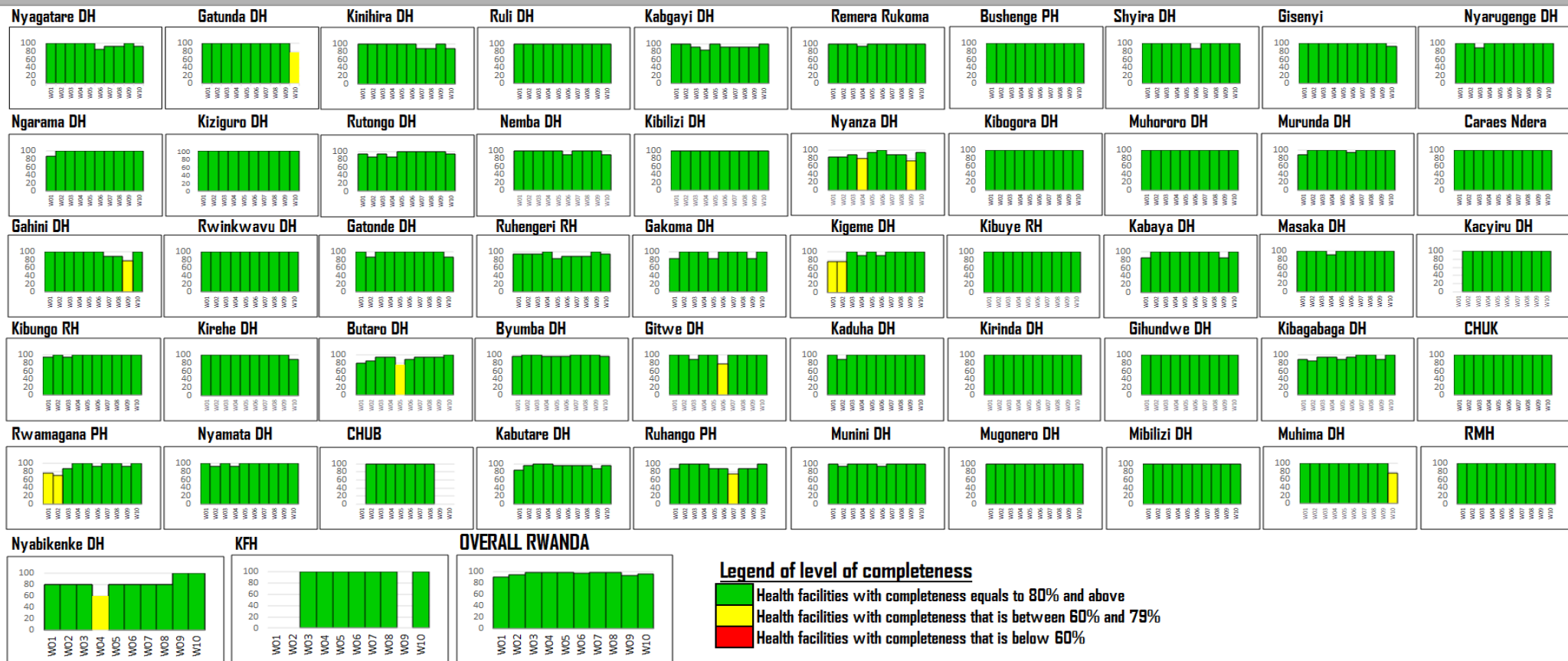
TREND OF IDSR REPORTS COMPLETENESS

(Previous 10 weeks: Wk 01-Wk 10/2023)

OVERALL

RWANDA

Completeness – Wk 10/2023: 97%



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

Observation: During the week 10/2023, the overall IDSR reports completeness was 97%. Gatunda and Muhima district hospitals had a low rate of completeness (between 60 and 79%). CHUB did not submit the report. These hospitals are recommended to submit all required surveillance reports.

