



Republic of Rwanda  
Ministry of Health



# WEEKLY EPIDEMIOLOGICAL BULLETIN

## WEEK 35– 2024

(26 August -1 September 2024)

### Editorial message

Effective and efficient disease surveillance system contribute to the reduction of morbidity, disability and mortality from disease outbreaks and health emergencies.

This weekly bulletin presents the epidemiological status of the priority diseases, conditions, and events 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.

**Authors:** Public Health Surveillance & Emergency Preparedness and Response Division

## KEY EPIDEMIOLOGICAL HIGHLIGHTS

### EPIDEMIOLOGICAL WEEK 35/2024

#### Event Based Surveillance (EBS) Highlights:

- **Alert from community: six teen alerts:**

11 human illnesses 3 human deaths and 2 dog bites

- **Alert from EIOS: one alert**

Media update on the mpox disease outbreak in kenya: The Ministry reports a third confirmed Mpox case in Nairobi.

- **Indicator Based Surveillance (IBS) Highlights:**

- 388 immediate reportable diseases were notified by health facilities countrywide. These include the cases of acute flaccid paralysis (AFP), mumps, severe malaria, bloody diarrhea, measles/rubella, chicken pox, Mpox, typhoid fever, viral conjunctivitis, snake bite and foodborne illness.
- For 8 weekly reportable diseases and health events, a thorough analysis conducted for the epi Week 35 revealed that no cases surpassed the epidemic thresholds.
- A total of 72 deaths were reported through the electronic Integrated Disease Surveillance and Response (eIDSR) system. Most of deaths were perinatal deaths and deaths of children under 5 years.

- **Outbreaks and events updates in week 35**

- Foodborne illness outbreaks in Huye District, Kinazi sector, Rusatira HC
- Ongoing Mpox outbreak in Rwanda

- **Completeness and timeliness**

In Epi Week 35, the overall completeness and timeliness of surveillance data reporting in Rwanda was 100% and 98% respectively.

## WEEKLY UPDATES ON EVENT BASED SURVEILLANCE (EBS) EPIDEMIOLOGICAL WEEK 35

**Description:** *Event Based Surveillance (EBS) is a type of public health surveillance system that detects and reports unusual health events or disease outbreaks in a timely manner. The system is designed to detect signals of potential public health threats and allow a rapid response to prevent or control the spread of diseases. RBC is implementing EBS through PHS&EPR Division.*

*Currently, an electronic Community Event Based Surveillance System (eCBS) and Epidemic Intelligence from Open Source (EIOS) are being used to detect and report events of public health importance from the community and media. The process for establishment of other types of EBS is still being on going.*

- **Alert from community: sixteen alerts:**

11 human illnesses 3 human deaths and 2 dog bites

- **Alert from EIOS: one alert**

**Media update on the mpox disease outbreak in kenya: The Ministry reports a third confirmed Mpox case in Nairobi.**

The Ministry reports a third confirmed Mpox case in Nairobi, involving a 30-year-old female who recently traveled to Uganda. She is in stable condition in an isolation unit. This case brings the total to three in Kenya, with previous cases in Taita Taveta and Busia. Active surveillance continues to control the spread of the disease.

[https://x.com/moh\\_kenya/status/1829480120622399545?s=46&t=j8j6wKjLKtsNqKGcnMsWPg](https://x.com/moh_kenya/status/1829480120622399545?s=46&t=j8j6wKjLKtsNqKGcnMsWPg)

## WEEKLY UPDATES ON INDICATOR BASED SURVEILLANCE (IBS)

**Description:** *Rwanda had implemented Indicator Based Surveillance according to the IDSR guidelines 3rd edition where approximately 45 priority diseases, health conditions and public health events are being monitored and reported from health facilities countrywide on a regular basis. Diseases that are prone to outbreaks are being reported immediately within 24 hours after detection while diseases that are considered as endemic are reported on weekly basis every Monday before midday.*

### A. IMMEDIATE REPORTABLE DISEASES – EPI WEEK 35

During this Epi week, 577 cases of immediate reportable diseases were notified:

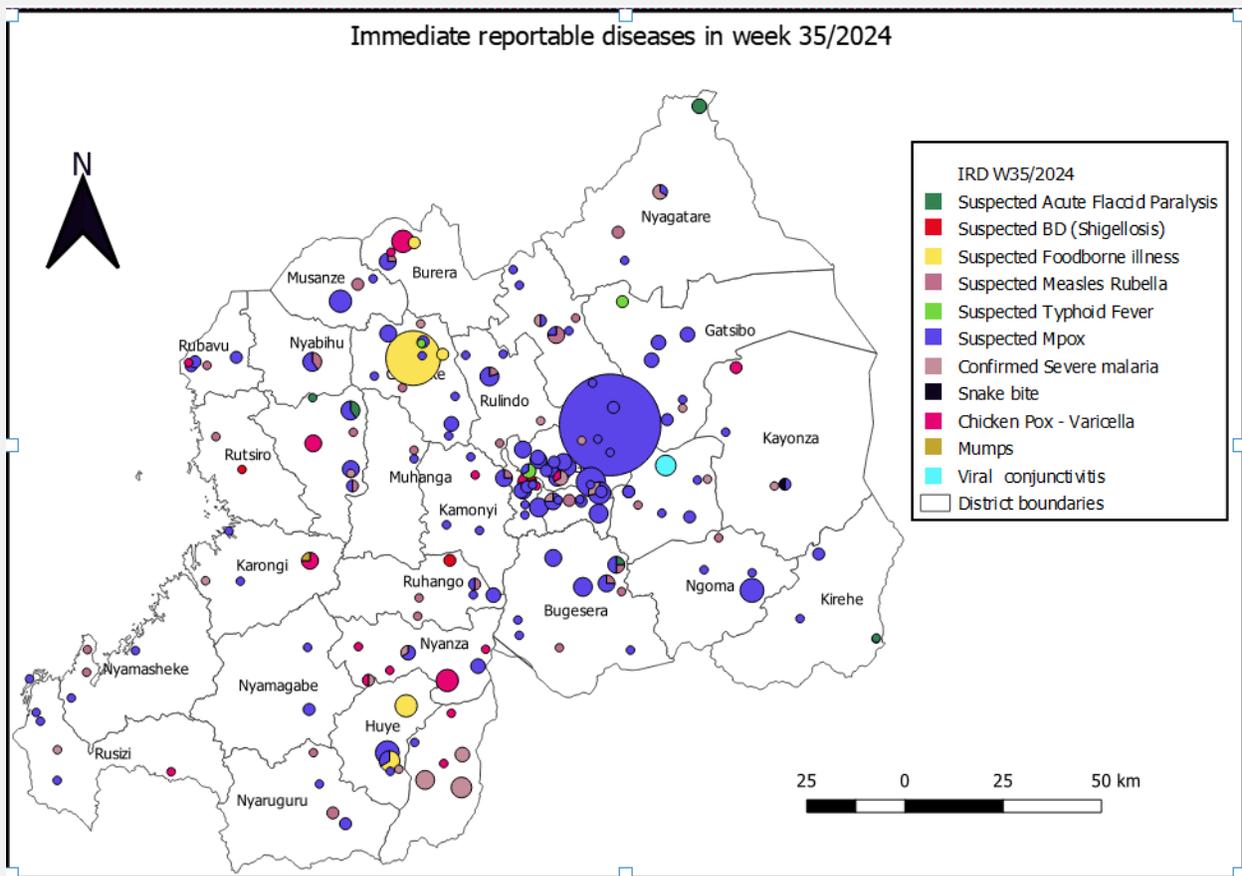
- 37 cases of chicken pox were reported by 18 HF. No HF crossed the threshold.
- 1 case of mumps was reported by 1 HC.
- 4 suspected cases of bloody diarrhea (Shigellosis) were reported by 3 health facilities. The samples were taken and sent to NRL.
- 36 suspected cases of Measles/Rubella were reported by 29 HCs. Samples were taken and sent to NRL.
- 34 cases of severe malaria were reported by 20 health facilities.
- 8 suspected cases of acute flaccid paralysis were reported by 5 health facilities, the samples were taken and sent to NRL for transportation to UVRI laboratory.
- 5 suspected cases of typhoid fever were reported by 3 health facilities. The samples were taken and sent to NRL

- 388 suspected cases of Mpox were reported by 112 health facilities. They are described in outbreak section.
- 57 cases of foodborne illnesses were reported by 5 health facilities.
- 1 case of snake bite was reported by 1 health facility.
- 1 case of viral conjunctivitis was reported by 1 health facility.

