

### SITUATION REPORT ON THE MONKEYPOX OUTBREAK

Date of the 1st confirmed case: 25 July 2024 SITREP N° 0114 Written and Published on November 18 - 2024

# I. EPIDEMIOLOGICAL SITUATION: KEY FIGURES

ELEMENTS CLES	Staff
Number of confirmed cases of the day (on 18/11/2024)	33
Cumulative confirmed cases	2083
Number of deaths of the day (18/11/2024)	0
Cumulative deaths	1
Number of suspected cases of the day (on 18/11/2024)	55
Cumulative number of suspected cases	4252
Number of today's warnings (on 18/11/2024)	60
Cumulative alerts	4934
Number of active (hospitalized) cases of the day (18/11/2024)	33
Number of recovered patients discharged during the day (on 18/11/2024)	23
Cumulative number of healed persons discharged	1108
Cumulative active cases (hospitalized)	975
Number of new contacts traced of the day (18/11/2024)	130
Cumulative traced contacts	10195
Number of tests carried out today (on 18/11/2024)	82
Cumulative tests carried out	4417
Overall positivity rate	47.2%
Number of new health districts affected by the day	1
Cumulative number of health districts affected	45
Number of active health districts	29
Proportion of active health districts	69.0

## II. Highlights

- The new health district affected: DS NGOZI;
- · Deployment of the mobile laboratory at the Gitega Regional Hospital;
- Deployment of the mobile laboratory at the Kamenge District Hospital.

#### III. Epidemiological context of Burundi

- Mpox (monkeypox) is a viral disease caused by simian orthopoxvirus, with two clades (I and II). The 2022-2024 epidemic has affected more than 120 countries, causing more than 100,000 cases and 1000 death. In 2024, an upsurge in Africa, particularly in the Democratic Republic of Congo, involves two distinct epidemics (clades Ia and Ib). Clade Ib has spread to neighbouring countries in particular Burundi, Kenya, Rwanda and Uganda. On August 14, the World Health Organization (WHO) Mpox has been declared a Public Health Emergency of International Concern (PHEIC). One day previously, the Africa CDC classified it as a Continental Public Health Emergency (PHECS). The Transmission occurs primarily through close human-to-human contact, including sexual contact.
- Africa remains the most affected continent, with more than 15 countries affected. The DRC is particularly impacted, accounting for about 85% of cases and 80% of deaths reported in the region as a whole Africa.
- In Burundi, the first case of Mpox was reported on 25 July 2024, identified as belonging to the clade.
   Ib and related to the epidemic in the DRC.

### IV. Epidemiological evolution

### 1. Notification of suspected cases:

Table 1: Distribution of suspected cases by health district as of 18-November-2024

NIO LI	ealth District Invest	Total Alerts	Validated and				
N FI	eaith District invest	1917/11/2024 V	18/11/2024	to 18/11/2024		Collected	
1	Bears	1	0	1	0	0	To investigate
2	Disclaimer	2	0	2	0	0	To investigate
3	Nyabikere	4	4	8	0	0	To investigate
4	Rutana	6	0	6	0	0	To investigate
5	Bubanza	1	0	1	0	0	To investigate
6	Gashoho	1	0	1	0	0	To investigate
7	Giteranyi	1	1	2	0	0	To investigate
8	Murore	3	0	3	0	0	To be investigated
							1 in isolation and 5
9	Kibuye	5	1	6	1	1	Lost to Follow-Up
10	Matana	1	0	1	0	0	To investigate, 19
							in isolation and 1
11	Bujumbura Nord	0	20	20	20	19	Not validated
12	Bujumbura Centre	0	2	2	0	0	To investigate
13	Bujumbura Sud	0	1	1	0	0	To investigate
14	Mukenken	2	0	2	2	2	2 in isolation
15	Mutaho	4	0	4	0	0	To investigate
16	Butezi	2	0	2	0	0	To investigate
17	Skin	2	0	2	0	0	To investigate
18	Nyanza-lac	0	1	1	0	0	To investigate

