

## ZAMBIA COVID-19 SITUATION REPORT NO. 312 – EPI WEEK 31

Disease Pandemic: COVID-19

Response start date: 30<sup>th</sup> January, 2020

Outbreak Declared: 18<sup>th</sup> March, 2020

Report date: Sunday 8<sup>th</sup> August, 2021

Prepared by: MOH/ZNPPI/WHO




Correspondence: [ims.covid@znphi.co.zm](mailto:ims.covid@znphi.co.zm)

### 1. SITUATION UPDATE *This week (2<sup>nd</sup> – 8<sup>th</sup> Aug)* **Cases 3,756** **Deaths 78** **Recoveries 4,373**

#### 1.1 CURRENT NUMBERS (as of 09:00 hours CAT)

- **In the last 24hrs:** we recorded **387 new cases** out of 6,224 tests (6% positivity), **10 deaths and 643 recoveries**
- **Epi-week review (2<sup>nd</sup> – 8<sup>th</sup> Aug):** 3,756 confirmed cases, 78 deaths, and 4,373 recoveries reported (compared to 4,222 confirmed cases, 134 deaths, and 6,468 recoveries the previous week).
  - This marks an **11% decrease in new cases** and **42% decrease in new deaths**
- **Last 4 weeks (14-day period comparison):** there were 7,978 cases reported, in the last 2 weeks, compared to 16,342 new cases reported in the preceding 14 days (51% decrease).
- **Total new admissions:** 303 in the past week compared to 385 in the preceding week (21% decrease).
- **Cumulatively,** 200,049 cases with 3,484 deaths (CFR=1.7%) and 192,479 recoveries (96% recovered). Of the total deaths, 2,616 have been classified as COVID-19 deaths (CFR=1.3%) and 868 as associated deaths.
  - **Currently:** there are **4,086 active cases:** of these, 3,787 (93%) under community management and 299 (87%) are hospitalised, with 199 (67%) on Oxygen therapy and 74 (25%) in critical condition.