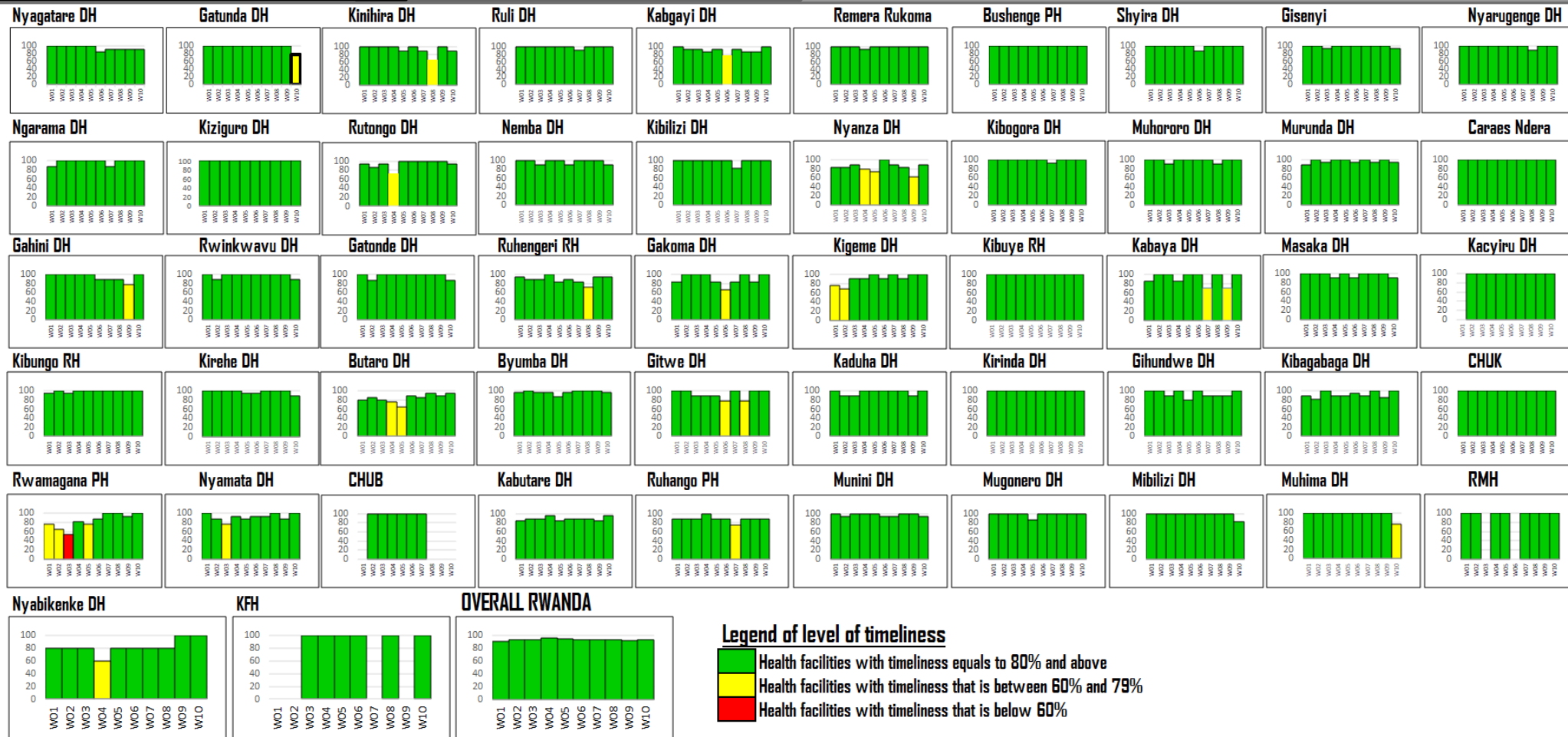
TREND OF IDSR REPORTS TIMELINESS

(Previous 10 weeks: Wk 01- Wk10/2023)

OVERALL

RWANDA

Timeliness – Wk 10/2023: 96%



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

Observation: During this week 10/2023, the overall IDSR reports timeliness was 96%. However, Gatunda and Muhima district hospitals had a low rate of timeliness (between 60 and 79%). CHUB did not submit the report. These hospitals are invited to report all required surveillance reports on time (on Monday before 12:00).

