



WEEKLY EPIDEMIOLOGICAL BULLETIN

WEEK 30– 2024

(22-28 July 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 30/2024

Event Based Surveillance (EBS) Highlights:

- **Alert from community:** 5 alerts: 4 Human Deaths, 1 Dog Bites
- **Alert from EIOS:** two alerts
 - Cholera suspected in North Darfur camp
 - Strange hepatitis among Ondo residents worries government / Nigeria

● Indicator Based Surveillance (IBS) Highlights:

- 173 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 30 revealed that non bloody diarrhea cases surpassed the epidemic thresholds.
- A total of 70 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.

● Sentinel surveillance

- Update on trend of influenza in Rwanda.

● Outbreaks and events updates in week 30

- Foodborne illnesses outbreak reported in Kicukiro District / Masaka Sector
- Mpox outbreak in Rwanda

● Completeness and timeliness

In Epi Week 30, the overall completeness and timeliness of surveillance data reporting in Rwanda was 99% and 96% respectively.

WEEKLY UPDATES ON EVENT BASED SURVEILLANCE (EBS) EPIDEMIOLOGICAL WEEK 30

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.

COMMUNITY BASED SURVEILLANCE

- **Alert from community:** 5 alerts
 - 4 Human Deaths (HD)
 - 1 Dog Bite (DB)

- **Alert from EIOS:** 2

1. **Cholera suspected in North Darfur camp**

Summary: Several suspected cases of cholera have been identified in Zamzam camp for displaced people, near to the North Darfur capital El Fasher. Medical sources sound the alarm, as health care in the state approaches complete collapse due to the ongoing hostilities. Most of the stock of medicines was burned when the kidney dialysis centre warehouse was destroyed, allegedly by RSF action.

<https://gphin.canada.ca/cepr/showarticle.jsp?docId=1016921320>

2. **Strange hepatitis among Ondo residents worries government / Nigeria**

Summary: Hepatitis is a viral infection that targets the liver, causing inflammation and affecting its ability to function properly. Hepatitis A and E are transmitted through ingestion of contaminated food or water. It is often associated with poor sanitation. The state government is in the process of securing additional financing running into several billions of Naira from development partners.

<https://www.premiumtimesng.com/news/top-news/718189-strange-hepatitis-among-ondo-residents-worries-government.html>

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 30

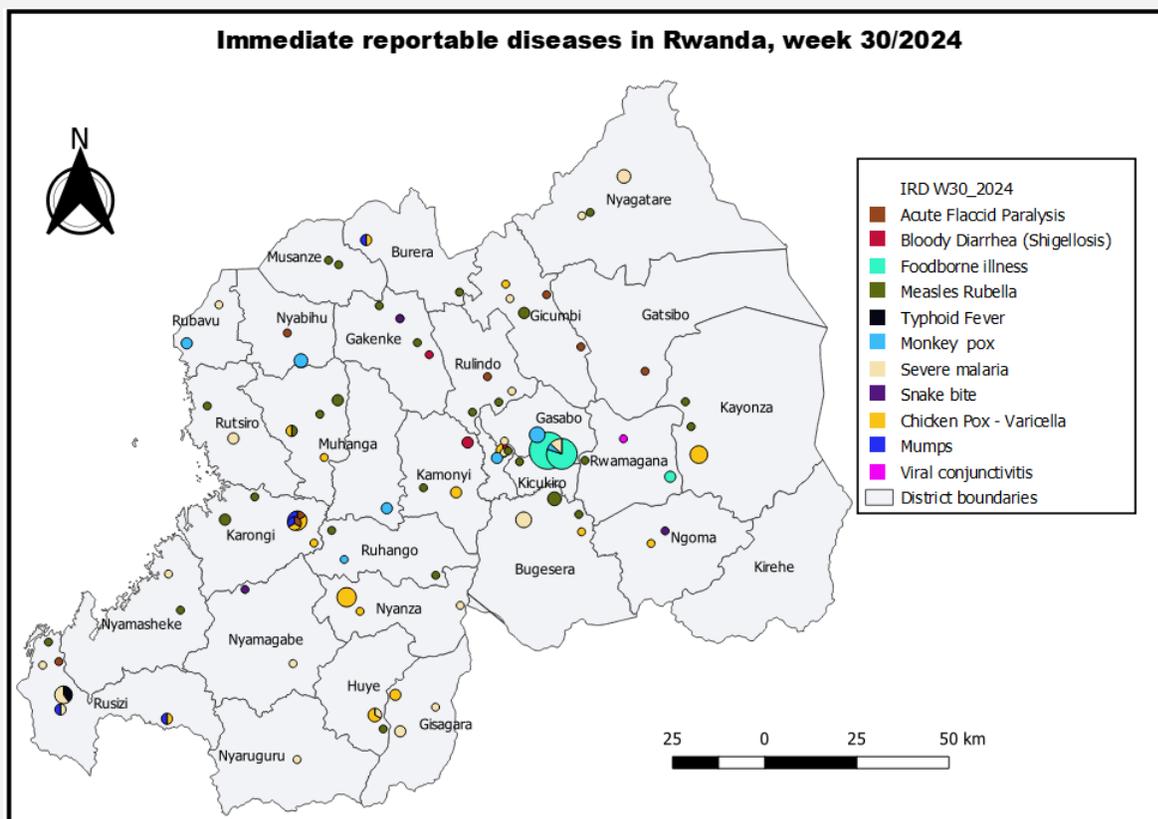
During this Epi week, 173 cases of immediate reportable diseases were notified:

- 34 cases of chicken pox were reported by 18 HFs. No HF crossed the threshold.
- 6 cases of mumps were reported by 5 HCs. No HF crossed the threshold.
- 1 case of viral conjunctivitis were reported by 1 HC. No HF crossed the threshold.
- 4 suspected cases of bloody diarrhea (Shigellosis) were reported by 3 health facilities. The samples were taken and sent to NRL.
- 33 suspected cases of Measles/Rubella were reported by 28 HCs. Samples were taken and sent to NRL.
- 31 cases of severe malaria were reported by 21 health facilities.
- 8 suspected cases of acute flaccid paralysis were reported by 8 health facilities, the samples were taken and sent to NRL for transportation to UVRI laboratory.
- 2 suspected cases of typhoid fever reported by 1 health facility. The samples were taken and sent to NRL
- 15 suspected cases of Mpox were reported by 7 health facilities.
- 36 cases of foodborne illnesses were reported by 2 health facilities.
- 3 cases of snake bite were reported by 3 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 30/2024



Distribution of immediate reportable diseases in Epi week 30

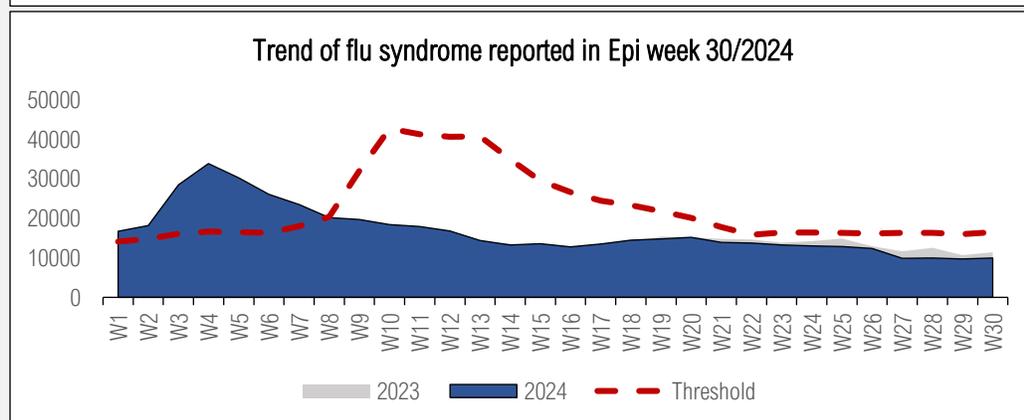
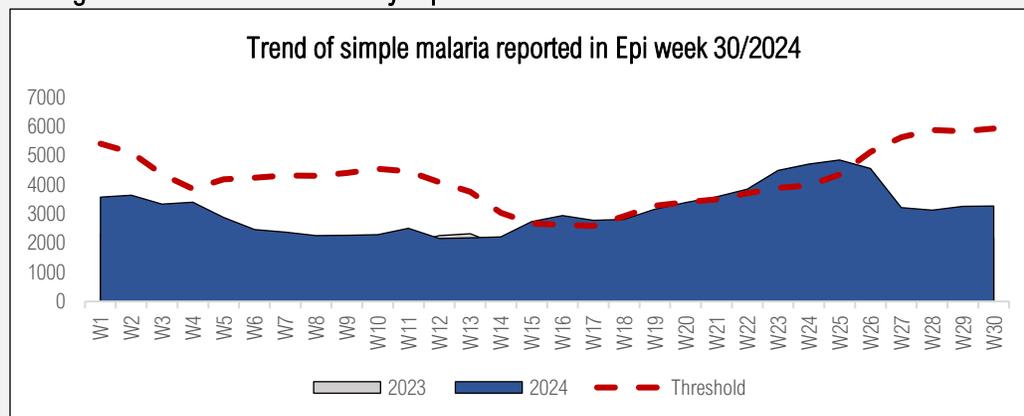
B. WEEKLY REPORTABLE DISEASES – EPI WEEK 30

