



# Zambia Cholera Outbreak | Situation as of 27<sup>th</sup> December 2023



National | Lusaka (Lusaka, Chongwe, Chilanga, Luangwa) Eastern (Petauke, Vubwi, Chadiza, Lumezi) Central (Mumbwa, Kapiri Mposhi, Kabwe, Chibombo) Northern (Mpulungu)

As at 18 hours 27 December 2023 | Cumulative cases: 2,521 | Cumulative Deaths: 75 | CFR: 3.0% Past 24hours| Currently admitted in CTCs: 194 | Discharged: 77 | New Cases: 116 | Deaths: 5

**Risk Level: High: Grade 3 Event, Sitrep No. 104**

**National cumulative since January: Cases: 3,404, Deaths: 93, CFR: 2.7%**

## Epidemiological Overview

**Background:** This year Zambia has experienced cholera outbreaks in 19 districts across the country that began on 21st January 2023 and was initially declared over on 15th July 2023 following 28 days of zero reporting.

**13 districts** are currently responding to the outbreak as shown in the map.

The index case in Lusaka was a Female aged 26 of Kanyama who was identified on 14.10.23 and culture-confirmed as Vibrio Cholera O1 Ogawa on 15.10.23.

Vubwi District in Eastern Province reported a case of cholera on 10/12/2023 and culture-confirmed as Vibrio Cholera O1 Ogawa on 13/12/2023.

Petauke reported two suspected cases of cholera on 14/12/2023 and both culture-positive.

Mumbwa and Kapiri Mposhi has one culture-positive each.

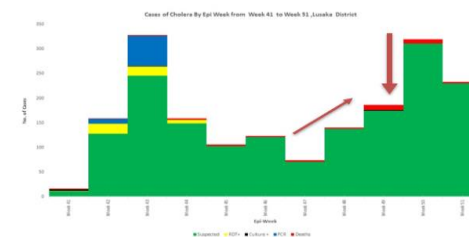
Mpulungu, has two culture-confirmed as of 21/12/2023.

In the last 24 hours 116 cases. Five deaths were recorded in Lusaka's Kanyama (1 facility death), Chelstone (1 BID), and Matero (2 facility deaths, 1 BID), 194 cases are in admission with 77 discharged across all CTCs.

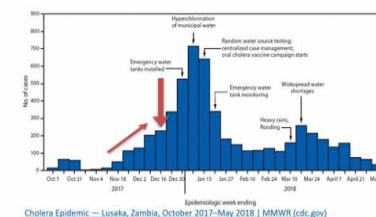
## Most Affected Areas

- All the sub-districts in Lusaka District, especially the peri-urban.
- Fishing areas in Luangwa District
- Sewage compound in Chongwe District using water from the wells.
- Lusaka District is one of the 20 cholera hotspots in Zambia. In 2022, the district conducted a successful Oral Cholera Vaccination campaign in some wards.
- Vubwi recently received a reactive OCV campaign early this year (2023)
- Mpulungu received reactive OCV in 2023 and the district is a hot spot. Fishing areas have a higher risk. New cases currently being reported from Kapembwa RHC

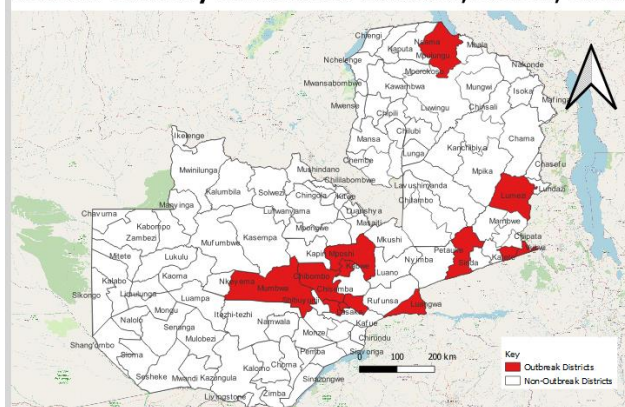
## Cholera Epi-curve, 2023 and 2017/18



Lusaka 2017-2018 epi curve and interventions



Districts Currently with Cholera Outbreak, Zambia, 2023



## Results

Province	Culture-Positive	PCR-Positive
Lusaka	66	97
Eastern	9	0
Central	2	0
Northern	2	0
<b>Total</b>	<b>79</b>	<b>97</b>

Comparison of the 2017 and 2023 epicurve show a higher number of cases and deaths at this time point compared with the previous outbreak at the same time, showing the need for doubling down of efforts in an multisectoral approach to ensure that the control measures being implemented are more robust.

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**Table 1. Summary of Cholera Cases by District in Lusaka, Eastern, Central and Northern Provinces.**