No.	Health District	Alerts as of 17/11/2024	Alerts for 18/11/2024	Total alerts as of 18/11/2024	Research	Validated and collected	Comments
							2 in isolation and
19	Rumonge	4	0	4	2	2	2 lost to follow-up
20	Gitega	6	2	8	2	2	2 in isolation
21	Ryansoro	5	4	9	9	9	9 in solitary confinement
22	Bukinanyana	1	1	2	0	0	To investigate
23	Screams	3	0	3	0	0	To investigate
24	Gisuru	1	0	1	0	0	To investigate
25	Musema	3	0	3	0	0	To investigate
26	Kirundo	2	0	2	2	2	2 in isolation
27	Isare	0	9	9	9	9	9 in solitary confinement
28	Kayanza	0	5	5	0	0	To investigate
29	Muramvya	0	1	1	0	0	To investigate
30	Cankuzo	0	4	4	4	4	4 in isolation
31	Mabayi	0	3	3	0	0	To investigate
32	Kabezi	1	1	2	2	2	2 in isolation
33	Muyinga	3	0	3	3	3	3 in isolation
34	Makamba	2	0	2	0	0	To investigate
	Total	66	60	126	56	55	

As of 18.11.2024, **60 new alerts** have been reported in **16** health districts, in addition **to 66** alerts that have not been investigated as of 17.11.2024. Out of a total of **126** alerts, **56** were investigated and 55 were validated and collected. All these alerts are spread over **34/49 health districts** (detailed in the table above).

The cumulative number of alerts notified since the beginning of the epidemic amounts to 4929, distributed as follows:

- 4516 alerts investigated (91.5%):
  - o 4252 alerts validated and collected (94.2%)
  - o 4 alerts validated and not taken (0.08%)
  - o 260 alerts not validated (5.7%)
- 436 alerts not investigated (8.8%):
  - o 366 alerts lost to follow-up (83.9%)
  - o 70 alerts awaiting investigation (16.0%)

The investigation rate of mpox alerts in Burundi is 91.5%, while the rate of validation of alerts as suspected cases is estimated at 94.2%. Efforts are being made with the health districts to reduce the proportion of uninvestigated alerts, which is estimated at 8.8%.

### 2. Distribution of cases by health district

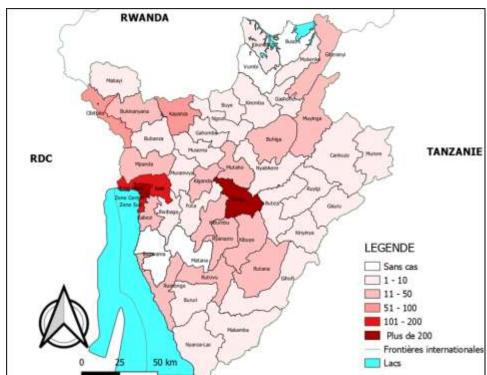


Figure 1. Location of affected health districts

Thirty-three (33) new positive cases have been reported as of 18-November-2024. A cumulative of forty-four (45) districts out of the country's 49 health districts have reported at least one confirmed case of Mpox, i.e. 91.8% of the districts.

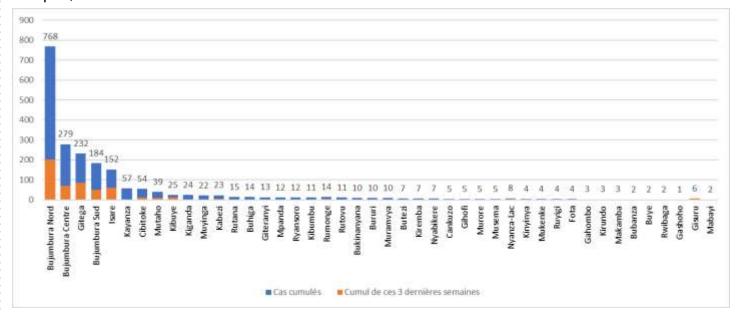


Fig2.Distribution of cases in the last 3 weeks (N=2083).

