



WEEKLY EPIDEMIOLOGICAL BULLETIN

WEEK 36– 2024

(2-8 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.

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KEY EPIDEMIOLOGICAL HIGHLIGHTS

EPIDEMIOLOGICAL WEEK 36/2024

Event Based Surveillance (EBS) Highlights:

- **Alert from community: thirty-two alerts:**

4 human illnesses 26 human deaths and 2 dog bites

- **Alert from EIOS: two alerts**

- Total cholera deaths rise 71% worldwide, warns WHO
- Ngoma: 18 cattle were affected by Rift Valley Fever (RVF)

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

- 410 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, bacterial meningitis and foodborne illness.
- For 8 weekly reportable diseases and health events, a thorough analysis conducted for the epi Week 36 revealed malaria cases surpassed the epidemic thresholds in catchment areas of 24 health centers.
- A total of 79 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 36**

- Foodborne illness outbreaks in Kayonza District, Rwinkwavu DH
- Weekly updates on ongoing Mpox outbreak in Rwanda

- **Completeness and timeliness**

In Epi Week 36, the overall completeness and timeliness of surveillance data reporting in Rwanda was 98% and 95% respectively.

WEEKLY UPDATES ON EVENT BASED SURVEILLANCE (EBS) EPIDEMIOLOGICAL WEEK 36

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: 32 alerts:**

- 4 human illnesses, 26 human deaths notified in 26 villages and 2 dog bites.

- **Alert from EIOS: two alerts**

- **Total cholera deaths rise 71% worldwide, warns WHO**

New report on the spread of the disease around the globe indicates an increase in the number of cases and warns of the risks of poor hygiene in countries. The World Health Organization (WHO) published on September 6 its newest report on cholera outbreaks. The data, for the year 2023, indicate that the disease was diagnosed in more than 535 thousand people – which is equivalent to a 13% increase in cases, compared to 2022. This led to a 71% increase in the number of deaths. <https://gphin.canada.ca/cepr/showarticle.jsp?docId=1017258373>

- **Ngoma: 18 cattles were affected by Rift Valley Fever (RVF)**

Rwanda Agriculture Board (RAB), declared that in Ngoma district, 18 animals were affected by RVF. Since end of August 2024 until 09 September 2024, 18 cattles were affected by RVF, one death occurred. The affected ruminant cattles were 7 cows, 4 sheep, 5 goats in the following sectors: Kazo, Mutenderi and Rurenge in Ngoma district. One staff of RAB, Dr Fabrice Ndayisenga, said that the vaccination against RVF was ongoing especially in the sectors in which the affected cattles were detected.

<https://umuseke.rw/2024/09/ngoma-amatungo-18-amaze-gufatwa-nubuganga/>

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 36

During this Epi week, 410 cases of immediate reportable diseases were notified:

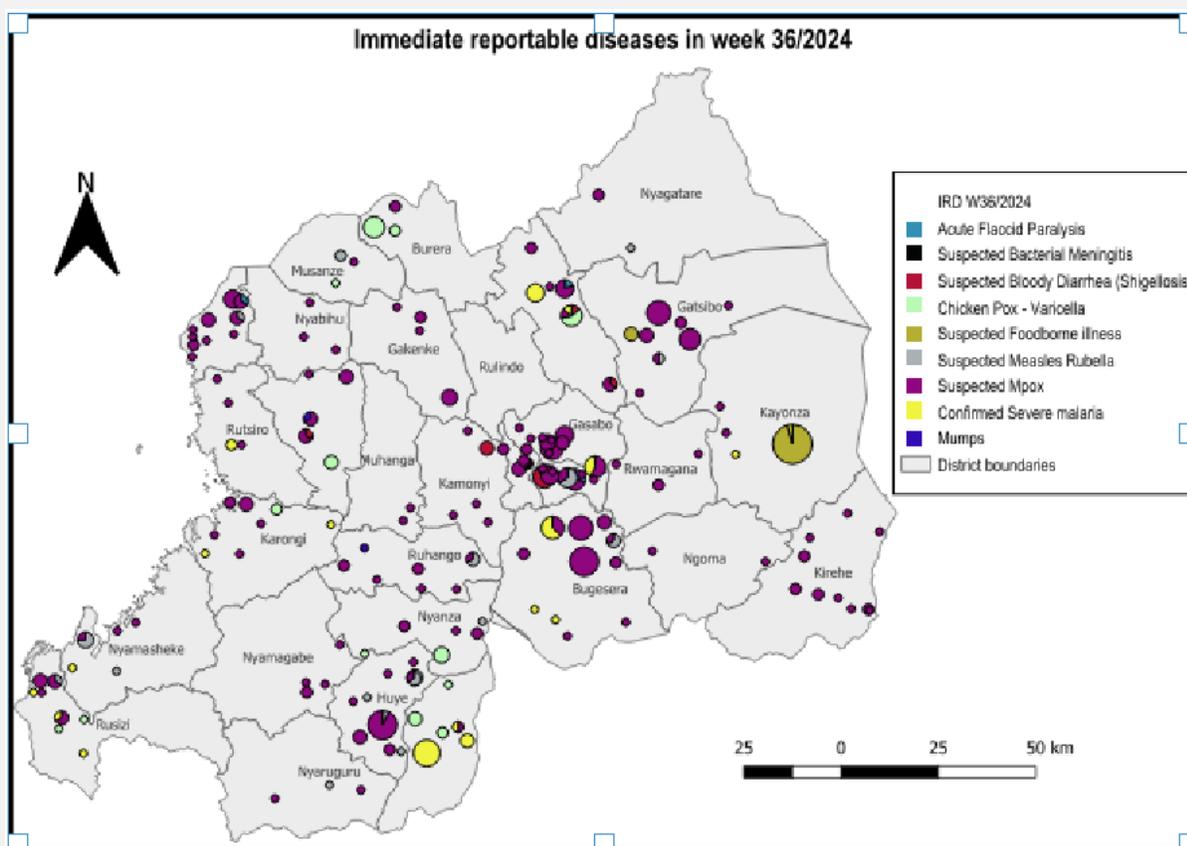
- 32 cases of chicken pox were reported by 13 HFs. No HF crossed the threshold.
- 2 cases of mumps were reported by 2 HCs.

- 13 suspected cases of bloody diarrhea (Shigellosis) were reported by 5 health facilities. The samples were taken and sent to NRL.
- 28 suspected cases of Measles/Rubella were reported by 17 HCs. Samples were taken and sent to NRL.
- 41 cases of severe malaria were reported by 18 health facilities.
- 4 cases of acute flaccid paralysis were reported by 3 health facilities, the samples were taken and sent to NRL for transportation to UVRI laboratory.
- 1 suspected case of bacterial meningitis was reported by 1 health facility. The sample was taken and sent to NRL
- 263 suspected cases of Mpox were reported by 131 health facilities. They are described in outbreak section.
- 26 cases of foodborne illnesses were reported by 2 health facilities.

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 36/2024



Distribution of immediate reportable diseases in Epi week 36

B. WEEKLY REPORTABLE DISEASES – EPI WEEK 36

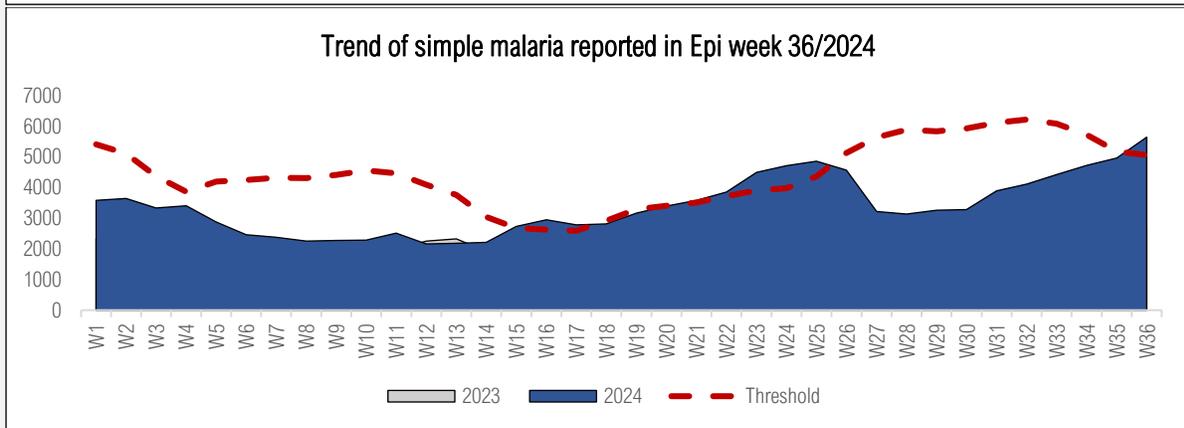
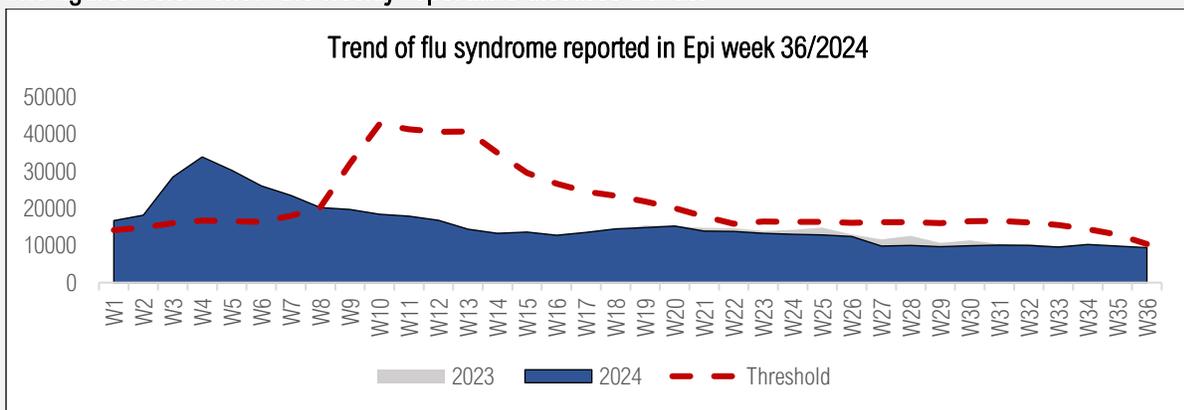
Description: *In Rwanda, after the adaptation of the IDSR guidelines 3rd edition, eight diseases events are being reported and analyzed on a weekly basis. These include flu syndrome, simple malaria, severe pneumonia for*