IDSR WEEKLY REPORTABLE DISEASES

week 01 to week 10/2023

Non-Bloody Diarrhea cases

Wk01 – Wk10/2023:
33,651
Wk10: 3,370

Flu syndrome cases

Wk01 –
Wk10/2023:
166,957
Wk10: 16,053

Malaria cases

Wk01 – Wk10/2023:
21,049
Wk10: 1,950

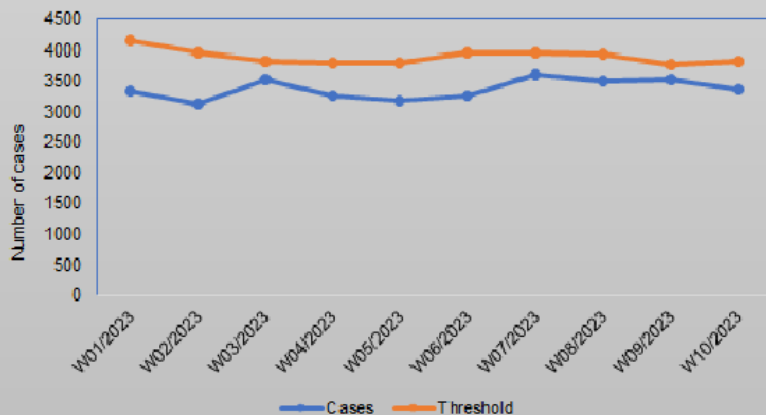
Severe Pneumonia cases

Wk01 – Wk10/2023:
4,547
Wk10: 439

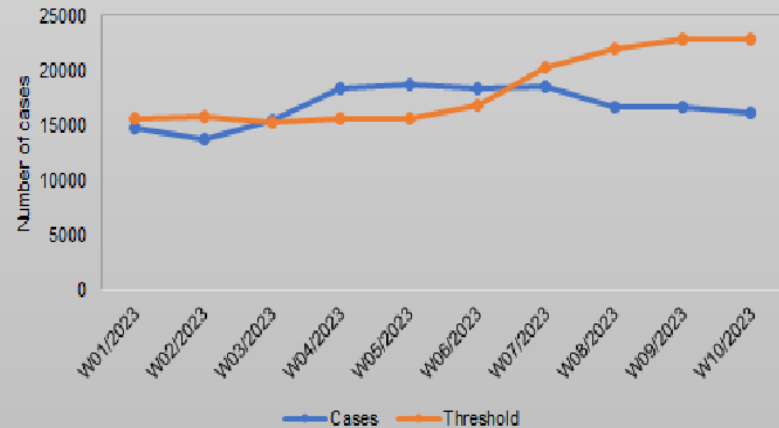
Rabies exposure (Dog bite) cases:

Wk01 – Wk10/2023: 258
Wk10: 28

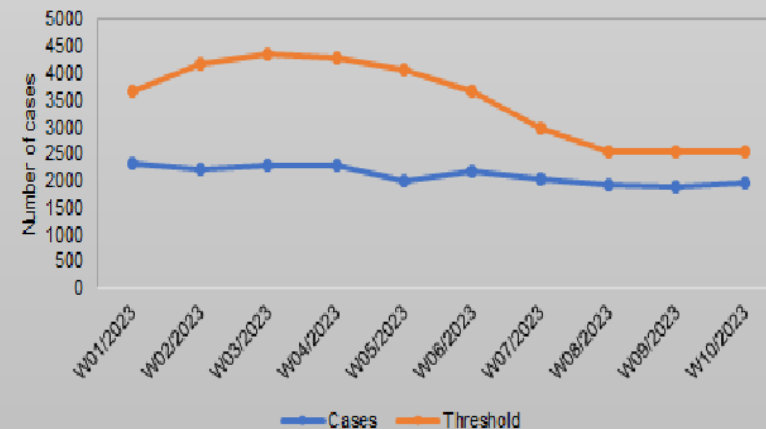
Trend of Non Bloody Diarrhea cases for under 5 years old (Wk01-wk 10/2023)