Out of a total of **2083** cases reported, **3 districts** of the **Bujumbura City Hall** recorded **1231** cases or **59.0%**. The district of **Bujumbura North** is the most affected in the country with **769 cases (36.9%)**. Of the **45** districts affected by Mpox, **29** DS have recorded at least one confirmed case in the past 3 weeks.

Table 3: Distribution of cases in Bujumbura City Hall by area of origin

HEALTH DISTRICT	COMMUNE	ZONE	CASE	TOTAL CASES BY DS	
		KAMENGE	331		
		CHINA	179		
BUJUMBURA NORD	NOT	GIHOSHA	83	760	
DUJUMBUKA NUKD		BUTTER	103	769	
	INVENTED.	CONCLUSION	J 50		
		NGAGARA	23		
BUJUMBURA SUD	MUHA	KANYOSHA	121	184	
		MUSAGA	58		
		KININDO	5		
BUJUMBURA CENTRE	MUKAZA	BEAUTY	84		
		MOVE FORWARD	24	070	
		ROHERO	50	278	
		BUYENZI	120		
TOTAL				1231	

Out of a total of 1231 cases in Bujumbura City Hall, the most affected areas are Kamenge and Kinama with 331 cases (26.8%) and 179 cases (14.5%) respectively.

Table 4: Distribution of cases in health districts outside Bujumbura City Hall

by municipality of origin

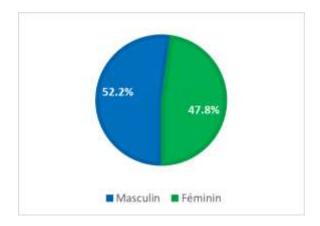
DISTRICT	COMMUNE	CASE	TOTAL CASES BY DS
	KABARORE	4	
KAYANZA	KAYANZA	50	57
	MURUTA	3	
GAHOMBO	MUHANGA	1	3
GANOIVIBO	GAHOMBO	2	•
MUTAHO	BUGENDANA	16	39
WOTATIO	MUTAHO	23	33
GITEGA	GITEGA	230	232
GITEGA	GIHETA	2	232
	RYANSORO	4	
RYANSORO	NYARUSANGE	1	12
	GISHUBI	7	
	BURAZA	6	
KIBUYE	BUKIRASAZI	8	25
50.12	MAKEBUKO	10	
	ITABA	1	
	MUTIMBUZI	133	
ISARE	ISARE	17	152
	MUBIMBI	2	
KIGANDA	KIGANDA	18	
	MBUYE	2	24
	RUTEGAMA	4	
MURAMVYA	MURAMVYA	6	11