#### Global Numbers (Source: Worldometre)

 **203,254,576 Confirmed**  
 **4,304,981 Deaths (2.1% CFR)**  
 **182,595,278 Recoveries**

#### Africa Numbers (Source: Africa CDC)

 **6,976,034 Confirmed**  
 **176,104 Deaths (2.5% CFR)**  
 **6,090,694 Recoveries**

## 2. EPIDEMIOLOGICAL HIGHLIGHTS

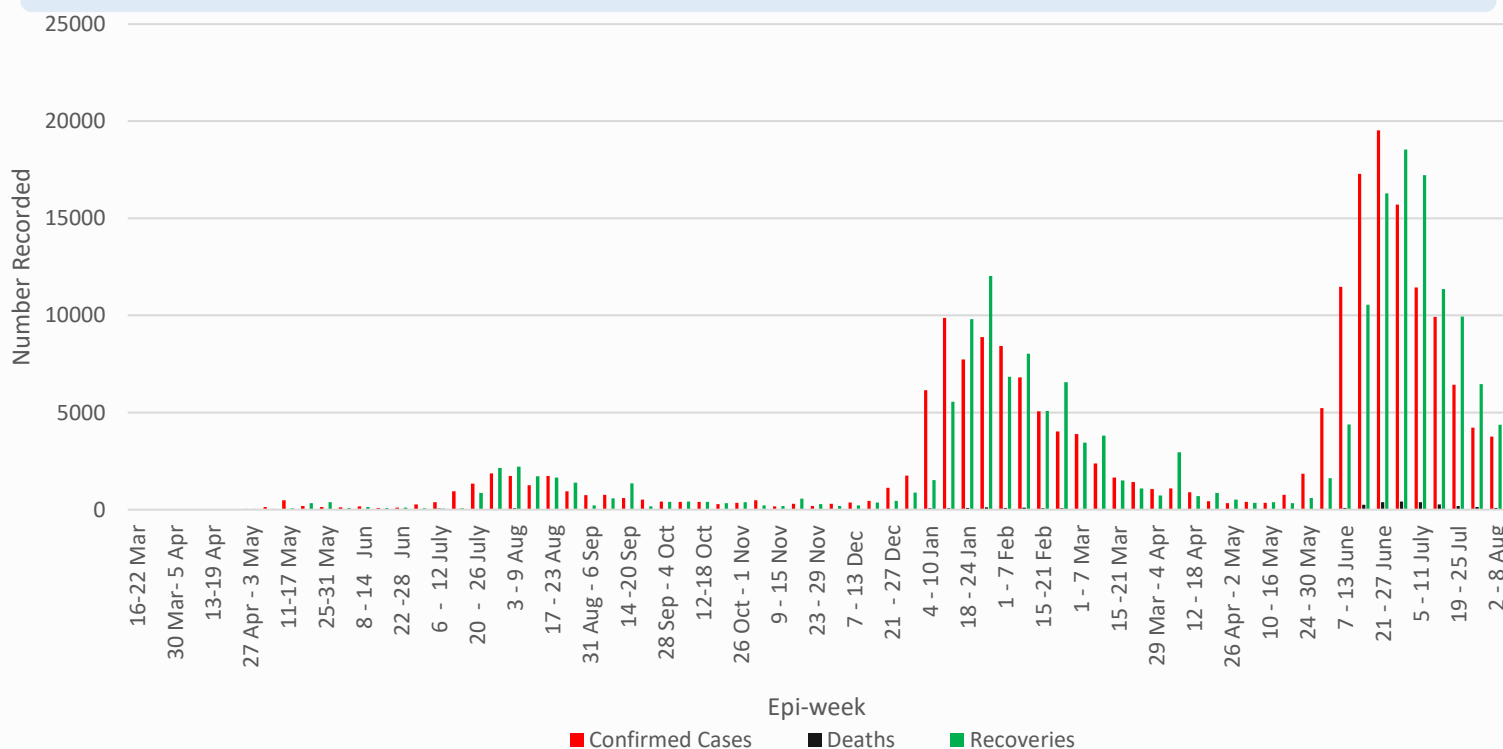


Figure 1: Epicurve of COVID-19 confirmed cases, deaths and recoveries by week, as of end of epi week 31 (8th August, 2021)

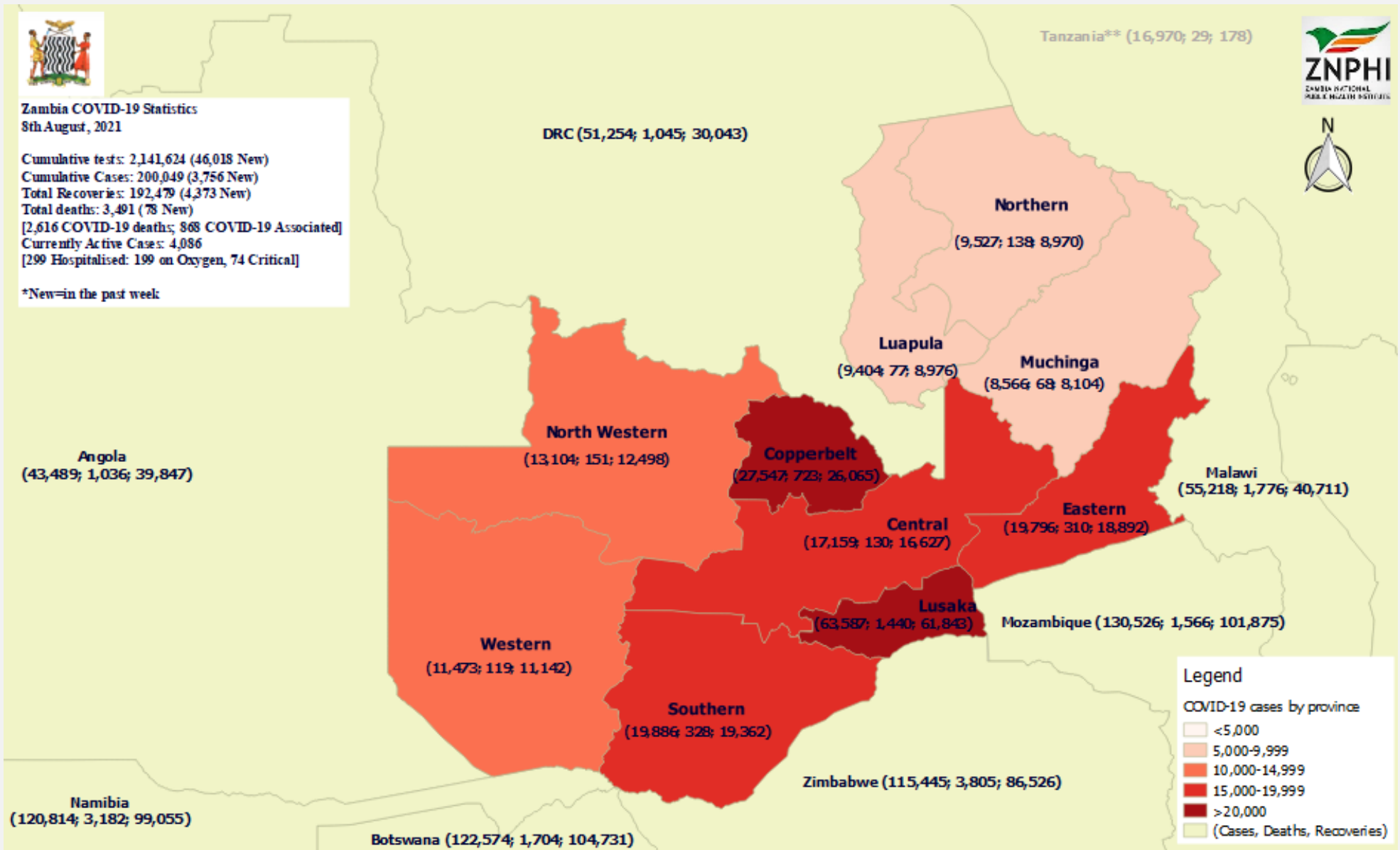


Figure 2: Map showing cumulative confirmed COVID-19 cases, deaths and recoveries (in brackets) by province and in neighbouring countries, as of 8<sup>th</sup> August, 2021