**Notes:**

- ✓ All confirmed and suspected cases had been managed at the health facility level.
- ✓ The hospitals with surpassed thresholds are recommended to conduct the investigations.

**Geographical distribution of cases notified during the epi week 35/2024**



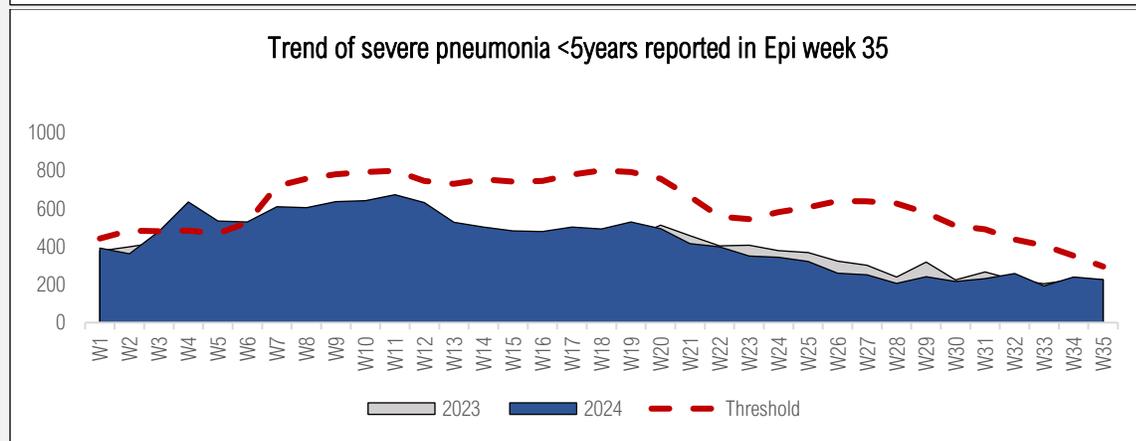
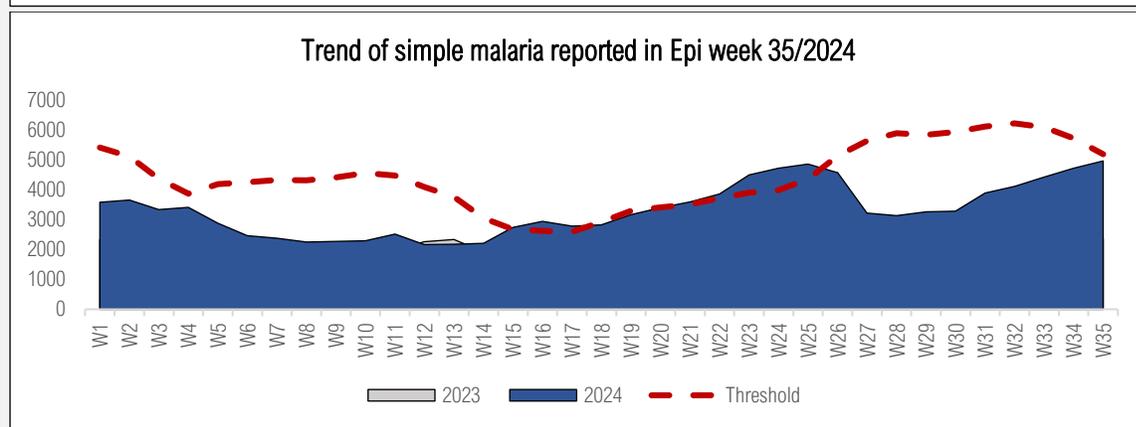
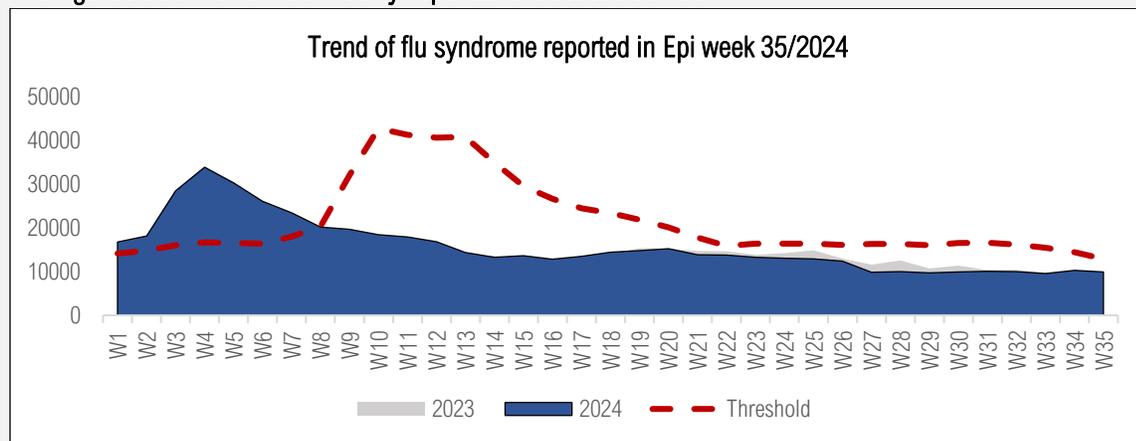
*Distribution of immediate reportable diseases in Epi week 35*