BUKEYE   5	DISTRICT	COMMUNE	CASE	TOTAL CASES BY DS
A TEST				
CAPTHE				
SPIRIT	KARE7I			23
BUHIGA	IVADEZI			20
BUHIGA		SPIRIT		
LIFE	RUHICA	LIVE YOUR		15
MAKAMBA	BOTTIOA			10
MAKAMBA   KIBAGO   0				
MAKAMBA	ΜΔΚΔΜΒΔ			2
NYANZA-LAC	IVIANAIVIDA			
NYANZA-LAC				
RUMONGE THE 2 14  RUMONGE THE 2 14  WESTERN 12  CONCLUSION PART OF 16  THE STATE 8 54  BURURI OF 0 7  BUTEZI 0 0 7  KINYINYA 1 1 4  Giharo 0 0 Gitanga 0 5  Bukemba 5 5  RUTANA RUTANA 14 15  Musongati 1 1 15  RUTOVA SONGA 0 11  RUYIGI 8WERU 1 1 11  BUKINANYANA BUKINANYANA 10 10  RUYIGI 8WERU 1 1 10  KIBUMBU PHYSICIAN'S 4 4 GUIDE 3 4  KIBUMBU PHYSICIAN'S 4 4 GUIDE 3 5  KIREMBA MARANGARA 0 7 7  TANGARA 5 7  MARANGARA 5 7  MPANDA 5 6 6 12  MUYINGA WORTH 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NVANZA-LAC			9
RUMONGE	INTAINZA-LAC			· ·
CONCLUSION				
CONCLUSION	RUMONGE			14
BURURI		WESTERN		
BURURI  BUTEZI  WISCONSIN  7   KINYINYA  Giharo  Gitanga  Bukemba  Bukemba  RUTANA  RUTANA  RUTANA  RUTANA  RUTOVU  RUTOVU  RUTOVI  BUKINANYANA  BUKINANYANA  BUKINANYANA  HI  BUKINANYANA  KIBUMBU  A  A  A  A  A  A  A  A  A  BUKINANYANA  A  BUKINANYANA  BUKINANYANA  BUKINANYANA  A  BUKINANYANA  A  BUKINANYANA  BUKINANYANA  BUKINANYANA  BUKINANYANA  BUKINANYANA  A  BUKINANYANA  BUKINANYANA  BUKINANYANA  BUKINANYANA  A  A  A  BUKINANYANA  BUKINANYANA  BUKINANYANA  BUKINANYANA  BUKINANYANA  A  A  A  BUKINANYANA  BUKINANYANA	CONCLUSION	PART OF		54
BURURI OF 0 8 BUTEZI WISCONSIN 7 7 7  KINYINYA 3 4 4 1 1 4 1 5		THE STATE		
BUTEZI	BURURI	OF		8
SUTEZI		WISCONSIN		
KINYINYA	BUTEZI			7
RINYINYA				
Ciharo   O   Gitanga   O   S	KINYINYA			4
Color		Cibana		
Bukemba   5   Musongati   1   1   1   1   1   1   1   1   1	KICC			_
RUTANA	KISS			5
RUTANA   14   15   Mpinga-Kayove   0   0   RUTOVU   11   11   SONGA   0   0   11   SONGA   0   0   11   SONGA   0   0   11   SONGA   0   0   11   11   11   11   11   11				
Mpinga-Kayove   0	DUTANA			4.5
RUTOVA   RUTOVU   11	RUTANA			15
RUTOVA  RUYIGI  RUYIGI  BWERU  BUKINANYANA  BUKINANYANA  BUKINANYANA  BUKINANYANA  BUKINANYANA  BUKINANYANA  BUKINANYANA  BUKINANYANA  BUKINANYANA  10  10  10  A  KIBUMBU  PHYSICIAN'S  GUIDE  3  2  KIREMBA  MARANGARA  TANGARA  TANGARA  TANGARA  SUGAZI  AWEEK'S  22  MUYINGA  BUGAZI  AWEEK'S  22  MUYINGA  GITERANYI  REUNION  GASHOHO  GASHOHO  BUBANZA  BUBANZA  MUSIGATI  NDAVA  FOTA  RUSAKA  GISOZI  CANKUZO  KIGAMBA  CENDAJURU  1  GIHOGAZI  6  11  13  4  4  11  13  4  11  13  4  11  13  13				
RUYIGI	RUTOVA			11
BUKINANYANA				
BUKINANYANA	RUYIGI			4
Number   N			· ·	
A	BUKINANYANA			10