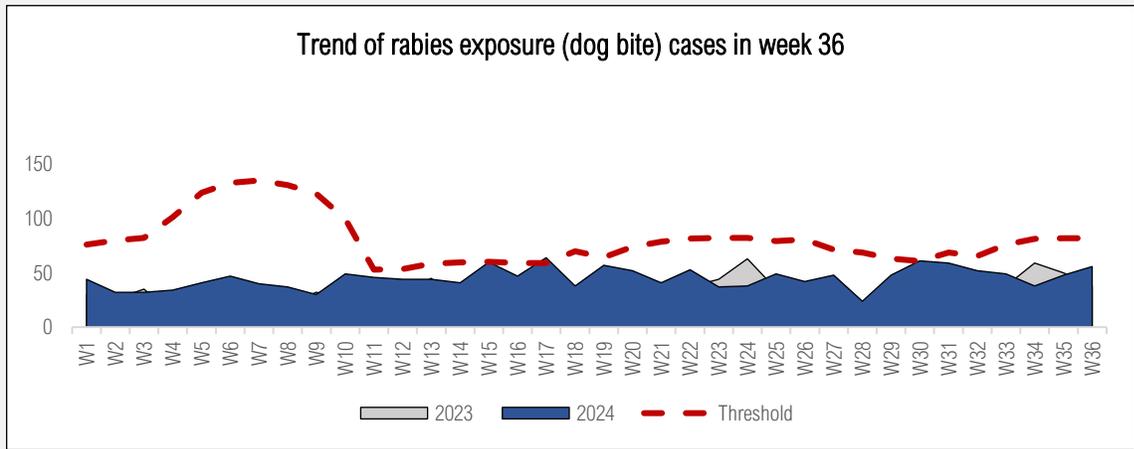
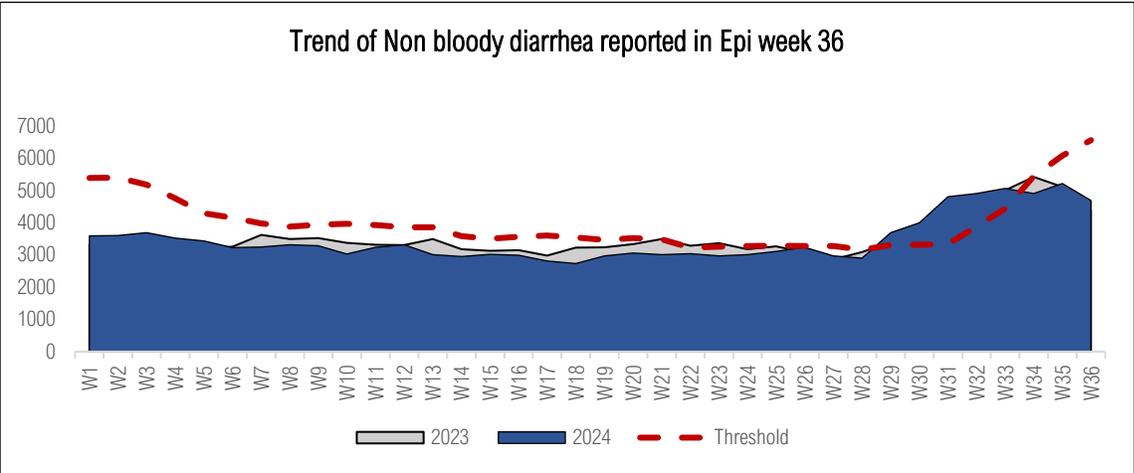
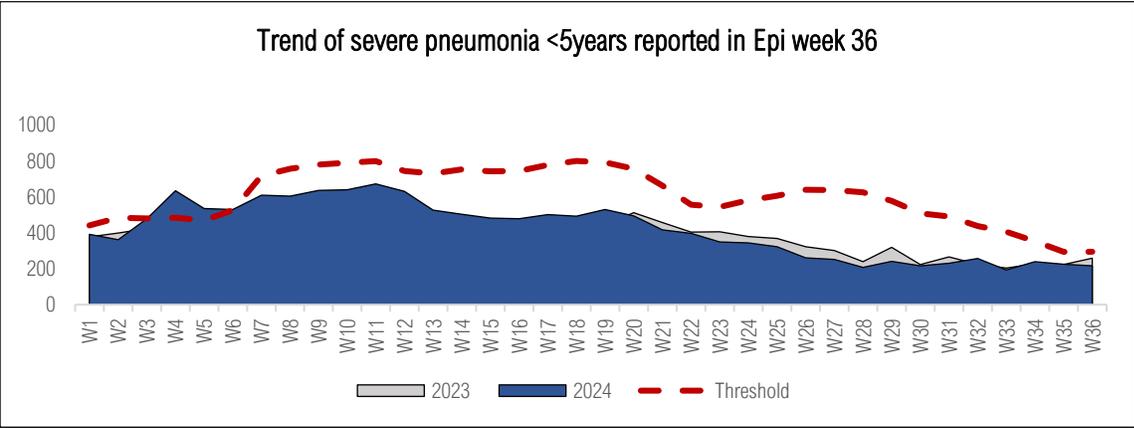
under 5 years, non-bloody diarrhea for under 5 years, COVID-19, dog bites, brucellosis, and trypanosomiasis. The monitoring trends of these weekly reportable diseases or health events helps to detect an unusual increase early.