**ZAMBIA COVID-19 WEEKLY STATISTICS**  
8th August, 2021  
3,756 New cases reported from 114 districts

**Central:** Kabwe 194; Kapiri Mposhi 84; Mkushi 34; Luano 20; Mumbwa 17; Itezhi-tezhi 16; Chibombo 9; Serenje 8; Chisamba 6; Chitambo 4; Shibuyunji 4

**Copperbelt:** Kitwe 134; Mufulira 72; Luanshya 65; Ndola 64; Kalulushi 63; Chingola 56; Mpongwe 54; Masaiti 33; Chililabombwe 26; Lufwanyama 16;

**Eastern:** Chipangali 95; Chipata 80; Nyimba 55; Lumezi 41; Chadiza 39; Sinda 35; Katete 31; Petauke 31; Chasefu 25; Lundazi 22; Lusangazi 18; Mambwe 13; Kasenengwa 8; Vubwi 3

**Luapula:** Mansa 105; Mwense 39; Nchelenge 34; Kawambwa 29; Chifunabuli 28; Mwansabombwe 27; Chipili 21; Chembe 9; Samfya 9; Chiengi 8; Milenge 5; Lunga 2

**Lusaka:** Lusaka 209; Luangwa 49; Chongwe 31; Rufunsa 25; Chilanga 17; Chirundu 9; Kafue 8

**Muchinga:** Mpika 106; Chama 62; Shiwangandu 36; Isoka 32; Nakonde 26; Mafinga 20; Kanchibiya 13; Lavushimanda 13; Chinsali 3

**Northern:** Kasama 67; Mpulungu 43; Lunte District 35; Mungwi 35; Chilubi 32; Senga Hill 32; Luwingu 28; Mbala 28; Kaputa 24; Lupososhi 15; Nsama 15; Mporokoso 11

**North-western:** Solwezi 194; Zambezi 99; Kasempa 59; Mwinilunga 23; Kalumbila 19; Mufumbwe 17; Chavuma 15; Kabompo 14; Mushindano 5; Ikelenge 4; Manyinga 4

**Southern:** Namwala 91; Mazabuka 43; Chikankata 29; Monze 29; Sinazongwe 21; Kalomo 20; Choma 19; Livingstone 18; Zimba 13; Gwembe 12; Siavonga 10; Pemba 7; Kazungula 4

**Western:** Mongu 25; Kaoma 22; Senanga 22; Limulunga 14; Mulobezi 12; Sesheke 12; Sioma 12; Kalabo 10; Nalolo 9; Nkeyema 8; Luampa 6; Mitete 5; Lukulu 4; Sikongo 4; Mwandji 1;