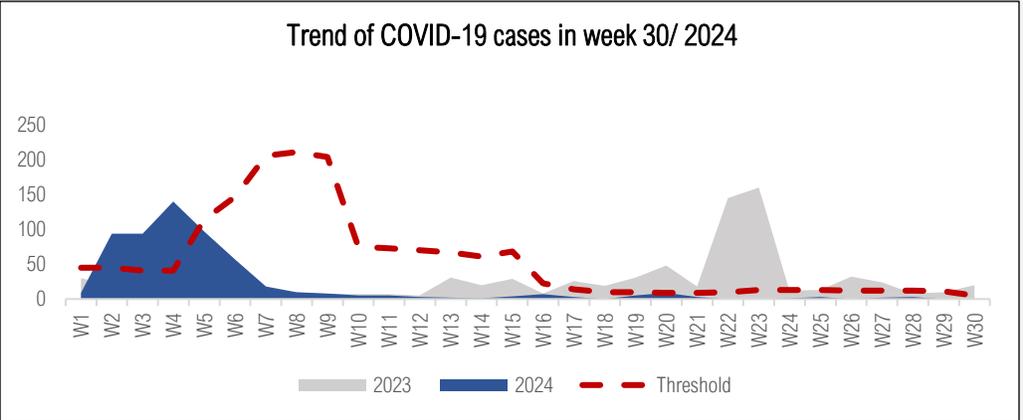
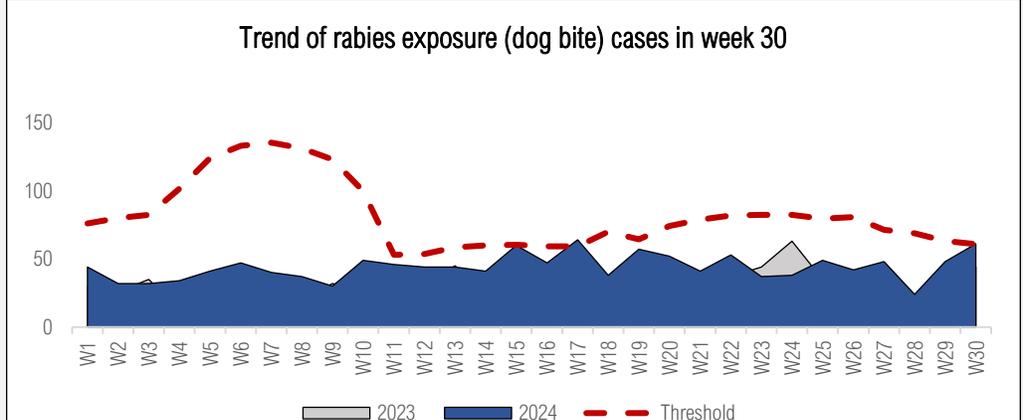
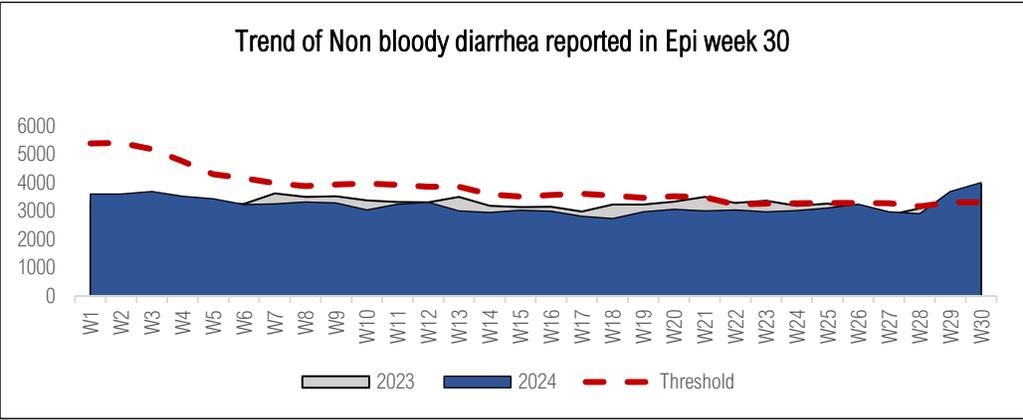
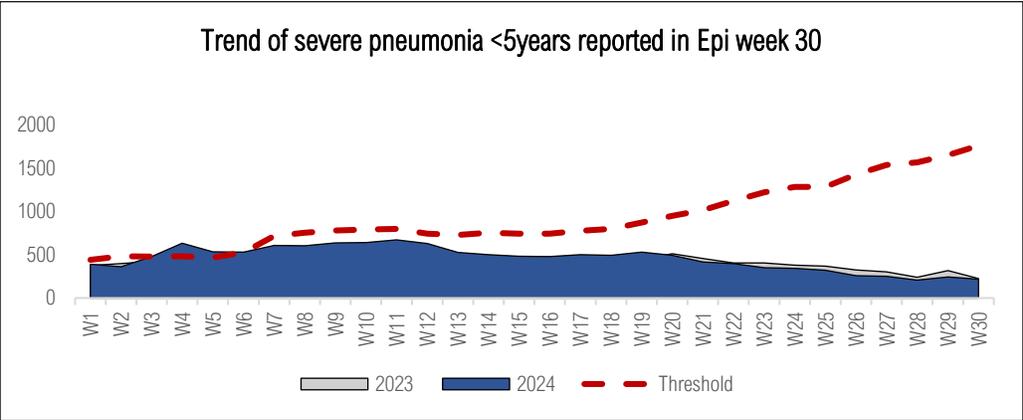
Description: In Rwanda, after the adaptation of the IDSR guidelines 3rd edition, eight diseases events are being reported and analyzed on a weekly basis. These include flu syndrome, simple malaria, severe pneumonia for under 5 years, non-bloody diarrhea for under 5 years, COVID-19, dog bites, brucellosis,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