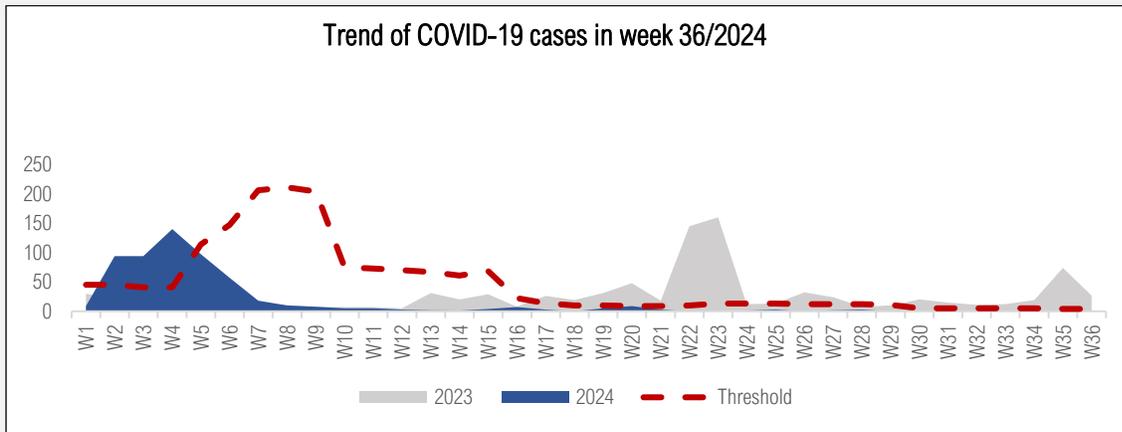
In Epi Week 36, a thorough analysis was conducted, comparing the number of reported cases of the eight diseases monitored on a weekly basis to their respective epidemic thresholds. The results of the analysis revealed malaria cases surpassed the thresholds, especially in Gakoma DH (Gakoma HC, Gishubi HC, Musha HC, Gikonko HC, Gakoma DH) and Kibilizi DH (Kirarambogo HC, Kibayi HC, Gisagara HC and Mugombwa HC), Kibogora DH (Gatare HC, Karengera HC, Kibingo HC, Kibogora HC, Hanika HC, Mahembe HC, Nyamasheke HC), Kirehe DH (Bukora HC, Kabuye HC, Nasho HC, Rusumo HC), Nyamata DH (Nyamata HC, Ruhuha HC, Mayange HC, Ngeruka HC).