KIBUMBU       PHYSICIAN'S       4       11         GUIDE       3         LEAR OF TANGARA       0       7         TANGARA       5       7         MPANDA       5       5         Stuttgart       GIHANGA       6       12         MUYINGA       RUGAZI       1       1         A WEEK'S       22       22         WORTH       0       0       0         GITERANYI       REUNION       11       13         GASHOHO       1       1       1         BUBANZA       2       2       0         MUSIGATI       0       1       1         BUBANZA       2       2       2         MUSIGATI       0       4       4         FOTA       RUSAKA       0       4         GISOZI       0       0       5         CANKUZO       4       5       6         CANKUZO       4       6       6         CENDAJURU       1       6       6         NEWBIKEPS       1       1       1				
GUIDE   3   2   2   7   7   7   7   7   7   7   7	141011111011			
CANKUZO   CANK	KIBUMBU			11
MARANGARA   0   7   TANGARA   5   MPANDA   5   MPANDA   5   MPANDA   6   TANGAZI   1   TANGAZI   TANGA		GUIDE		
TANGARA   5   MPANDA   5   Stuttgart   GIHANGA   6   12   MUYINGA   MUXINGA   MUXING	KIDEMBA	MADANGADA		
Stuttgart         MPANDA         5           GIHANGA         6         12           RUGAZI         1         1           A WEEK'S         22         22           MUYINGA         WORTH         0         0           GITERANYI         REUNION         11         13           GASHOHO         1         1         1           BUBANZA         2         2         2           MUSIGATI         0         0         2           NDAVA         4         4         4           FOTA         RUSAKA         0         4           GISOZI         0         0         5           CANKUZO         4         5           CANKUZO         4         5           CENDAJURU         1         6           NIEWBIKEPS         1         1	KIREMBA			1
Stuttgart         GIHANGA RUGAZI 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
RUGAZI	0			40
A WEEK'S   22	Stuttgart			12
MUYINGA				
OF 0  GITERANYI	A 41 D // D 1 O A			
GITERANYI	MUYINGA			22
GASHOHO GASHOHO 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
GASHOHO GASHOHO 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	GITERANYI	REUNION		13
BUBANZA 2 2  MUSIGATI 0 2  NDAVA 4  RUSAKA 0 4  GISOZI 0  CANKUZO 4  KIGAMBA 0 5  CENDAJURU 1  GIHOGAZI 6  NEWBIKEPS 1		CACHOLIO		
MUSIGATI   0   2	GASHUHU			1
NDAVA	BUBANZA			2
FOTA RUSAKA 0 4 GISOZI 0 CANKUZO 4 CANKUZO 4 CENDAJURU 1 GIHOGAZI 6				
GISOZI 0 CANKUZO 4 CANKUZO 4 KIGAMBA 0 5 CENDAJURU 1 GIHOGAZI 6 NEWBIKEPS 1	FOTA			
CANKUZO 4  KIGAMBA 0 5  CENDAJURU 1  GIHOGAZI 6  NEWBIKEPS 1				4
CANKUZO  KIGAMBA  0  CENDAJURU  1  GIHOGAZI  NIEWBIKEPS  1	CANKUZO			
CENDAJURU 1 GIHOGAZI 6 NEWBIKERS 1				_
GIHOGAZI 6				5
NEWBIKERS 1				
I NEWBIKERS 1	NYABIKERE			
NVARIKERE			1	7
WO TOWNSA 0				
SHOMBO 0				
MURORE MISHIHA 2 5	MURORE	MISHIHA	2	5