In Epi Week 30, 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 that that non bloody diarrhea cases surpassed the thresholds in some health facilities including Byumba DH (Bushara HC, Byumba HC), Gakoma DH (Gakoma HC, Gikonko HC), Gatunda DH, Kabaya DH (Ramba HC), Kaduha DH (Kaduha HC), Kibilizi DH (Gisagara HC), Kibogora DH (Gatare HC, Ngange HC), Kibungo RH (Nkanga HP, Rukoma-Sake HC), Kibuye RH (Musango HC, Kirambo HC), Kigeme DH (Cyanika HC), Kirehe DH (Mahama Refugee camp I, Mahama Refugee camp II), Nemba DH (Bushoka HC, Nganzo HC, Rutenderi HC), Nyamata DH (Nyamata DH, Juru HC), Ruhengeri RH (Kinigi HC).

NB: Those district hospital are recommended to conduct the investigation and reinforce preventive measures.

The figures below show the weekly reportable diseases trends:

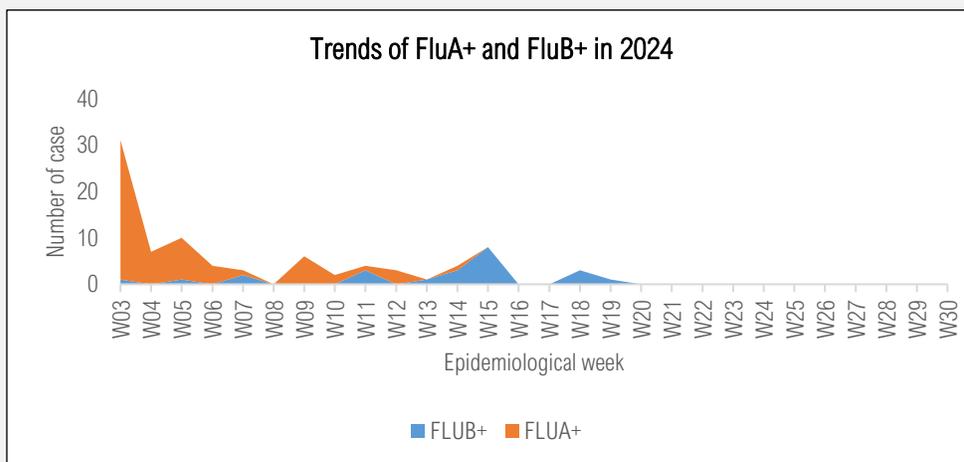




SENTINEL SURVEILLANCE

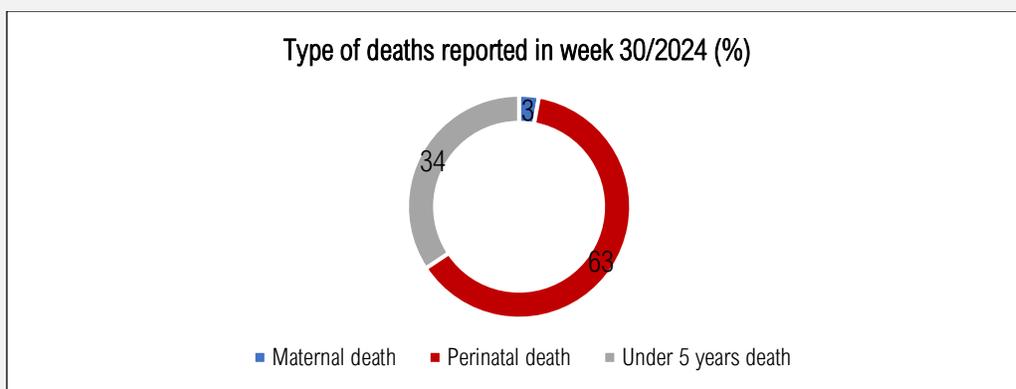
Trend of influenza

During the 30th Epidemiological week, **29** samples were collected from sentinel sites. **(10)** from GIHUNDWE RH and **(19)** from KIBUNGO RH. Out of the 29 samples received and tested by the National Reference Laboratory (NRL), **all** tested negative for all influenza subtypes with **0** co-infection cases, and **0** positive cases for COVID-19.



C. DISTRIBUTION OF REPORTED DEATHS IN eIDSR – EPIDEMIOLOGICAL WEEK 30

As summarized in the Pie Chart below, a total number of 70 deaths were reported through the electronic Integrated Disease Surveillance and Response (eIDSR) system. Among these deaths, 44(63%) were perinatal deaths, 24 (34%) were the deaths of children under 5 years old (including 1 death due to non-bloody diarrhea), 2 (3%) maternal death.