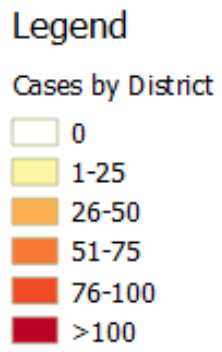
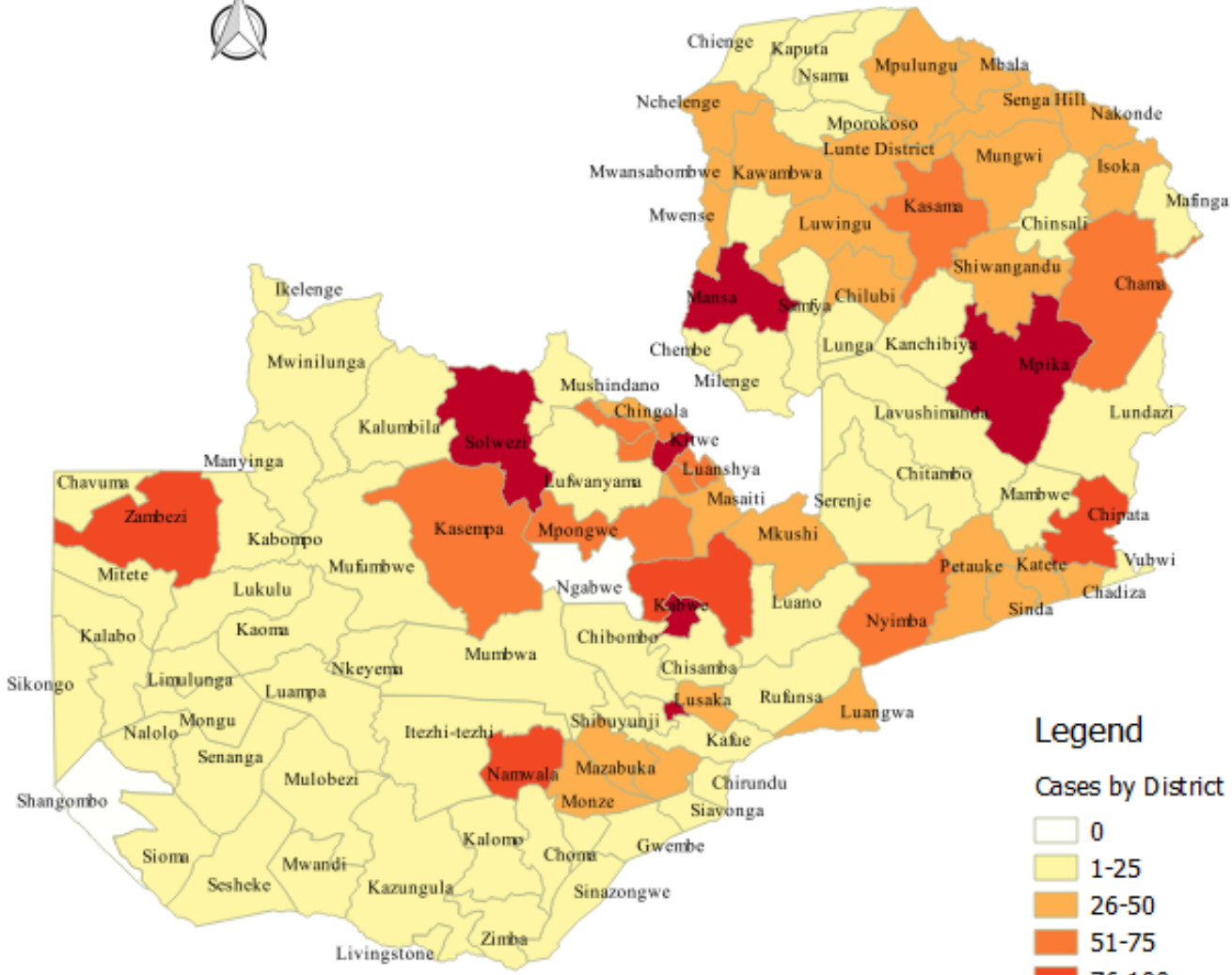


Figure 3: Map showing new confirmed COVID-19 cases by district during Epi-week 31 (2<sup>nd</sup> – 8<sup>th</sup> August, 2021)

\*Blue text: indicates updated information

Table 1: Incidence risk by province

Province	Population (mid-2020)	Cumulative cases	Cumulative incidence risk (cases per 100 000 persons)	New cases in previous week	New Cases detected this week	Percentage change in new cases	Incidence risk last week (cases /100 000 persons)	Incidence risk this week (cases/100 000 persons)	Percentage change in incidence risk
<b>Central</b>	1,734,601	17,159	989	190	396	108% ↑	11	23	108% ↑
<b>Copperbelt</b>	2,669,635	27,547	1,032	576	583	1% ↑	22	22	1% ↑
<b>Eastern</b>	2,065,590	19,796	958	509	496	-3% ↓	25	24	-3% ↓
<b>Luapula</b>	1,276,608	9,404	737	347	316	-9% ↓	27	25	-9% ↓
<b>Lusaka</b>	3,360,183	63,587	1,892	400	348	-13% ↓	12	10	-13% ↓
<b>Muchinga</b>	1,095,535	8,566	782	428	317	-26% ↓	39	29	-26% ↓
<b>Northern</b>	1,520,004	9,527	627	464	365	-21% ↓	31	24	-21% ↓
<b>N/western</b>	950,789	13,104	1,378	667	453	-32% ↓	70	48	-32% ↓
<b>Southern</b>	2,135,794	19,886	931	340	316	-7% ↓	16	15	-7% ↓
<b>Western</b>	1,076,683	11,473	1,066	301	166	-45% ↓	28	15	-45% ↓
<b>NATIONAL</b>	<b>17,885,422</b>	<b>200,049</b>	<b>1,119</b>	<b>4,222</b>	<b>3,756</b>	<b>-11% ↓</b>	<b>24</b>	<b>21</b>	<b>-11% ↓</b>