NB: the hospitals with malaria cases that surpassed the epidemic thresholds are recommended to conduct the investigation.

The figures below show the weekly reportable diseases trends:

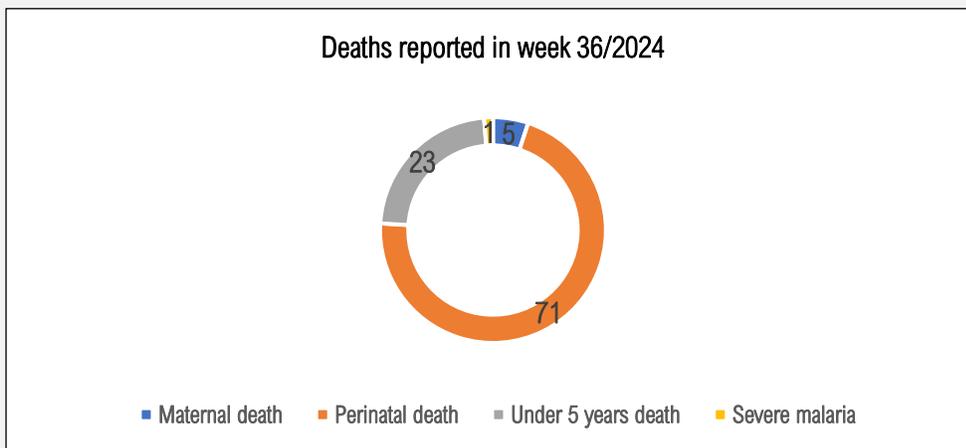






C. DISTRIBUTION OF REPORTED DEATHS IN eIDSR – EPIDEMIOLOGICAL WEEK 36

As summarized in the Pie Chart below, a total number of 79 deaths were reported through the electronic Integrated Disease Surveillance and Response (eIDSR) system. Among these deaths, 56(71%) were perinatal deaths, 18 (23%) were the deaths of children under 5 years old, 4(5%) maternal deaths and 1(1%) death due to severe malaria.