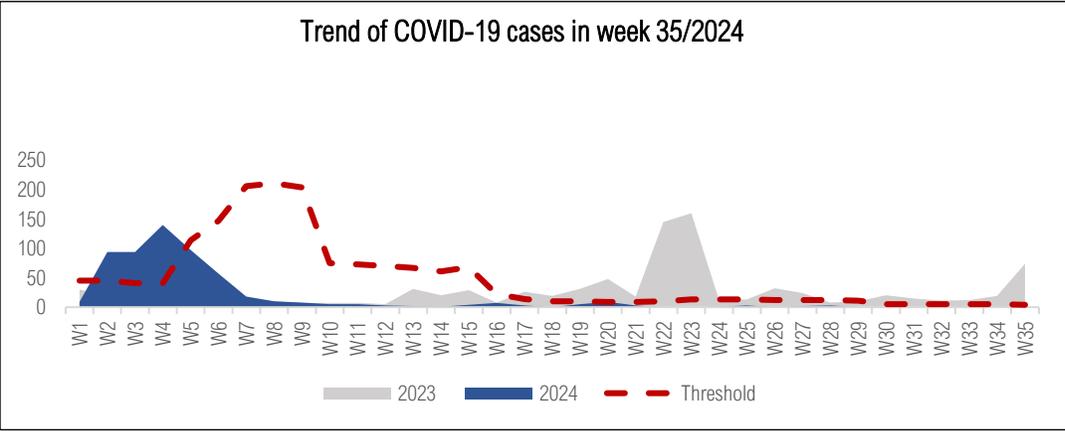
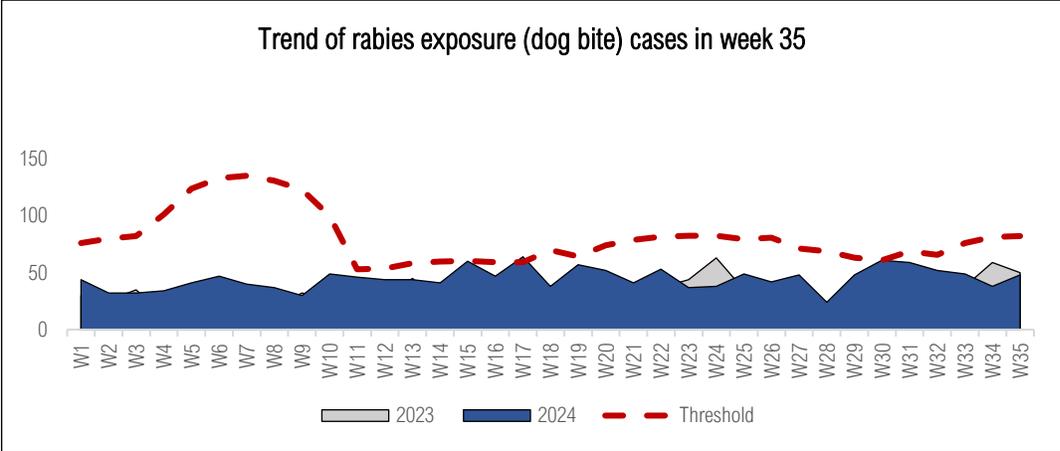
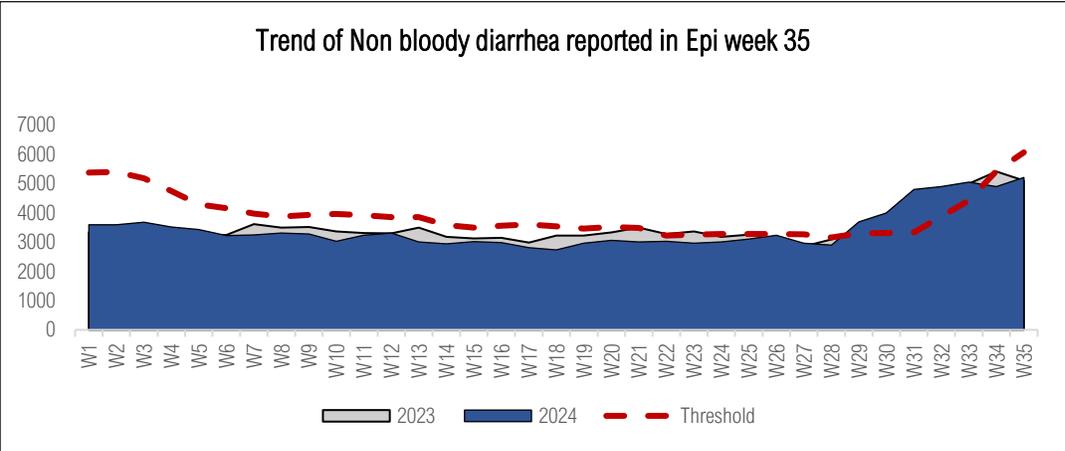
**B. WEEKLY REPORTABLE DISEASES – EPI WEEK 35**