Table 2: Changes in indicators over the last two weeks

Indicator	Cumulative	7 days comparison		Change	
		Preceding 7 days	Last 7 days	Difference	% Change
Tests	2,141,624	42,595	46,018	3,423 ↑	8% ↑
Test positivity	9.34%	10%	8%	-2% ↓	-2% ↓
Tests/100,000 pop	11,974	238	257	19 ↑	8% ↑
Cases	200,049	4,222	3,756	- 466 ↓	-11% ↓
New Admissions	-	385	303	-82 ↓	-21% ↓
Deaths	3,484	134	78	-56 ↓	-42% ↓
CFR	1.74%				

Table 3: COVID-19 Resurgence thresholds by province as of 1<sup>st</sup> August, 2021

Province	Number of new cases over 14-days based on the 7-day moving average		Resurgence Threshold
	12 <sup>th</sup> – 25 <sup>th</sup> July	26 <sup>th</sup> July – 8 <sup>th</sup> August	
Central	1,395	599	-57%
Copperbelt	2,257	1,127	-50%
Eastern	2,176	1,073	-51%
Luapula	1,274	790	-38%
Lusaka	4,212	1,003	-76%
Muchinga	1,279	823	-36%
Northern	1,707	1,055	-38%
N/western	1,432	1,137	-21%
Southern	1,563	746	-52%
Western	1,473	549	-63%
<b>NATIONAL</b>	<b>18,767</b>	<b>8,901</b>	<b>-53%</b>

Key:

	<10% increase or decrease in new confirmed cases: <b>UNDER CONTROL</b>
	10% to <20% increase in new confirmed cases: <b>ALERT</b>
	20% and above increase in new confirmed cases: <b>RESURGENCE</b>

A COVID-19 resurgence is defined as an increase in new cases of COVID-19 after a period of lower or no transmission for a period of at least two consecutive weeks. This assumes that surveillance and testing are optimal. Table 3 gives the resurgence thresholds calculated based on the number of new cases over a 14-day period based on the 7-day moving average. There are three actionable thresholds that should be considered: Under Control, Alert and Response threshold. Each threshold has specific guidance on what actions need to be done, available [here](#). All ten provinces are currently listed as “Under Control” threshold

### 3. PUBLIC HEALTH ACTIONS

#### 3.1 CO-ORDINATION

##### ➤ Regional/Continental level:

- Zambia continues to participate in AU meetings to ensure continued regional and continental trade and strategies to stop transmission of COVID-19. Zambia also hosts the Southern Africa Regional Collaborating Centre of the Africa CDC and has been coordinating the response at regional level. Southern Africa to date has recorded **3,342,886 cases, 92,107 deaths and 2,974,531 recoveries**. Detailed updates on the COVID-19 statistics can be accessed on the [Africa CDC website](#), and the Vaccination Dashboard can be accessed [here](#)

##### ➤ National Level:

- Government is implementing a **nine-pronged strategy** in response to the COVID-19 outbreak: Surveillance and case finding; **Case management; Infection prevention and control; Risk communication and community engagement; Laboratory diagnosis; Logistics and supply chain management; Appropriate competent and adequate workforce; Routine essential health services; and Vaccination.**
- The government continues to enforce measures and interventions to control the spread of COVID-19 countrywide as outlined in the Statutory instruments **SI21 and SI22 of 2020 on COVID-19 and presidential directives**.
- The **COVID-19 contingency plan** outlining the country's COVID-19 preparedness and response activities underwent revision in the first week of April, 2021 and was approved by Cabinet.
- Technical co-ordinating meetings are held with cooperating partners and other stakeholders. The meetings are chaired by the Director General, ZNPHI
- The **Incident Management System (IMS)** continues to meet at ZNPHI (with a Zoom link provided to ensure social distancing) on Tuesdays and Thursdays.
- An update on the enhanced measures to prevent and mitigate the spread of COVID-19 in Zambia was issued to the public on Friday 16<sup>th</sup> July 2021

#### BACKGROUND

The WHO was alerted of an increase in the number of pneumonia cases of unknown cause detected in Wuhan City, Hubei Province, China. The disease now called Coronavirus Disease 2019 (COVID-19) is caused by a new coronavirus named SARS-CoV-2. The WHO declared the outbreak a PHEIC on 30<sup>th</sup> January and further declared COVID-19 a pandemic on 12<sup>th</sup> March. Zambia recorded its first two cases of COVID-19 on 18<sup>th</sup> March 2020. The first 28 cases in Zambia all had a history of travel to Europe or Asia. Three weeks into the outbreak, cases were noted among people without history of travel but in contact with confirmed cases. By mid-June 2020, cases had been reported in all ten provinces, with Western province being the last to confirm cases of COVID-19. Generalised local person-person transmission is now established throughout the country. To date, Zambia has had two waves of the pandemic, with a third wave currently being experienced.

### 3.2 SURVEILLANCE AND CASE MANAGEMENT

- Active surveillance is ongoing in healthcare facilities, at community level, through contact tracing and at points of entry. The revised guidelines for the home management of COVID-19 cases can be accessed [here](#). See table 3 for the surveillance statistics reported in the last 24 hours and figure 3 below for case management trends over the past month.