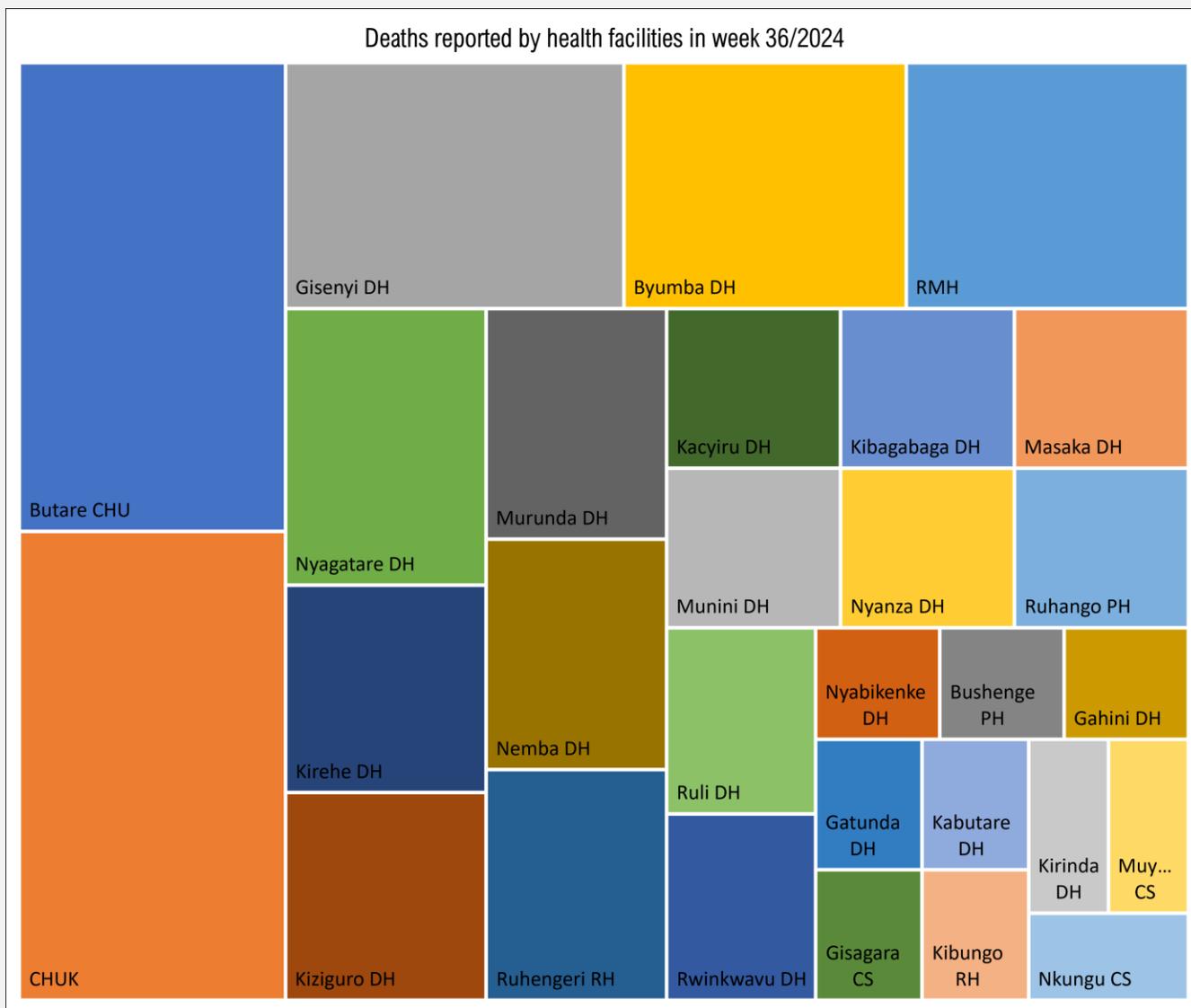
Cause of deaths declared in epi week 36

79 deaths were reported from various catchment areas as follow:

- 9 deaths were reported by CHUB (7 perinatal deaths and 2 under 5 years deaths) and CHUK (2maternal death, 2 perinatal deaths and 5 under 5 years death)
- 6 deaths were reported by Gisenyi DH (all were perinatal deaths)
- 5 deaths were reported by Rwanda Military Hospital (all were perinatal deaths); Byumba DH (4perinatal deaths and 1 under 5 years death)
- 4 deaths were reported respectively by Nyagatare DH (3 perinatal deaths and 1 under 5 years death);
- 3 deaths were reported respectively by Kirehe DH, Nemba DH and Kiziguro DH (each one reported 2 perinatal deaths and 1under 5 years death); Murunda DH (3perinatal deaths) and Ruhengeri RH (1maternal death and 2 perinatal deaths)

- 2 deaths were reported respectively by Kibagabaga DH, Kacyiru Police hospital, Munini DH, Masaka DH, Nyanza DH, Ruhango PH, Rwinkwavu DH (each one reported 2 perinatal deaths); Ruli DH (1maternal death and 1perinatal death)
- 1 death was reported respectively by Bushenge PH, Gahini DH, Kabutare DH (each one reported 1perinatal death); Nyabikenke DH, Gatunda DH, Gisagara HC in Kibilizi DH, Kibungo RH, Muyumbu HC in Rwamagana PH, Nkungu HC in Mibilizi DH (each one reported 1under 5 years death); Kirinda DH (1death due to severe malaria)

Distribution of deaths by health facilities:



Distribution of deaths by health facilities in Epi week 36

OUTBREAK AND EVENT UPDATES IN EPIDEMIOLOGICAL WEEK 36

1. Foodborne illnesses outbreak in Kayonza District, Rwinkwavu DH

Confirmed cases	0	Date reported:	September 8, 2024	Risk assessment	Low
Suspected cases	33	Source:	eIDSR		
Death(s)	0	District/HFs:	Rwinkwavu DH		
Total cases	33	Geoscope:	Low		

Description: On September 8, 2024, the incident occurred in Rwinkwavu DH, where 33 patients were reported to have been affected, the doctor's report indicates symptoms such as mild abdominal pain, subjective diarrhea with no fever. It was reported that the cause might be food intoxication to rule out other causes. Normally food is provided by PIH through Solid Africa. The patients were not critically ill, they were treated, no death reported.