DISTRICT	COMMUNE	CASE	TOTAL CASES BY DS
	GISAGARA	3	
	BUTAGANZWA	0	
MUSEMA	MATONGO	4	5
	RANK	1	
	Mug	1	
THE BATTLE	Mugongomanga	1	2
	Nyabiraba	0	
MUKENKE	Bwambarangwe	2	4
WUNENKE	Gitobe	2	4
KIRUNDO	Bugabira	0	3
KIKUNDO	Kirundo	3	•
MABAYI	MABAYI	2	2
IVIADATI	Mugina	0	2
	Gashikanwa	0	
BUY	Mwumba	2	2
	Nyamurenza	0	
SKIN	SKIN	3	3
GISURU	Gisuru	6	6
	852		

The municipalities of Gitega of DS Gitega (230 **positive cases**), Mutimbuzi of DS Isare (133 **positive cases**) and Kayanza of DS Kayanza (50 positive cases) are the most affected compared to other municipalities.

#### V. Distribution of cases by sex and age group



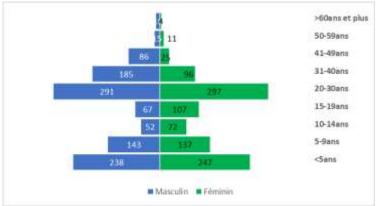
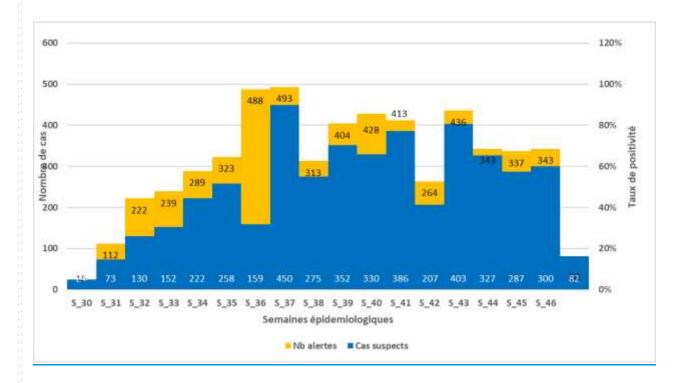


Fig. 4. Proportion of cases by sex

Fig. 5. Distribution of cases by sex and age group

As of November 18, 2024, the cumulative number of confirmed cases of Mpox is 2083, of which 52.2% are male and 47.8% female. The most affected age groups are: 20 to 30 years old (28.2%), children under 5 years old (23.3%) and those from 5 to 9 years old (13.4%). Children under 15 years of age are the most affected with a proportion of 42.7%.

#### VI. Weekly evolution of alerts and suspected cases



#### VII. Weekly evolution of cases

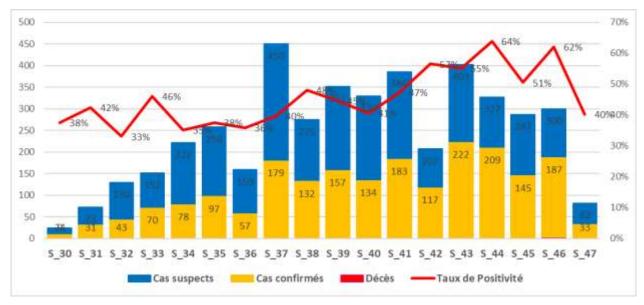


Fig. 7. Weekly evolution of confirmed cases of Mpox (N=2083; incomplete)

Out of a total of 4417 tests carried out, 2083 came back positive for Mpox, i.e. a positivity rate of 47.1%.

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#### VIII. Public health actions

- Briefing of 67 CHWs on community-based epidemiological surveillance in the health district of Gashoho;
- Deployment of the mobile laboratory in Gitega and Bujumbura North;
- Broadcasting of radio spots on preventive measures against Mpox;
- Briefing of school officials (Director of Schools, Prefect of Studies and Master in Charge) on Mpox
- Briefing of CHWs of the Muyinga Health District on community-based surveillance and risk communication in the context of Mpox;
- · Water supply by bladders in some localities of Bujumbura Mairie;
- Continued management of 975 active cases;
- Deployment of surveillance teams for the investigation of alerts and identification of contacts;
- Development and daily dissemination of SITREPs;
- Resource mobilization (Government and Development Partners);
- Notification of suspected cases by health facilities and districts;
- Dietary care of Mpox patients at the CHUK and CPLR PEC centers, Bujumbura North Hospital, Gitega Regional Hospital and Kayanza Hospital;
- Collection and analysis of samples from suspected cases;
- Disinfection of affected households.



#### IX. Challenges

- Insufficient sampling equipment for some districts in the interior of the country;
- Insufficient equipment and other inputs for prevention, medical and food care;
- Insufficient isolation units in the FOSAs;
- Non-compliance with the national protocol for the management of Mpox by some service providers;
- Low capacity of service providers on the management of Mpox;
- Insufficient resources for the investigation of alerts (financial resources);
- Insufficient water in some localities of Bujumbura Mairie;
- Low level of follow-up of patients discharged at home;
- Low level of surveillance for Mpox disease in animals.

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