Table 4: Breakdown of surveillance and case management statistics reported in the last 24hrs by province

PROVINCE	NUMBERS BY PROVINCE							
	NEW CASES	DEATHS	DISCHARGES	NEW ADMISSIONS	ACTIVE	ADMITTED	ON OXYGEN	CRITICAL
<b>CENTRAL</b>	20	1	36	1	402	6	4	1
<b>COPPERBELT</b>	83	2	94	9	759	84	63	32
<b>EASTERN</b>	74	1	67	6	594	34	26	9
<b>LUAPULA</b>	41	2	56	2	351	17	10	2
<b>LUSAKA</b>	40	1	36	6	304	78	54	16
<b>MUCHINGA</b>	32	1	46	0	394	9	3	3
<b>NORTHERN</b>	23	1	83	1	419	11	7	0
<b>N/WESTERN</b>	46	1	107	7	455	32	16	4
<b>SOUTHERN</b>	13	0	33	2	196	21	15	6
<b>WESTERN</b>	15	0	85	2	212	7	1	1
<b>TOTAL</b>	<b>387 Cases</b>	<b>10 Deaths</b>	<b>643 Discharges</b>	<b>36 New admissions</b>	<b>4,086 Active</b>	<b>299 Admitted</b>	<b>199 (66%) On O<sub>2</sub></b>	<b>74 (25%) Critical</b>

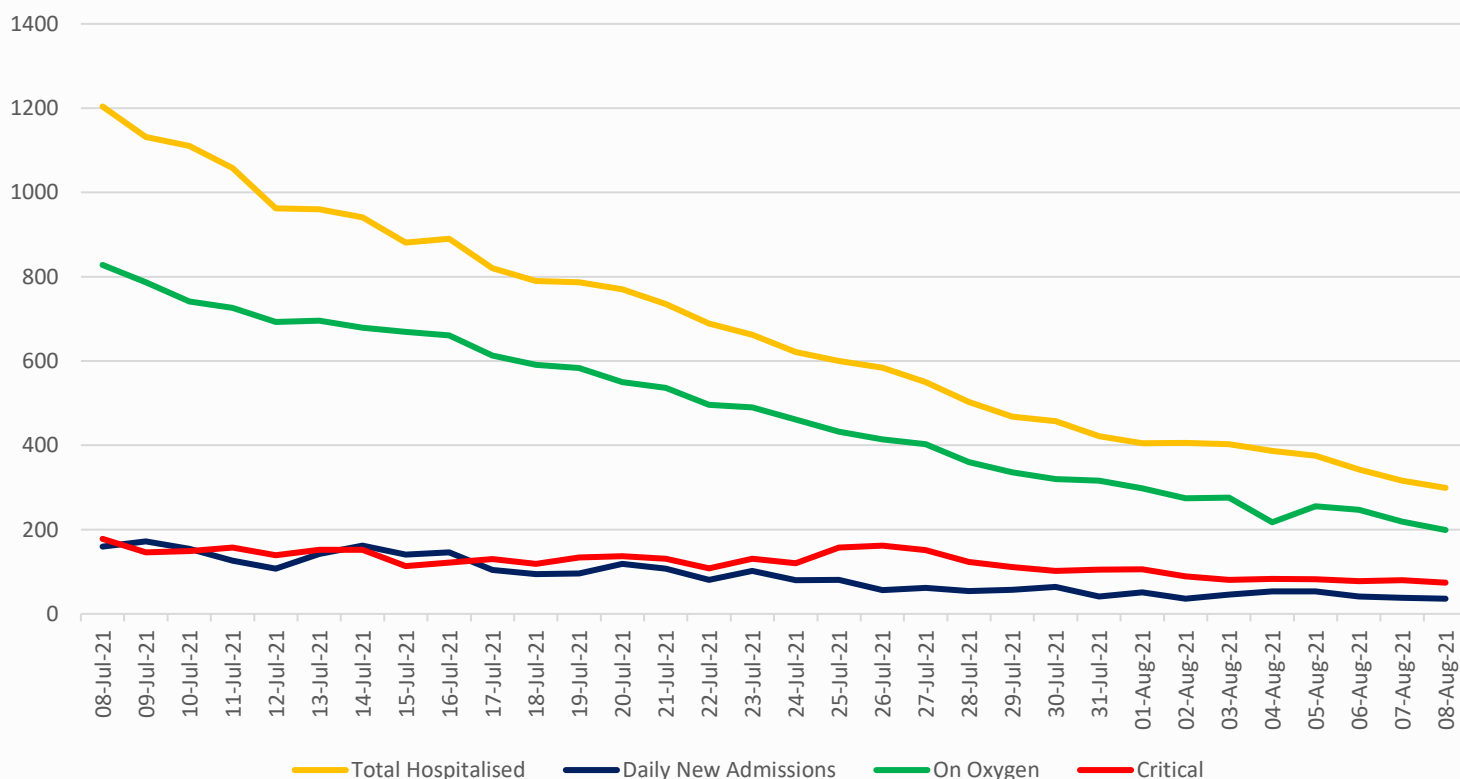


Figure 4: Case management trends over the past month, showing overall admissions, against daily new admissions, patients on Oxygen therapy and those in critical condition