Cause of deaths declared in epi week 30

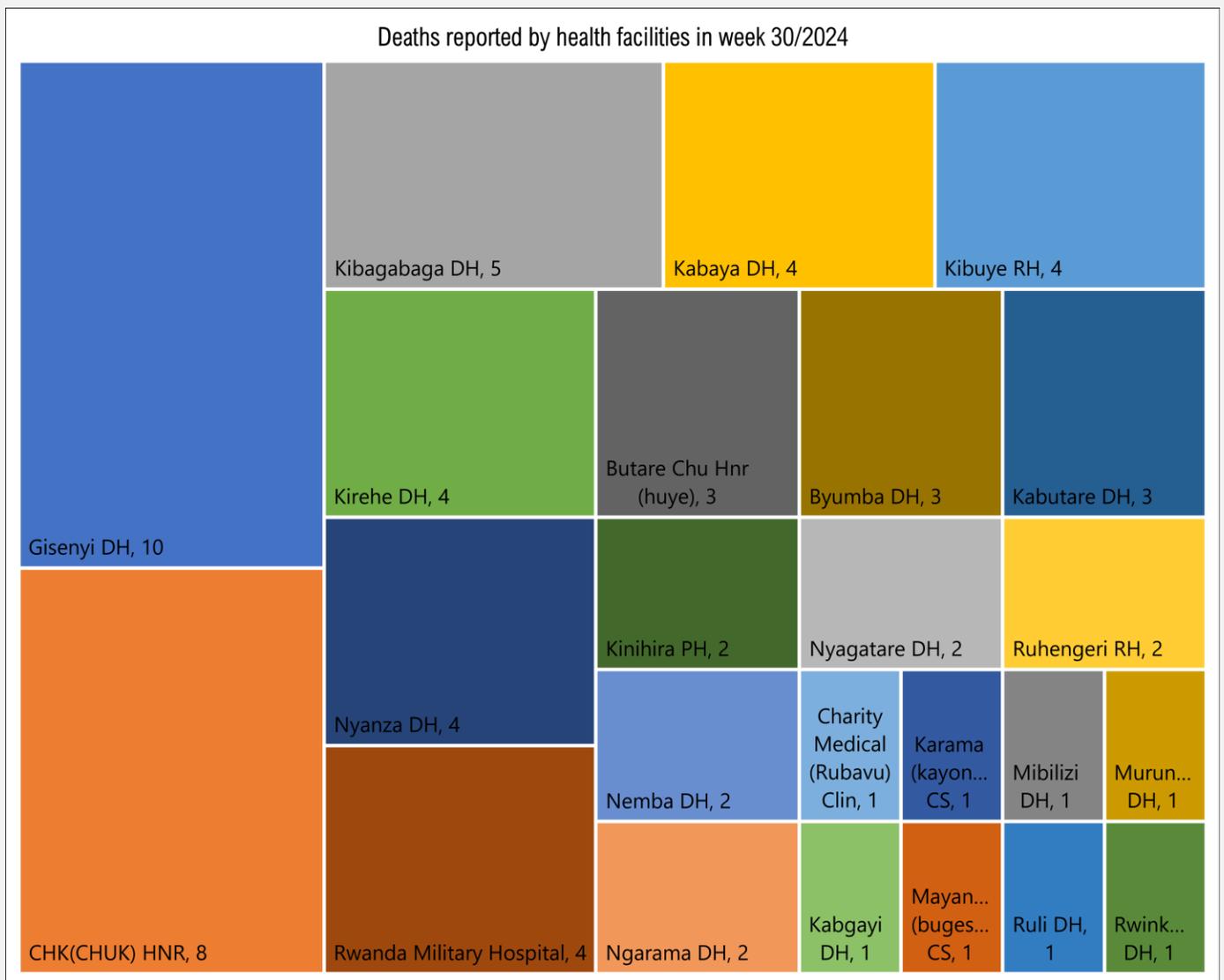
70 deaths were reported from various catchment areas as follow:

- 10 deaths were reported by Gisenyi DH (8 perinatal deaths and 2 under 5 years deaths)
- 8 deaths were reported by CHUK (6 under 5 years deaths and 2 perinatal deaths)
- 5 deaths were reported Kibagabaga DH (4 perinatal deaths and 1 under 5 years death)
- 4 deaths were reported respectively by Kabaya DH and Kibuye RH (each one reported 3 perinatal deaths and 1 under 5 years death), Kirehe DH(2 perinatal deaths and 2 under 5 years deaths), Nyanza DH (all

were perinatal deaths), Rwanda Military Hospital (1 maternal death, 2 perinatal deaths and 1 under 5 years death)

- 3 deaths were reported by CHUB ((1 maternal death, 2 perinatal deaths), Byumba DH (1 perinatal death and 2 under 5 years deaths), Kabutare DH (all were perinatal deaths)
- 2 deaths were reported respectively by Kinihira PH, Ngarama DH, Nemba DH, Ruhengeri RH (each one reported 1 perinatal death and 1 under 5 years death), Nyagatare DH (1perinatal death)
- 1death was reported respectively by Karama HC in Rwinkwavu DH, Murunda DH, Rwinkwavu DH (each one reported 1perinatal death), Charity medical clinic in Gisenyi DH, Kabgayi DH, Mayange HC in Nyamata DH, Mibilizi DH, Ruli DH (one reported 1 under 5 years death),

Distribution of deaths by health facilities:



Distribution of deaths by health facilities in Epi week 30

OUTBREAK AND EVENT UPDATES IN EPIDEMIOLOGICAL WEEK 30

1. Foodborne illnesses outbreak in Kicukiro District / Masaka Sector

Confirmed cases	0	Date reported:	July 22, 2024	Risk assessment	Low
Suspected cases	39	Source:	eIDSR		
Death(s)	0	District/HFs:	Masaka HC/ Masaka DH		
Total cases	39	Geoscope:	Low		

Description

On 22 July 2024, Masaka District Hospital and Health Center received 39 patients from Cyeru Village, Rusheshe Cell, Masaka Sector. These individuals had consumed sorghum beer on 21st during a family gathering. All patients reported symptoms of diarrhea, vomiting, abdominal pain, and headache. All cases were managed by the hospital and health center, and currently, all patients are stable. No samples of the beer have been taken.