**Description:** *In Rwanda, after the adaptation of the IDSR guidelines 3rd edition, eight diseases events are being reported and analyzed on a weekly basis. These include flu syndrome, simple malaria, severe pneumonia for under 5 years, non-bloody diarrhea for under 5 years, COVID-19, dog bites, brucellosis, and trypanosomiasis. The monitoring trends of these weekly reportable diseases or health events helps to detect an unusual increase early.*

In Epi Week 35, a thorough analysis was conducted, comparing the number of reported cases of the eight diseases monitored on a weekly basis to their respective epidemic thresholds. The results of the analysis revealed no cases surpassed the thresholds.

The figures below show the weekly reportable diseases trends:

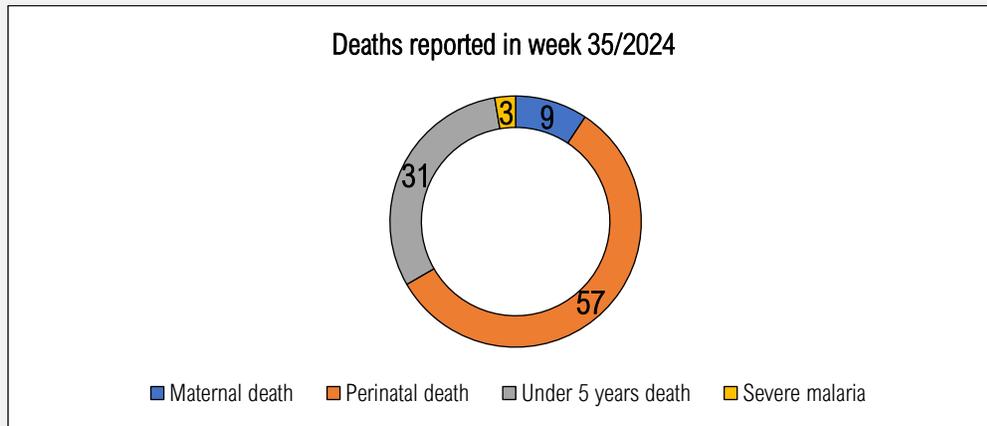




**C. DISTRIBUTION OF REPORTED DEATHS IN eIDSR – EPIDEMIOLOGICAL WEEK 35**

As summarized in the Pie Chart below, a total number of 75 deaths were reported through the electronic Integrated Disease Surveillance and Response (eIDSR) system. Among these deaths, 43(57%) were perinatal deaths, 23 (31%) were the deaths of children under 5 years old, 7(9%) maternal deaths and 2(3%) deaths due to severe malaria