### 3.3 LABORATORY AND SAMPLE MANAGEMENT

- Zambia is utilising a number of testing platforms, including real-time Polymerase Chain Reaction (RT-PCR), Gene Xpert, Hologic Panther, and Roche Cobas 6800, as well as Standard Q and Panbio Rapid Diagnostic Tests. Available testing centres can be found here: <https://arcp.is/15rqeP> and the revised testing strategy can be found [here](#).
- **Previous week analysis (26<sup>th</sup> July-1<sup>st</sup> Aug): 42,595 tests** were conducted in the previous week (**10%** tested positive for SARS-CoV-2) compared to **38,542 tests** the week before last (**17%** positivity).
- **Current week analysis (2<sup>nd</sup> – 8<sup>th</sup> Aug):** In the last 24 hrs, 6,224 tests were conducted (6% positivity); the cumulative number of tests conducted this week was **46,018 (8% positivity)**.
- The testing coverage is **119,741 per 1,000,000 population**. See figure 5 below for comparative analysis of tests conducted across countries in the SADC region.

Table 5: Testing rates per province comparison for the last two weeks

Province	Last week			This Week		
	Total Number of tests done	Number of tests done/ 100,000 Population	Test Positivity Rate	Total Number of tests done	Number of tests done/ 100,000 Population	Test Positivity Rate
Central	1,890	109	10%	1,890	109	11% ↑
Copperbelt	6,195	232	9%	6,195	232	8% ↓
Eastern	2,844	138	18%	2,844	138	10% ↓
Luapula	2,496	196	14%	2,496	196	16% ↑
Lusaka	12,023	358	3%	12,023	358	3%
Muchinga	2,405	220	18%	2,405	220	13% ↓
Northern	4,235	279	11%	4,235	279	12% ↑
N/western	3,966	417	17%	3,966	417	16% ↓
Southern	3,417	160	10%	3,417	160	7% ↓
Western	3,124	290	10%	3,124	290	9% ↓
<b>NATIONAL</b>	<b>42,595</b>	<b>238</b>	<b>10%</b>	<b>42,595</b>	<b>238</b>	<b>8% ↓</b>

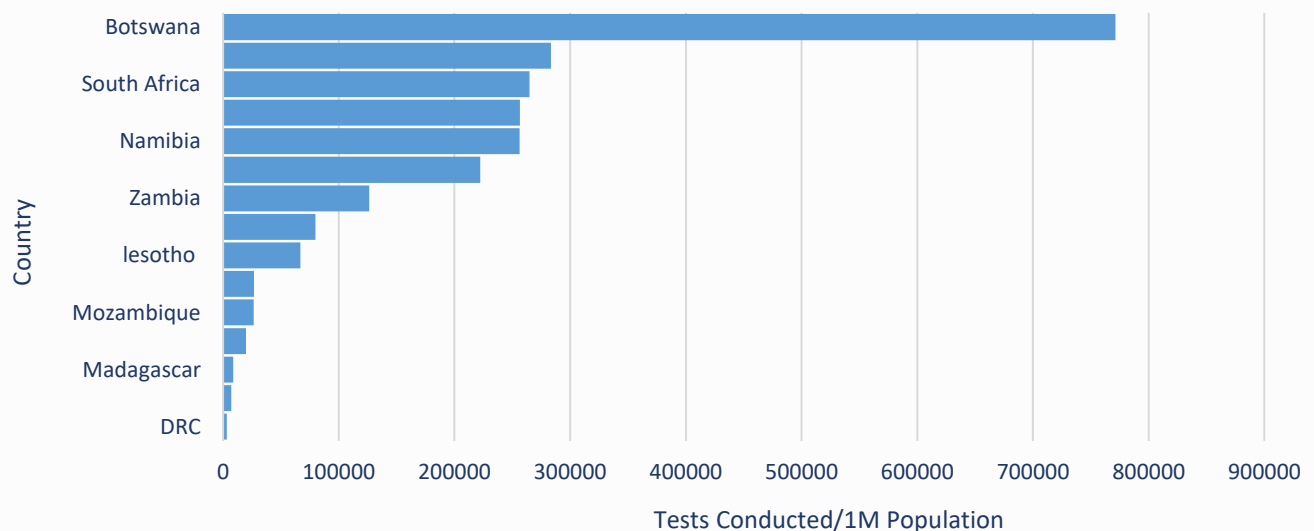


Figure 5: Comparison of number of tests conducted/million population across SADC countries



