ZAMBIA COVID-19 SITUATION REPORT NO. 338 – EPI WEEK 45

Disease Pandemic: COVID-19 | **Response start date: 30th January, 2020** | **Outbreak Declared:18th March, 2020**
Report date: Sunday 14th Nov, 2021 | **Prepared by:** MOH/ZNPHI/WHO | **Correspondence:**ims.covid@znphi.co.zm

1. SITUATION UPDATE *This week (8th – 14th November)* *Cases 81* *Deaths 2* *Recoveries 130*

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

- **Epi-week review (*8th-14th Nov*):** 81 confirmed cases, 2 deaths, and 130 recoveries reported (compared to 168 confirmed cases, 3 deaths, and 108 recoveries the previous week); this marks an **52% decrease in new cases**

➢ **Last 4 weeks (14-day period comparison):** there were 249 new cases and 5 deaths reported in the last 2 weeks, compared to 213 new cases and 3 deaths reported in the preceding 2 weeks (**17% increase in cases**).

➢ **Total new admissions**: 8 in the past week compared to 12 in the preceding week (33% decrease).

Global Numbers
(Source: Worldometre)
253,983,586 Confirmed
5,114,581 Deaths (2.0% CFR)
229,637,568 Recoveries

Africa Numbers
(Source: Africa CDC)
8,556,890 Confirmed
220,958 Deaths (2.6% CFR)
7,979,022 Recoveries

➢ **Cumulatively**, 209,983 cases with 3,666 deaths (CFR=1.7%) and 206,198 recoveries (98.2% recovered). Of the total deaths, 2,742 have been classified as COVID-19 deaths (CFR=1.3%) and 924 as associated deaths.

- **Currently**: there are **119 active cases**: of these, 112 (94%) are under community management and 7 (6%) are hospitalised, with seven (100%) on Oxygen therapy and three (43%) in critical condition.