Actions taken:

- Samples were collected for laboratory investigation
- The Hospital provided symptomatic treatment

2. Ongoing Mpox outbreak reported in Rwanda

Rwanda confirmed its first two cases of Mpox on July 24, 2024. As of epidemiological week 36, a total of 1,379 suspected cases have been reported, including 263 new suspected cases. Four cases have been confirmed through laboratory testing and all four cases involving individuals with a history of international travel prior to symptom onset. They received treatment, have fully recovered and been discharged. No new confirmed cases identified during this epi week.

Actions taken

- Case management
- Community sensitization on Mpox prevention
- Active case searching in community through house-to-house visits conducted by CHWs

eIDSR REPORTS COMPLETENESS & TIMELINESS EPIDEMIOLOGICAL WEEK 36

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 36, the overall completeness and timeliness of disease surveillance data reporting in Rwanda, was scored to 98% and 95%, 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: King Faysal referral hospital and one with moderate score: Butaro DH.

Notes: The health facility that did not have a high score for the 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	W36		
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	93	100	100	100	100	100	93	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	89	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Ngarama	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	100	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	89	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	90	
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	94	100	100	100	94	
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	95	
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	94	
Nyamata	100	88	100	100	94	94	100	100	100	100	94	94	76	94	88	100	94	88	88	88	94	88	82	88	94	100	94	100	100	100	100	100	100	100	100	94		
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	89	
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	90	100	100	100	100	90	100	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	100	100	100	100	100	100	100	100	100	100	100	94	94	100	100	
Byumba	100	100	100	100	100	100	100	100	96	100	96	100	100	100	96	100	96	100	100	96	96	100	100	100	100	96	85	96	92	96	96	96	100	100	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	100	95	100	100	100	95	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	100	100	100	100	100	100	100	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	88	
Remera																																						
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	
Nyanza	100	95	95	95	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	100	
Kigeme	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	100	100	100	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	94
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	100	93	100	100	100	100	100	100	100	100	100	100	100	100	100	93	100	100	100	86	
Kibuye	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	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	100	71	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	94	94	100	100	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	90	
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	100	90	100	10																	