### Deaths reported in week 35/2024

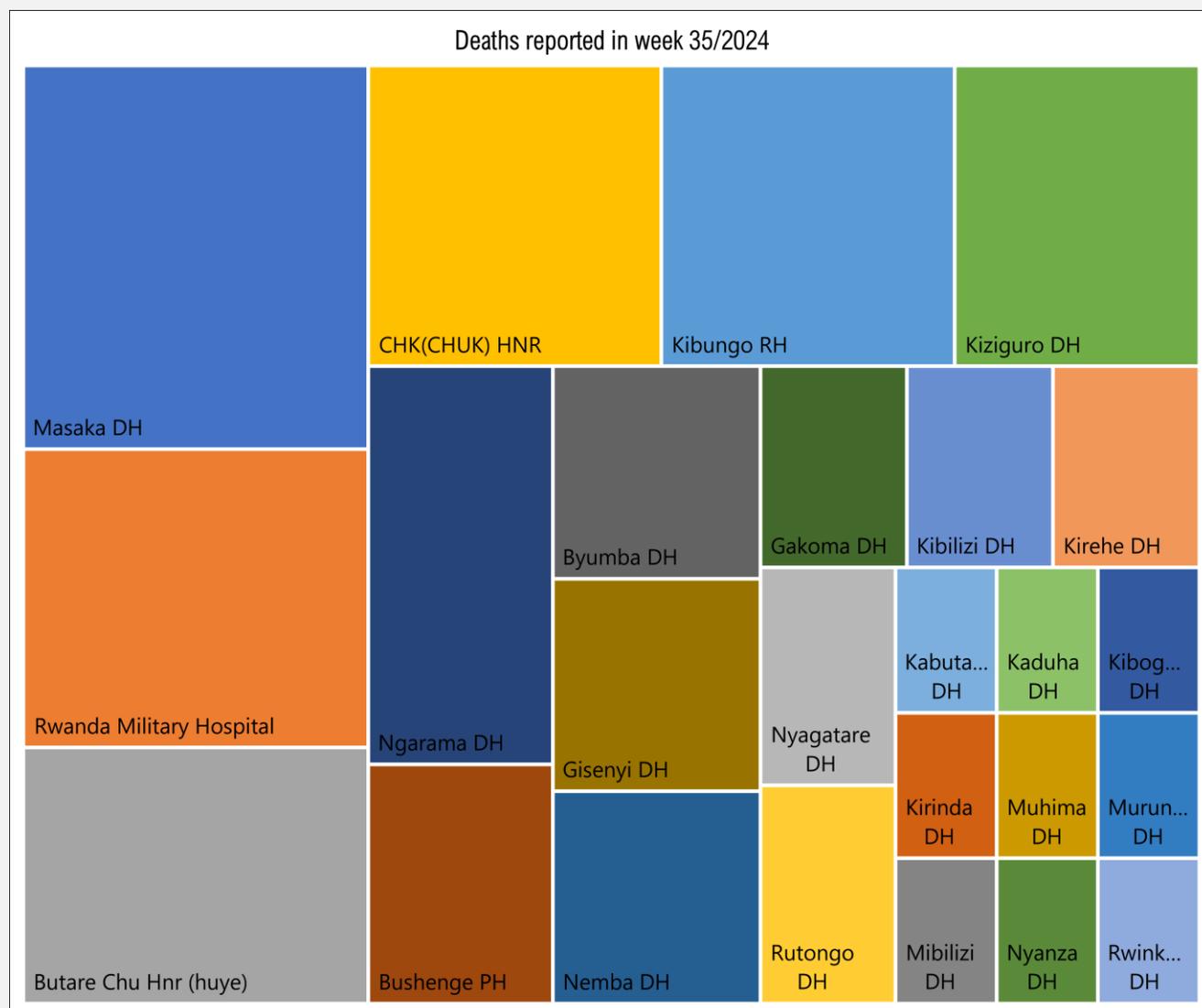


*Cause of deaths declared in epi week 35*

75 deaths were reported from various catchment areas as follow:

- 9 deaths were reported by Masaka DH (6 perinatal deaths and 3 under 5 years deaths)
- 7 deaths were reported by Rwanda Military Hospital (1maternal death, 5 perinatal deaths and 1 under 5 years death)
- 6 deaths were reported by CHUK (2 maternal deaths,1perinatal death, 3 under 5 years deaths); CHUB (1maternal death, 5perinatal deaths); Kibungo RH (all were perinatal deaths)
- 5 deaths were reported by Kiziguro DH (2 perinatal deaths and 3under 5 years deaths); Ngarama DH (1 maternal death, 2perinatal deaths, 2under 5 years deaths)
- 3 deaths were reported respectively by Bushenge PH, Byumba DH, Gisenyi DH (each one reported (3perinatal deaths); Nemba DH (1maternal death,1perinatal death and 1 under 5 years death)
- 2 deaths were reported respectively by Gakoma DH (1maternal death and 1 under 5 years death); Kibilizi DH (1perinatal death and 1 under 5 years death); Kirehe DH, Nyagatare DH, Rutongo DH (each one reported 2 perinatal deaths)
- 1 death was reported respectively by Kabutare DH, Kaduha DH, Murunda DH, Nyanza DH, Rwinkwavu DH (each one reported 1perinatal death); Mibilizi DH, Muhima DH (each one reported 1under 5 years death), Kibogora DH, Kirinda DH (each one reported 1death due to severe malaria)

Distribution of deaths by health facilities:



Distribution of deaths by health facilities in Epi week 35

## OUTBREAK AND EVENT UPDATES IN EPIDEMIOLOGICAL WEEK 35

### 1. Foodborne illnesses outbreak in Huye District, Kinazi sector, Rusatira HC

Confirmed cases	0	Date reported:	August 29, 2024	Risk assessment	Low
Suspected cases	11	Source:	eIDSR		
Death(s)	0	District/HFs:	Rusatira HC/Kabutare DH		
Total cases	11	Geoscope:	Low		

**Description:** On August 29, 2024, Rusatira HC received 11 individuals (7 F, 4 M) from a family of 14 members (AR: 78%), in Bwerinka Village, Byiza Cell, Kinazi Sector. The patients complained abdominal pain, vomiting, and diarrhea after consuming banana juice on August 28, 2024.

### Actions taken:

- Kabutare DH team has been deployed to the health center for support (case management and investigation). Monitoring of cases and active case searching in the community.

## 2. Ongoing Mpox outbreak reported in Rwanda

Rwanda confirmed its first two cases of Mpox on July 24, 2024. Since then, a total of four Mpox cases have been confirmed. All confirmed cases had a history of international travel prior the onset of symptoms, they have been treated, cured, and discharged. Since the Mpox outbreak was confirmed in Rwanda, 1116 suspected cases have been reported, including 388 new suspected cases in week 35, with no new confirmed cases.

### Actions taken

- o Case management
- o Community sensitization on Mpox prevention
- o Active case searching in community

## eIDSR REPORTS COMPLETENESS & TIMELINESS EPIDEMIOLOGICAL WEEK 35

*In Rwanda, eIDSR reports completeness and timeliness are scored as follow:*

- + Greater or equal to 80%: High,
- + Between 60% and 79%: Moderate,
- + Less than 60%: Low.

In the Epi Week 35, the overall completeness and timeliness of disease surveillance data reporting in Rwanda, was scored to 100% and 98%, respectively. All hospitals had the high score (>80%) for the completeness that was to be appreciated. However, for the timeliness, almost all hospitals had the high score (>80%), except one hospital that had the low timeliness: CARAES Ndera.

**Notes:** The health facility that did not have a high score for the completeness and timeliness had been recommended to improve the reporting by submitting weekly surveillance reports not later than Monday before 12:00. Details on completeness and timeliness for all health facilities are shown in the figures below.