2. EPIDEMIOLOGICAL HIGHLIGHTS

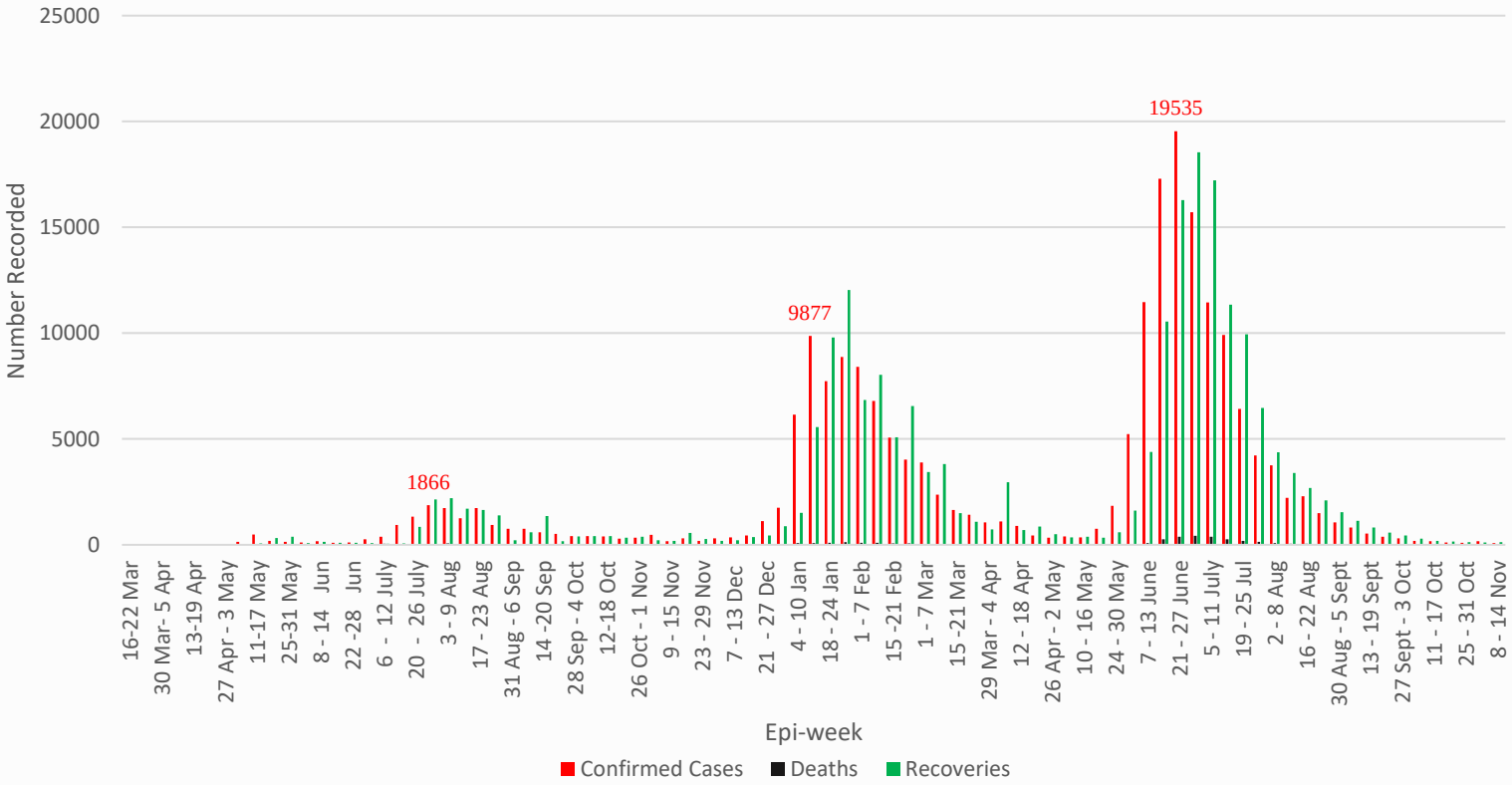


Figure 1: Epicurve of COVID-19 confirmed cases, deaths and recoveries by week, as of end of epi week 45 (14th November, 2021)