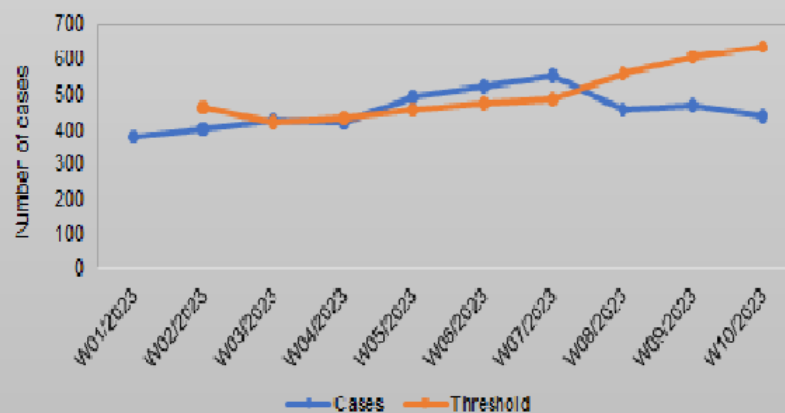
Trend of Flu syndrome cases in Rwanda (Wk 01-wk 10/2023)



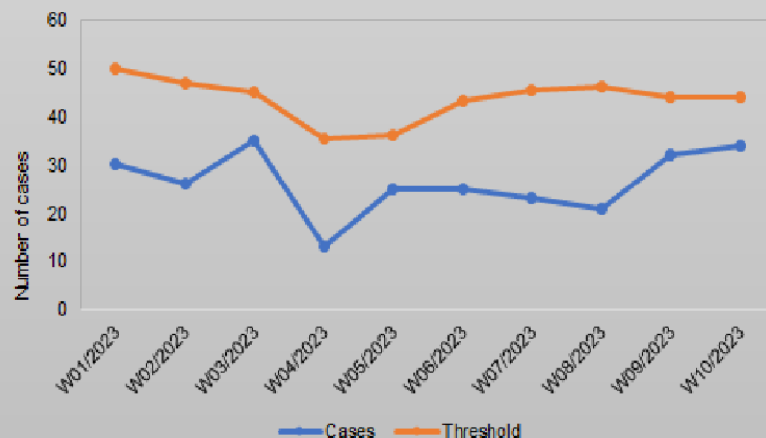
Trend of simple malaria cases in Rwanda (Wk01-wk 10/2023)



Trend of Severe Pneumonia cases in Rwanda (Wk 01-wk 10/2023)



Rabies exposure(dog bite) in Rwanda wk 01-wk 10/2023



During the week 10/2023, no weekly reportable disease (WRD) crossed the thresholds. No case reported for Brucellosis and Trypanosomiasis.