Hospital catchment area	Completeness																																					
	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25	W26	W27	W28	W29	W30	W31	W32	W33	W34	W35			
Nyagatare	100	100	100	100	100	100	100	100	100	100	93	100	86	100	93	100	100	100	100	93	100	93	100	93	100	100	100	100	100	100	100	100	100	100	100	100	100	
Gatunda	100	100	100	100	100	100	100	100	100	100	89	100	67	100	100	100	100	89	100	100	100	100	100	89	100	100	100	100	100	100	100	100	100	100	100	100	100	
Ngarara	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Kiziguro	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	92	100	100	100	100	100	100	100	100	100	100	100	100	100	
Gahini	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Rwinkwavu	100	100	100	100	100	100	100	100	100	100	100	100	88	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	70	100	90	100	100	100	100	100		
Kibungo	100	100	100	100	100	100	100	100	100	100	94	100	94	100	100	100	100	100	100	94	100	100	100	100	100	100	100	94	100	100	100	100	100	94	100	100	100	
Kirehe	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	95	100	100	100	100	100	100	100	100	100		
Rwamagana	94	94	100	100	94	94	100	100	100	100	89	100	94	100	100	100	100	100	100	100	100	100	94	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Nyamata	100	88	100	100	94	94	100	100	100	100	94	94	76	94	88	100	94	88	88	88	88	94	88	82	88	94	100	94	100	100	100	100	100	100	100	100	100	
Kinshira	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	89	100	100	100	89	100	100	89	100	100	100	100	100	78	100	100	100	
Rutongo	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Gatonde	100	100	100	100	100	100	100	100	100	100	100	100	71	100	100	100	100	100	100	100	100	86	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Butaro	100	100	100	100	100	100	100	100	100	100	100	100	85	100	100	100	100	100	100	100	95	100	100	100	95	100	100	85	100	100	100	100	100	100	100	100	100	
Ruli	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Nemba	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	90	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Ruhengeri	100	100	100	94	89	89	100	100	100	100	89	100	94	100	100	100	100	100	100	94	100	100	94	100	100	100	100	100	94	100	100	100	100	94	100	94	100	
Byumba	100	100	100	100	100	100	100	100	96	100	96	100	100	96	100	96	100	96	100	96	96	100	100	100	100	100	96	85	96	92	96	96	96	96	100	100		
CHUB	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Kabutare	100	100	100	100	95	100	89	100	95	100	95	100	89	100	100	100	100	100	100	100	100	100	100	100	95	100	100	100	95	100	100	100	100	100	100	100	100	
Kabgayi	100	100	100	100	100	100	100	100	100	100	100	100	85	100	100	100	100	100	100	100	100	100	92	100	100	100	100	100	92	100	100	100	100	100	100	100	100	
Kibizi	100	100	100	100	100	100	100	100	100	100	91	100	100	100	100	91	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Gakoma	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Gitwe	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	89	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Ruhango	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	88	100	100	100	100	100	88	100	100	100	
Remera	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Rukoma	100	100	100	100	100	100	100	93	93	100	93	100	80	100	93	100	100	100	100	100	100	100	100	93	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Nyanza	100	95	95	95	100	100	100	100	100	100	100	100	100	100	100	100	100	100	95	100	100	95	100	89	100	100	100	100	100	100	100	100	100	100	100	100	100	
Kigeme	100	100	100	100	100	100	100	100	100	92	100	100	100	100	100	100	100	100	100	100	100	100	100	92	100	100	100	92	100	100	100	100	100	100	100	100	100	
Kaduha	100	100	100	100	100	100	100	100	100	100	80	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Munini	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Bushenge	100	100	100	100	88	100	100	88	100	100	88	100	100	88	100	100	100	100	100	100	100	100	100	100	100	100	88	100	100	100	100	100	100	100	100	100	100	
Kibogora	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	93	100	100	100	100	100	100	100	100	100	100	100	100	93	100	100	100	100	100		
Kibuye	100	100	100	100	100	100	100	100	100	100	92	100	100	100	100	100	100	100	100	100	100	100	100	92	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Kirinda	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Mugonero	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	71	100	100	100	100	100	100	
Shyira	88	100	100	100	88	100	100	100	100	100	100	94	88	100	100	100	100	94	100	100	100	94	94	100	100	100	100	100	100	100	88	100	100	94	100	100		
Muhororo	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Kabaya	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Gihundwe	100	100	100	100	80	100	100	90	100	100	100	100	100	100	90	100	100</																					