Action Taken:

Case management.

2. Mpox outbreak reported in Rwanda

Confirmed cases	2	Date reported:	July 20, 2024	Risk assessment	Low
Suspected cases	15	Source:	eIDSR		
Death(s)	0	District/HFs:	15 health facilities		
Total cases	17	Geoscope:	Low		

Description

-The first case of Mpox identified is a 33-year-old female trader from Bugarama Sector, Rusizi District. The patient's symptoms, which included skin rash and fever, first appeared on July 18, 2024. She was detected at a border crossing point with the Democratic Republic of Congo (DRC). Her initial medical consultation took place at Islamic Health Center on July 20, 2024, followed by isolation at Gihundwe Hospital on July 23, 2024. Laboratory analysis of a sample collected on July 23, 2024, confirmed Mpox infection the next day (July 24, 2024), with a CT value of 12.73. The patient's recent travel to the DRC, where an ongoing Mpox outbreak was reported, is considered the likely source of infection. Through contact tracing efforts, 4 individuals were identified as potential contacts.

-The second confirmed Mpox case in Rwanda was a 34-year-old male from Gasabo District, Kimironko Sector. His symptoms began on July 19, 2024, and he was detected at a health facility on July 23, 2024, four days after symptom onset. The patient had a skin rash, fever, sore throat, and swollen lymph nodes. He was examined and isolated at Kibagabaga Hospital on the day of detection. A sample collected on July 23, 2024, tested positive for Mpox on July 24, 2024, with a CT value of 17.05. The likely source of infection was reported as unprotected

sexual contact with a Congolese individual while in the DRC, about a week before his symptoms started. Contact tracing identified 7 linked contacts.

As of Monday 29/08/2024, 15 suspected cases of Mpox had been reported in 7 health facilities.

Action taken

Case management

eIDSR REPORTS COMPLETENESS & TIMELINESS EPIDEMIOLOGICAL WEEK 30

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 30, the overall completeness and timeliness of disease surveillance data reporting in Rwanda, was scored to 99% and 97%, respectively. All hospitals had the high score (>80%), except Mugonero DH that had a moderate score for the completeness and timeliness.

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.

	Completeness																														
Hospital catchment area	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	
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	93	100	100	
Gatunda	100	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	
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	
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	
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	89	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	70	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	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	95	100	100	100	100	
Rwamagana	94	94	100	100	94	94	100	100	100	100	100	89	100	94	100	100	100	100	100	100	100	100	94	100	100	100	100	100	100	100	
Nyamata	100	88	100	100	94	94	100	100	100	100	94	94	76	94	88	100	100	94	88	88	88	94	88	82	88	94	100	94	100	100	
Kinihira	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	
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	
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	
Bularo	100	100	100	100	100	100	100	100	100	100	100	100	85	100	100	100	100	100	100	100	100	95	100	100	100	95	100	85	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	
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	
Ruhengeri	100	100	100	94	89	89	100	100	100	100	89	100	94	100	100	100	100	100	100	94	94	100	100	94	100	100	100	100	100	94	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	
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	
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	
Kabgayi	100	100	100	100	100	100	100	100	100	100	100	100	85	100	100	100	100	100	100	100	100	100	100	92	100	100	100	100	92	100	
Kibilizi	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	
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	
Gitwe	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	
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	88	100	100	100	
Remera	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	
Rukoma	100	100	100	100	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	
Nyanza	100	95	95	95	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	
Kigeme	100	100	100	100	100	100	100	100	92	100	100	100	100	100	100	100	100	100	100	100	100	100	100	92	100	100	100	92	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	
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	
Bushenge	100	100	100	100	88	100	88	100	88	100	88	100	88	100	88	100	100	100	100	100	100	100	100	100	100	88	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	93	100	
Kibuye	100	100	100	100	100	100	100	100	100	100	92	100	100	100	100	100	100	100	100	100	100	100	92	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	
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	71	
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	88	
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	
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
Gihundwe	100	100	100	100	80	100	90	100	100	100	100	100	100	100	90	100	100	100	90	100	100	100	100	100	100	100	100	100	90	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	
Gisenyi	100	100	100	100	100	88	100	100	100	100	94	100	100	100	94	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Murunda	95	100	100	100	100	95	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	95	100	100	95	100	100	100	100	100	
CHUK	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Nyarugenge	89	100	100	100	100	100	100	100	100	100	100	100	78	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Muhima	100	100	100	100	100	100	100	100	100	100	100	100	50	100	100	100	100	100	100	100	100	100	75	100	100	100	100	100	100	100	
RMH	0	100	100	100	100	100	100	100	100	100	100	100	100	100	0	100	100	100	100	100	100	100	100	0	100	100	100	100	100	100	
Masaka	92	100	100	100	100	100	100	100	100	100	100	100	100	100	92	100	100	100	100	100	100	100	100	92	100	100	100	100	100	92	
Kigababaga	95	100	100	90	95	90	95	95	95	85																					