Province	District	Reporting	Population	Last 24 hours				Cumulatively				
				New Cases	New Deaths	Discharges	Currently in Adm	Cholera Cases	Cum. Discharges	Deaths	CFR (%)	AR /100,000
Lusaka	Lusaka	Chilenje sub-district	481846	14	0	14	8	339	330	1	0.3	70.4
		Kanyama sub-district	525902	22	1	12	41	549	430	19	3.5	104.4
		Chawama sub-district	454516	8	0	2	21	188	168	11	5.9	41.4
		Matero sub-district	510187	26	3	6	42	518	353	19	3.7	101.5
		Chelstone sub-district	549867	27	1	21	15	344	284	4	1.2	62.6
		Chipata sub-district	472646	12	0	8	14	221	198	6	2.7	46.8
		LMUTH		0	0	11	34	3	178	3	-	-
	Chongwe	Sub-total	2994964	109	5	74	175	2162	1941	63	2.9	72.2
		Ngwerere		2	0	1	4	82	74	5	6.1	-
		Chongwe District Hospital		0	0	0	0	8	7	1	12.5	-
	Chilanga	Sub-total	335013	2	0	1	4	90	81	6	6.7	26.9
		Tubalange		0	0	1	0	89	90	1	1.1	-
		Mount Makuru		0	0	0	1	8	5	0	0.0	-
	Luangwa	Sub-total	239694	0	0	1	1	97	95	1	1.0	40.5
		Luangwa District Hospital		0	0	0	0	107	104	4	3.7	-
Katondwe Mission Hospital			0	0	0	0	20	19	0	0.0	-	
Sub-total		37119	0	0	0	0	127	123	4	3.1	342.1	
	<b>Total</b>	<b>3,271,777</b>	<b>111</b>	<b>5</b>	<b>76</b>	<b>180</b>	<b>2476</b>	<b>2240</b>	<b>74</b>	<b>3.0</b>	<b>75.7</b>	
Eastern	Vubwi	53875	0	0	0	0	3	3	0	0.0	5.6	
	Petauke	267943	1	0	0	1	10	6	1	10.0	3.7	
	Chadiza	116,511	0	0	1	0	2	1	0	0.0	1.7	
	Lumezi	166,124	1	0	0	1	1	1	0	0.0	0.6	
	<b>Total</b>	<b>2,532,849</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>16</b>	<b>11</b>	<b>1</b>	<b>6.3</b>	<b>0.6</b>	
Northern	Mpulungu	159,397	0	0	0	0	11	11	0	0.0	6.9	
	<b>Total</b>	<b>1,671,608</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>11</b>	<b>11</b>	<b>0</b>	<b>0.0</b>	<b>0.7</b>	
Central	Mumbwa	350,822	0	0	0	2	7	5	0	0.0	2.0	
	Kapiri Mposhi	385,910	0	0	0	0	1	1	0	0.0	0.3	
	Kabwe	309,078	2	0	0	5	5	0	0	0.0	1.6	
	Chobombo	448,279	1	0	0	4	4	0	0	0.0	0.9	
	<b>Total</b>	<b>2,359,786</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>17</b>	<b>6</b>	<b>0</b>	<b>0.0</b>	<b>0.7</b>	
Southern	Monze	275,947	0	0	0	0	1	1	0	0.0	0.4	
	<b>Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0.0</b>	<b>-</b>	
<b>For the 11 Districts</b>			<b>5,692,397</b>	<b>116</b>	<b>5</b>	<b>77</b>	<b>194</b>	<b>2,521</b>	<b>2,269</b>	<b>75</b>	<b>3.0</b>	<b>44.29</b>
<b>GRAND TOTAL</b>			<b>20309547</b>	<b>116</b>	<b>5</b>	<b>77</b>	<b>194</b>	<b>2,521</b>	<b>2,269</b>	<b>75</b>	<b>3.0</b>	<b>12.41</b>



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## Recommendations

1. Need for high level regional cross-border meetings.
2. Need to conduct Risk and needs assessments in all high-risk districts that are in watch and alert mode in readiness for a potential cholera outbreak.
3. Continue engagement with other line ministries and partners to support in responses.

## Key Priority Activities

1. Her Honor the Vice President of the Republic of Zambia, called for an urgent Ministerial Meeting with all ministers demanding for a comprehensive Multi-Sectoral approach to this cholera response. Planning is ongoing and funds are being mobilized for short-term but also long-term solutions that will reignite the cholera elimination agenda.
2. High-level planning meetings involving all stakeholders in the response were held at DMMU to plan for the response.
3. Two (2) minibuses have been provided by Lusaka School of Nursing and Midwifery Council of Zambia for the response.
4. Implementation of mounting of 20 emergency tanks in Kanyama's garden house to commence on 27<sup>th</sup> December 2023 which will be coordinated by DMMU in conjunction with ZNS.
5. The coordination leadership of the District Commissioner, Provincial Health Director, Town clerk, and District Health Director visited Ngwerere CTC to allay some rumours after some false alerts of mortalities being recorded at the CTC.
6. Three vehicles have been donated to Lusaka PHO by JSI-discover Health to beef up the transport situation in the sub-districts.
7. Enhanced water, sanitation, and hygiene interventions including chlorine distribution, and water quality monitoring, disinfection, and inspections.
8. Heightened Surveillance in all provinces in the country to enhance early detection and response to cases.
9. Enhanced Risk communication and community engagement activities (door-to-door sensitization, radio shows, TV updates and interviews etc.)
10. Continued receiving support from Partners Like WHO, Red Cross, CDC, JICA, UNICEF, World Bank, UKHSA, CRS, UNHCR, World Vision, John Snow Health Ox-fam and serve the children in different response pillars of the outbreak.
11. Application for OVC doses for a reactive vaccination response was sent to ICG.

## Operational Response Gaps

1. Delays in receiving results from food and Drugs and Laboratory for supporting prompt evidence-based responses.
2. Erratic supply of water in the same parts of the community leading to communities resorting to the use of shallow wells and untreated water from boreholes.
3. Challenge of following cholera cases and implementation of cholera interventions across international borders in Luangwa and Petauke District.
4. Poor sanitation coverage in the affected areas in Mpulungu District.

Training of defense forces nurses in Cholera IPC and case Management



Community Engagement by Delegates lead By Provincial Minister



Provision of safe water in Ngwerere



ORP Monitoring in Kanyama Sub-District.