IDSR IMMEDIATE REPORTABLE DISEASES

Week 10/2023

Hospital	Organisation unit name	Acute Flaccid Paralysis	Bacterial Meningitis	Bloody Diarrhea (Shigellosis)	Cholera	Foodborne illness	Measles	Rubella	Typhoid Fever	Severe malaria
Kibagabaga	Bumbogo (ex-Gikomero I) CS	0	0	0	0	0	0	0	0	1
Kinihira	Buyoga CS	0	0	2	0	0	0	0	0	0
Gihundwe	Bweyeye CS	0	0	1	0	0	0	0	0	0
Muhima	Cor-unum CS	0	0	0	0	0	1	0	0	0
Murunda	Crete Congo Nil CS	0	0	2	0	0	0	0	0	0
Kibagabaga	Deus Est Neuro-Rehabilitation Center and Clin	0	0	0	0	0	0	0	1	0
Gakoma	Gakoma CS	0	0	2	0	0	0	0	0	0
Nyabikenke	Gitega (kibangu) CS	0	0	0	0	0	0	0	0	3
Gisenyi	Kabari (Rubavu) CS	0	0	0	0	0	1	0	0	0
Munini	Kibeho CS	0	0	0	0	0	1	0	0	0
Kibogora	Kibogora DH	0	0	0	3	0	0	0	0	0
Kigeme	Kigeme DH	0	0	0	0	0	0	0	0	2
Ruhango	Kigoma CS	0	0	3	0	43	0	0	0	0
Kirehe	Mahama Refugee Camp HC	0	0	0	0	0	6	0	0	0
Kirehe	Mahama Refugee Camp II HC	0	0	0	0	0	6	0	0	0
Gihundwe	Mont Cyanguu CS	0	0	0	0	0	1	0	0	0
Murunda	Murunda CS	0	0	1	0	0	0	0	0	0
Murunda	Murunda DH	0	0	0	0	0	0	0	0	1
Nyamata	Nyamata CS	0	0	0	0	0	1	1	0	0
Ruhango	Nyarurama CS	0	0	1	0	2	0	0	0	0
Gisenyi	Polyclinic la Medicale de Rubavu	0	0	0	0	0	0	0	1	0
Rutongo	Remera-mbogo CS	1	0	0	0	0	0	0	0	0
Ruhango	Ruhango CS	0	0	0	0	79	0	0	0	0
Masaka	Rwanda Military Hospital	0	1	0	0	0	0	0	0	0
Butaro	Rwerere CS	0	0	2	0	0	0	0	0	0
Gisenyi	Sainte Immaculee Clin	0	0	0	0	0	0	0	2	0
Kabgayi	Shyogwe CS	0	0	1	0	0	0	0	0	0
Rutongo	Shyorongi CS	0	0	0	0	0	0	0	0	1
	Total	1	1	15	3	124	17	1	4	8

Alerts

Disease	Case	Alert threshold	Recommendations
AFP	1suspected	1suspected	Investigate and report as soon as possible
Bloody diarrhea	1confirmed case	1confirmed case	
Cholera	3suspected	1suspected case	
Measles/Rubella	18 suspected cases	3confirmed cases	
Severe Malaria	8confirmed cases	1confirmed case	
Foodborne illness	124cases	2or more suspected cases	

Observation: During the week 10/2023, cases of immediate reportable diseases (IRD) notified include: AFP, Bacterial meningitis, Bloody diarrhea, Measles, Rubella, Foodborne illness. All were suspected cases and samples were taken and sent to NRL for testing. Eight confirmed cases of severe malaria were also reported.

Key highlights in week 10/2023

OUTBREAKS IDENTIFIED

1. Food poisoning outbreak in Ruhango district

On 08/03/2023, Ruhango PH alerted on 54 patients who consulted different health facilities with similar symptoms bloody diarrhea, abdominal pain, vomiting and body weakness. Investigation done has revealed all cases linked to food consumption at Giramata Restaurant in Ruhango on 7/03/ 2023 where majority consumed cassava or sweet potatoes, beans. In addition, all cases reported to have consumed milk in the restaurant. Different interventions were put in place such as treatment of cases, samples collection of food and temporary closure of Restaurant. A total of 73 cases were reported; all were treated at health facilities and currently they have all recovered.

2. Two Measles outbreaks, one in Rubavu and other one in Kirehe district.

In week 10, measles outbreaks were still ongoing in the two districts. In Rubavu district, 8 additional cases were identified in Nkamira transit camp in Rubavu district by epidemiological link confirmation making it a total of 14 cases. In Kirehe district, 10 additional cases were identified in Mahama Refugee camp; 3 were laboratory confirmed and 7 were confirmed by epidemiological link, making it a total of 15 cases.

3. Cholera outbreak in Nyamasheke district

Cholera outbreak was ongoing, in Kibogora DH 3 additional cases were laboratory confirmed in the previous week making it a total of 8 confirmed cases. In Karongi district, similar cases have been detected, currently 3 suspected cases have been identified. All tested negative.

Actions taken for responding to the highlighted outbreaks

For Foodborne illness:

- treatment of cases
- samples collection of food and temporary closure of Restaurant.
- All cases were treated at health facilities and currently they had all recovered.