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	
Nyagatare	93	93	100	100	100	93	100	93	100	100	93	86	86	86	100	100	79	93	86	100	93	100	71	100	100	93	86	93	86	93	
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
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
Kiziguro	100	100	100	100	92	100	100	100	100	100	100	100	100	100	100	100	100	92	100	100	100	100	100	85	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	
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	
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	94	94	100	100	
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	
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	
Nyamata	100	100	100	88	94	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	
Kinshira	100	89	89	100	100	100	100	100	100	100	100	100	89	89	89	100	78	100	100	100	89	100	100	100	89	89	100	89	100	100	
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	
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	
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	
Ruli	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	
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
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	
Byumba	100	100	100	100	100	100	100	100	96	100	96	100	100	100	96	96	96	96	100	100	96	100	92	100	100	100	95	96	88	92	
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	
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	95	
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	
Kibilizi	100	91	100	100	91	100	100	100	100	100	91	91	100	100	100	91	100	100	91	82	100	91	100	100	100	100	100	100	100	91	
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	
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	
Ruhango	100	88	100	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	
Remera	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	
Nyanza	95	95	100	100	89	95	95	95	95	89	100	100	100	100	89	100	89	100	100	95	95	89	79	95	95	100	100	100	100	95	
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	
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	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	
Bushenge	100	100	88	100	88	100	88	88	100	100	88	100	100	75	100	100	100	88	100	75	100	100	100	100	100	100	100	88	88	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	
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	
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	
Mugonero	100	100	100	100	86	100	100	100	86	100	100	100	100	100	100	100	100	100	100	100	86	100	100	100	100	100	100	100	100	71	
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	
Muhororo	100	100	90	100	100	100	100	100	80	100	100	100	90	90	100	100	90	100	100	100	100	100	90	100	100	90	80	100	90	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	71	100	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	100	100	100	100	90	100	90	
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	
Gisenyi	94	100	100	94	100	88	100	100	100	100	94	100	100	100	88	100	100	94	100	94	100	100	88	94	100	100	88	94	88	100	
Murunda	95	100	100	100	100	95	100	100	95	95	100	100	100	95	100	100	100	100	100	100	100	95	100	84	95	95	95	100	100	95	
CHUK	100	0	100	100	100	100	100	100	100	100	100	100	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Nyarugenge	89	89	89	100	100	100	100	100	100	100	100	89	67	100	100	100	100	100	100	100	89	100	100	100	100	100	100	67	100	100	
Muhima	100	100	100	100	100	100	100	100	75	100	100	100	50	100	100	75	100	100	100	100	100	75	75	100	100	100	75	100	100	100	
RMH	0	100	100	100	0	100	100	100	100	100	100	100	100	0	100	100	100	100	100	100	100	100	100	0	100	100	100	100	100	100	
Masaka	92	100	100	100	100	100	100	100	100	100	100	100	100	100	92	100	92	100	100	100	100	100	92	92	100	100	100	100	100	92	
Kigababaga	80	95	100	85	100	70	90	95	80	85	90	85	70	65	100	80	95	90	85	85	90	95	70	65	85	85	100	65	90	95	
Kacyiru	100	0	100	0	0	0	0	100	0	100	100	0	100	0	100	0	100	0	0	100	100	100	100	0	0	0	100	0	0	100	
KFH	0	100	100	100	0	0	100	100	0	0	100	100	100	0	100	100	100	100													