Hospital catchment area	Timeliness																																					
	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	W36		
Nyagatare	93	93	100	100	100	93	100	93	100	100	93	86	86	86	86	100	100	79	93	86	100	93	100	71	100	100	93	86	93	93	100	100	100	86	86	86		
Gatunda	100	100	100	100	100	100	100	100	100	89	89	100	67	89	100	89	100	89	100	100	100	89	89	100	100	100	100	100	89	89	100	100	89	100	100	89	89	
Ngarama	100	100	100	100	100	100	100	100	100	100	100	88	100	100	100	88	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	92	100	100	100	100	100	100	100	100	100	100	100	100	100	92	100	100	100	100	85	100	100	100	100	100	100	100	100	100	100	100	100	100	
Gahini	100	100	100	100	100	100	100	89	100	100	100	89	100	100	100	89	89	100	100	100	100	100	100	78	100	100	100	71	100	86	100	100	86	100	100	100		
Rwinkwavu	100	88	100	100	88	100	100	100	100	100	100	100	50	88	88	63	100	100	100	63	100	100	100	75	88	88	100	60	100	90	100	100	90	100	100	90		
Kibungo	94	100	100	100	100	100	100	100	100	94	94	94	94	100	94	94	94	100	94	100	94	88	100	100	100	100	100	94	94	100	100	94	94	100	100	94	94	
Kirehe	100	100	100	100	90	100	100	100	100	100	100	95	95	90	100	100	95	100	100	95	100	100	100	95	100	100	90	95	95	100	95	95	95	100	95	95	100	95
Rwamagana	83	100	100	94	89	83	94	100	100	94	89	100	83	83	83	100	100	100	83	83	94	100	94	89	94	94	89	61	100	100	78	94	100	100	94	89		
Nyamata	100	100	100	88	94	94	94	88	94	94	100	71	94	76	100	100	88	82	82	88	88	88	65	76	76	76	65	94	94	94	82	82	88	100	88			
Kinihira	100	89	89	100	100	100	100	100	100	100	100	89	89	89	100	100	78	100	100	100	89	100	100	100	89	89	100	89	100	100	100	78	100	100	89			
Rutongo	100	100	87	100	100	100	100	100	100	100	100	100	100	100	100	100	100	93	100	93	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		
Gatonde	100	100	100	100	100	100	86	100	100	100	100	100	71	100	100	100	100	100	100	100	86	86	86	86	100	100	100	75	100	100	86	86	100	100	100	100		
Butaro	100	95	95	100	90	100	100	100	100	90	100	90	85	90	80	85	95	95	95	90	100	100	100	80	95	95	90	100	90	95	100	80	85	95	100	75		
Ruli	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	89	100	100	100	100	89	100	100	100	100	100	100	100	100	100	100	100	100	100	
Nemba	100	100	100	100	100	90	100	100	100	80	100	100	90	100	100	100	90	90	100	100	100	100	100	80	100	100	100	100	100	100	100	100	100	100	100	100	90	
Ruhengeri	94	94	100	94	89	89	100	100	100	100	89	100	94	100	100	94	100	94	100	94	94	100	83	83	100	100	100	94	94	100	94	94	89	94	94	94		
Byumba	100	100	100	100	100	100	100	100	96	100	96	100	100	100	96	96	96	100	100	96	100	92	100	100	100	100	95	96	88	92	96	92	100	100	100	100		
CHUB	100	100	100	100	100	100	100	100	100	100	100	100	0	100	100	100	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		
Kabutare	95	100	95	100	95	100	89	100	95	100	95	100	89	95	100	100	95	100	95	95	95	100	89	100	95	95	100	95	95	89	100	100	95	100	100	100		
Kabgayi	100	100	92	100	100	100	85	92	100	92	100	77	77	92	100	100	85	100	100	100	100	92	92	92	100	100	92	85	100	100	85	100	100	100	100	100		
Kibilizi	100	91	100	100	91	100	100	100	100	91	91	100	100	100	91	100	100	91	100	91	82	100	91	100	100	100	100	100	100	91	100	100	100	91	100	100		
Gakoma	83	100	100	100	83	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	83	83	100	100	100	100		
Gitwe	100	100	89	100	78	78	100	100	78	100	100	100	89	89	100	100	100	89	100	67	100	100	100	89	100	100	100	89	100	100	100	100	100	100	100	100	100	
Ruhango	100	88	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	88	100	100	100	88	100	100	100	88	100	100	88	100	100	100	100	88		
Remera																																						
Rukoma	100	100	100	93	93	93	100	93	100	100	93	100	73	100	93	100	100	100	93	100	100	80	87	100	100	100	100	93	100	100	100	100	93	93	100	100		
Nyanza	95	95	100	100	89	95	95	95	95	89	100	100	100	100	89	100	100	89	100	100	95	95	89	79	95	95	100	100	95	100	100	100	95	89	89	89		
Kigeme	100	100	100	100	100	100	100	100	92	100	100	100	92	100	100	100	100	100	100	92	92	100	100	85	100	100	100	92	100	92	92	100	85	100	100	100		
Kaduha	100	90	100	100	100	100	100	90	90	100	80	91	100	100	100	90	100	100	100	100	90	90	100	100	90	90	100	100	100	90	100	100	100	100	100	100		
Munini	100	100	100	100	100	88	94	100	100	100	100	100	100	100	94	88	100	100	100	100	100	100	88	100	100	100	100	100	100	100	100	100	100	100	100	94		
Bushenge	100	100	88	100	88	100	88	88	100	100	88	100	100	75	100	100	88	100	75	100	100	100	100	100	100	100	100	88	88	100	100	100	100	100	100	100		
Kibogora	100	100	100	93	100	100	100	100	100	100	100	100	100	100	100	100	100	93	100	100	100	100	100	100	100	100	100	100	86	93	100	100	100	100	100	86		
Kibuye	100	100	100	100	100	92	92	100	100	100	92	100	100	85	100	92	100	100	100	100	100	100	85	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Kirinda	100	100	100	100	100	83	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	83	100	100	100	100	100		
Mugonero	100	100	100	100	86	100	100	100	86	100	100	100	100	100	100	100	100	100	100	86	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	94	100	88	94	94	94	100	100	88	94	94	100	100	100	88	100	82	100	88	88	100	100	94		
Muhororo	100	100	90	100	100	100	100	100	100	80	100	100	100	90	90	100	100	90	100	100	100	100	100	100	90	100	100	90	80	100	90	90	100	100	100	90		
Kabaya	100	100	86	100	100	86	100	86	100	100	100	71	100	100	86	100	100	100	100	100	100	100	100	100	100	100	100	71	100	100	100	100	86	86	100	100		
Gihundwe	100	100	100	100	70	100	100	90	100	100	100	100	100	90	80	100	90	90	90	90	100	90	90	90	100	100	90	100	90	100	100	90	100	100	100	100		
Mibilizi	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	
Gisenyi	94	100	100	94	100	88	100	100	100	94	100	100	100	88	100	100	94	100	94	100	94	100	88	94	100	8												