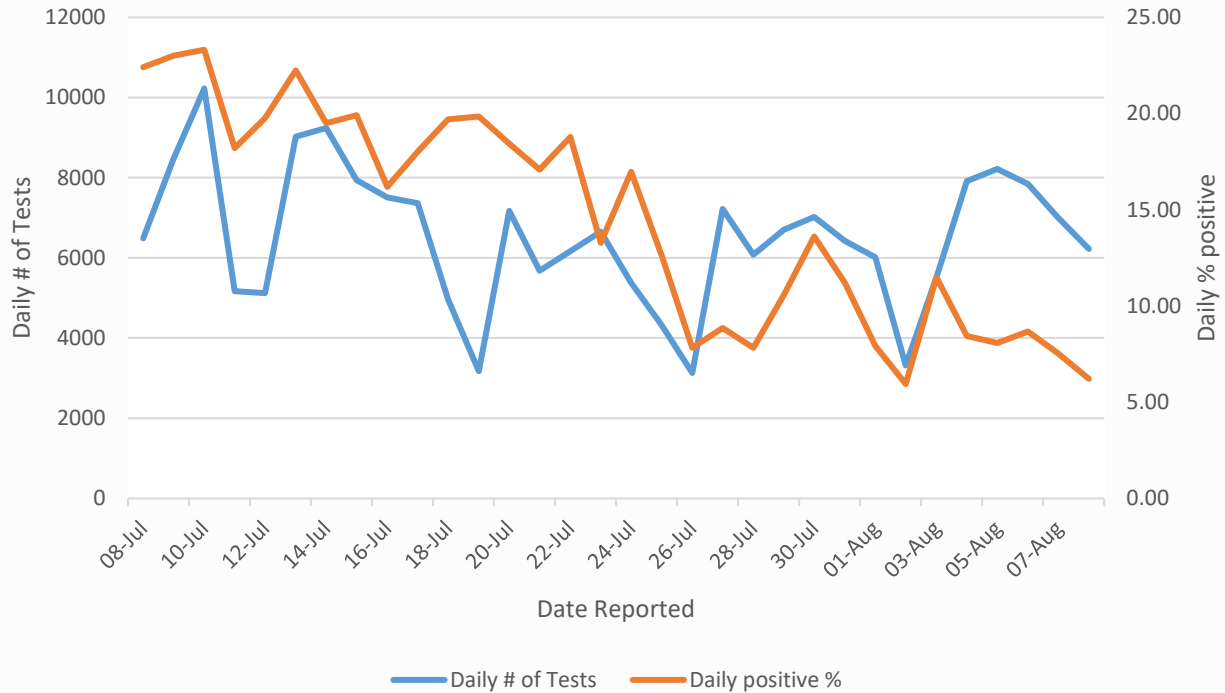


Figure 5: Daily number of tests vs % of positive results recorded (past month)

### 3.4 COVID-19 VACCINATION PROGRAMME AND LABORATORY

- The vaccination programme was officially launched on **Wednesday 14<sup>th</sup> April, 2021** by the Hon. Minister of Health, Dr. Jonas Chanda. Administration of Dose 1 was paused temporarily on 24<sup>th</sup> May, 2021 following a decision to ring fence the remaining doses for use as dose 2. Administration of Dose 2 of the AstraZeneca vaccine commenced on **Wednesday, 23<sup>rd</sup> June 2021**; **Dose 1** vaccinations resumed on Friday 9<sup>th</sup> July, 2021.
  - To date, 228,000 doses of AstraZeneca have been received under the COVAX facility and an additional 228,000 doses of AstraZeneca were donated by the Government of France through the COVAX facility (received in the country on 5<sup>th</sup> July, 2021). A further 151,200 doses of the Johnson and Johnson vaccine arrived in the country today, 21<sup>st</sup> July, 2021. Administration of the J&J commenced in Lusaka today 23<sup>rd</sup> July, 2021. On Saturday 7<sup>th</sup> August, 2021, 100,000 doses of Sinopharm were received.
- In the last 24 hours, we administered: **253 Dose 1 and 405 Dose 2 AstraZeneca vaccinations, as well as 2,968 doses of J&J.**
  - Cumulatively to date, **295,576 Dose 1 and 103,434 Dose 2 (35% of dose 1) AstraZeneca as well as 81,822 doses of J&J** have been administered. In addition, 6,899 Dose 1 and 6,336 Dose 2 Sinopharm (92% of dose 1) were administered in Lusaka and on the Copperbelt to Chinese nationals by their embassy
  - In summary, of the 872,000 doses received to date, 494,067 (57%) have been administered.