For Measles outbreaks

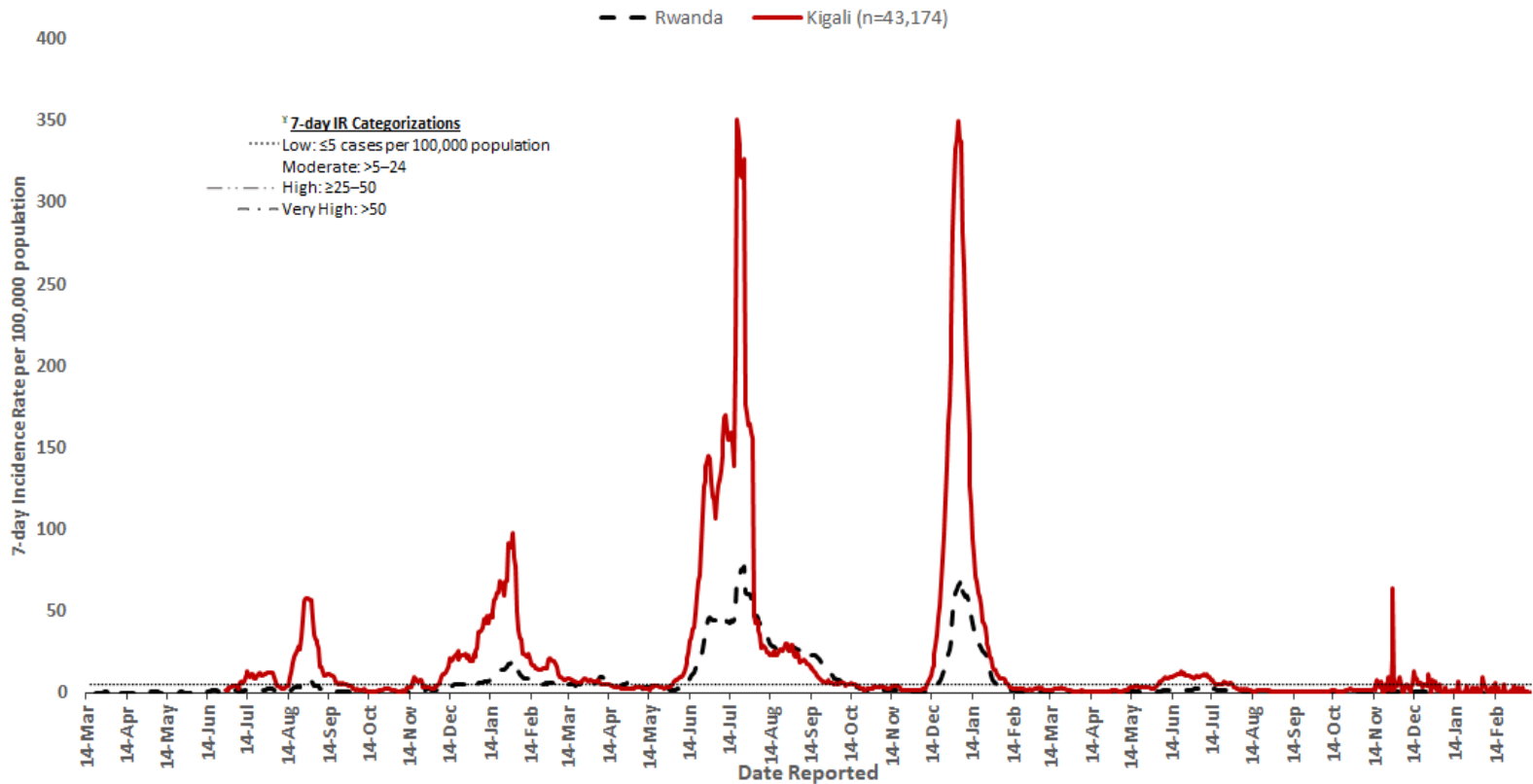
- Continuous active cases search
- Case management of patients (treatment, isolation)
- Vaccination campaign

For Cholera outbreak:

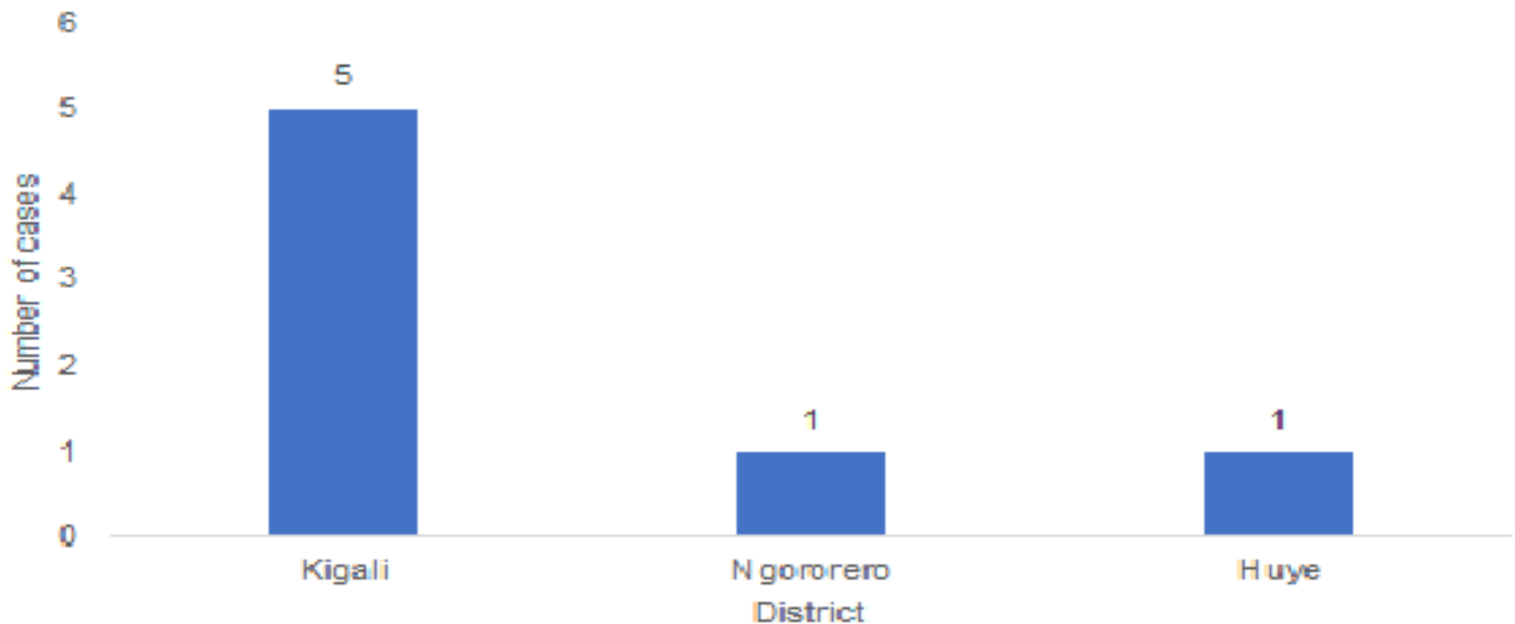
- Community sensitization for hygiene and sanitation
- Treatment of cases
- A meeting chaired by governor with partners involved in WASH

TREND OF INCIDENCE RATE OF COVID-19

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

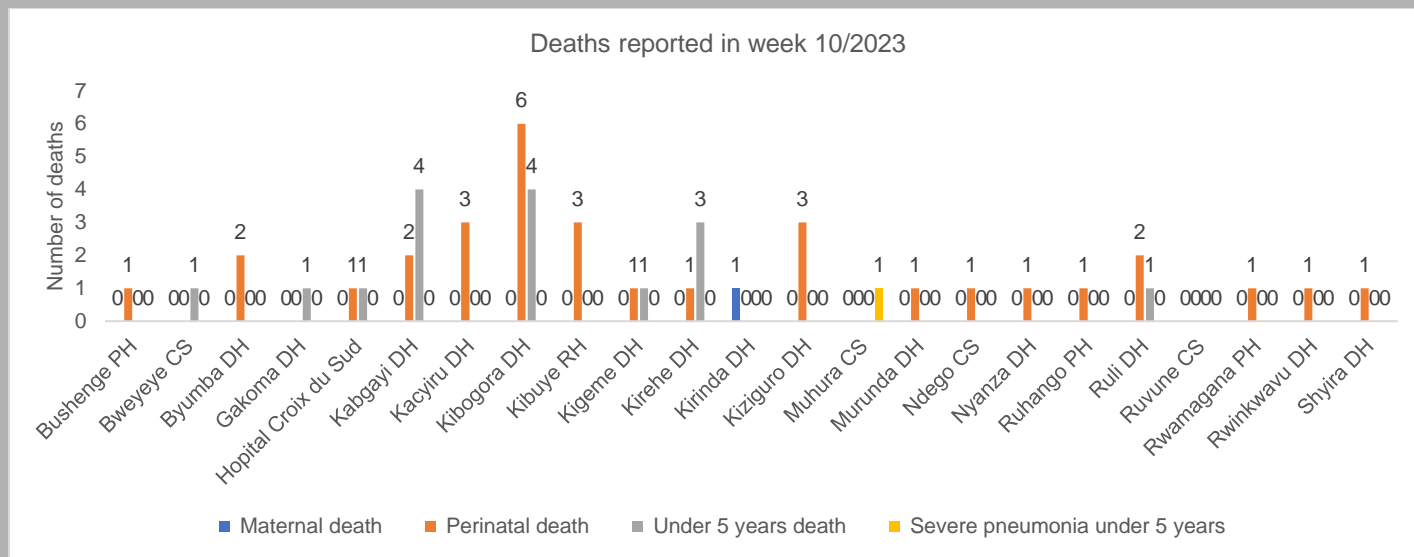


Distribution of Covid19 by district with cases in week 10/2023



Observation: During the week 10/2023, the overall incidence rate of Covid-19 in Rwanda was 0.1 case per 100,000 population. It was the same as the previous week (0.1 cases per 100,000 population in week 09). Only Kigali City, Huye and Ngororero districts reported Covid19 cases.

SUMMARY OF DEATHS REPORTED THROUGH e-IDSr (Wk 10/2023)



Deaths reported in week 10/2023:

- Perinatal deaths had a highest number: 32, especially in Kibogora DH (6 deaths).
- Under 5 years: 16
- maternal death: 1
- Severe pneumonia: 1.

HEALTH FACILITIES THAT DID NOT SUBMIT IDSr WEEKLY REPORT IN WEEK 10/2023

Hospital	Organisation unit name
Rutongo	Burega CS
Nemba	Bushoka CS
CHUB	Butare Chu Hnr (huye)
Gatonde	Gatonde DH
Gisenyi	Gisenyi DH
Muhima	Muhima DH
Byumba	Mukarange (Gicumbi) CS
Ruhengeri	Musanze CS
Nyagatare	Nyakigando (Nyagatare) CS
Nyanza	Nyamure CS
Kinihira	Tare CS

TRUE EVENTS REPORTED IN COMMUNITY BASED SURVEILLANCE(e-CBS) IN e-IDSr FOR WEEK 10/2023

Event date	Villages	Events	Age	Sex	Status
3/6/2023	Nyanguragura	DB	8	Male	True event
3/6/2023	Rutenderi	HD	98	Female	True event
3/8/2023	Kabaguma	HD	50	Male	False event
3/9/2023	Biryogo	HI	NA	NA	False event
3/12/2023	Ishusho	HI	NA	NA	False event

In epidemiological week 10/2023, five signals were reported in eCBS. After verification, 2 became true events, while 3 were false and discarded. The person bitten by a dog was referred to the health facility for anti rabic vaccination.

The cause of the human death of Rutenderi village was unknown