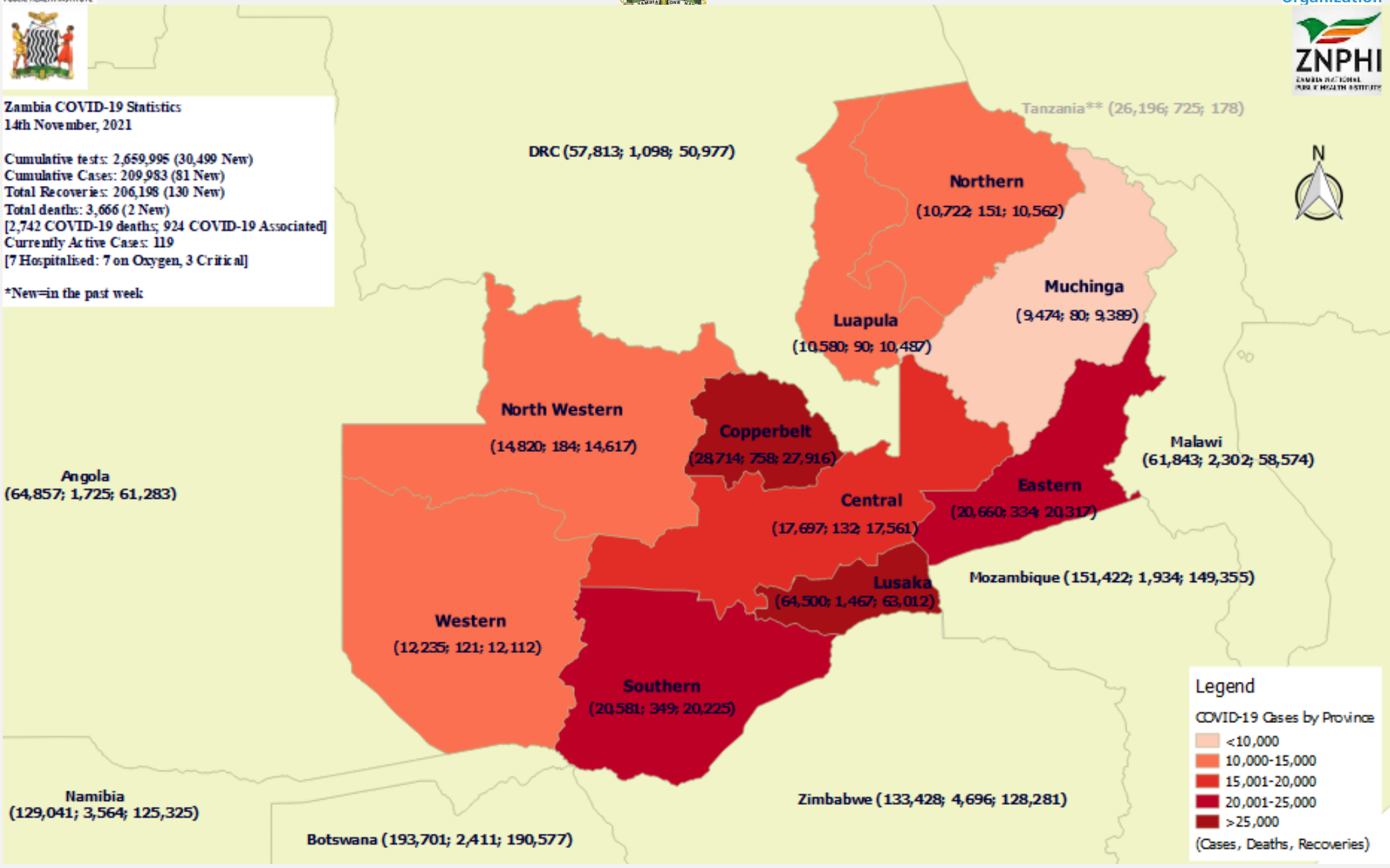


Figure 2: Map showing cumulative confirmed COVID-19 cases, deaths and recoveries (in brackets) by province and in neighbouring countries, as of 14th November, 202

ZAMBIA COVID-19 WEEKLY STATISTICS
14th November, 2021
81 New cases reported from 23/116 districts (93 districts reported 0 new cases)

CENTRAL (4): Shibuyunji 4; Chibombo 0; Chisamba 0; Chitambo 0; Itezhi-tezhi 0; Kabwe 0; Kapiri Mposhi 0; Luano 0; Mkushi 0; Mumbwa 0; Ngabwe 0; Serenje 0;

COPPERBELT (15): Kitwe 11; Chililabombwe 2; Chingola 1; Lufwanyama 1; Kalulushi 0; Luanshya 0; Masaiti 0; Mpongwe 0; Mufulira 0; Ndola 0;

EASTERN (5): Petauke 3; Chipata 1; Lundazi 1; Chadiza 0; Chasefu 0; Chipangali 0; Kasenengwa 0; Katete 0; Lumezi 0; Lusangazi 0; Mambwe 0; Nyimba 0; Sinda 0; Vubwi 0

LUAPULA (1): Chifunabuli 1; Chembe 0; Chienge 0; Chipili 0; Kawambwa 0; Lunga 0; Mansa 0; Milenge 0; Mwansabombwe 0; Mwense 0; Nchelenge 0; Samfya 0;

LUSAKA (20): Lusaka 20; Chilanga 0; Chirundu 0; Chongwe 0; Kafue 0; Luangwa 0; Rufunsa 0;

MUCHINGA (7): Nakonde 7; Chama 0; Chinsali 0; Isoka 0; Kanchibiya 0; Lavushimanda 0; Mafinga 0; Mpika 0; Shiwangandu 0;

NORTHERN (4): Mbala 2; Kasama 1; Mungwi 1; Chilubi 0; Kaputa 0; Lunte 0; Lupososhi 0; Luwingu 0; Mporokoso 0; Mpulungu 0; Nsama 0; Senga Hill 0;

NORTH-WESTERN (16): Solwezi 9; Kasempa 6; Mufumbwe 1; Chavuma 0; Ikelenge 0; Kabompo 0; Kalumbila 0; Manyinga 0; Mushindano 0; Mwinilunga 0; Zambezi 0;

SOUTHERN (6): Mazabuka 2; Zimba 2; Choma 1; Kalomo 1; Chikankata 0; Gwembe 0; Kazungula 0; Livingstone 0; Monze 0; Namwala 0; Pemba 0; Siavonga 0; Sinazongwe 0;

WESTERN (3): Mwandi 2; Limulunga 1; Kalabo 0; Kaoma 0; Luampa 0; Lukulu 0; Mitete 0; Mongu 0; Mulobezi 0; Nalolo 0; Nkeyema 0; Senanga 0; Sesheke 0; Shangombo 0; Sikongo 0; Sioma 0;

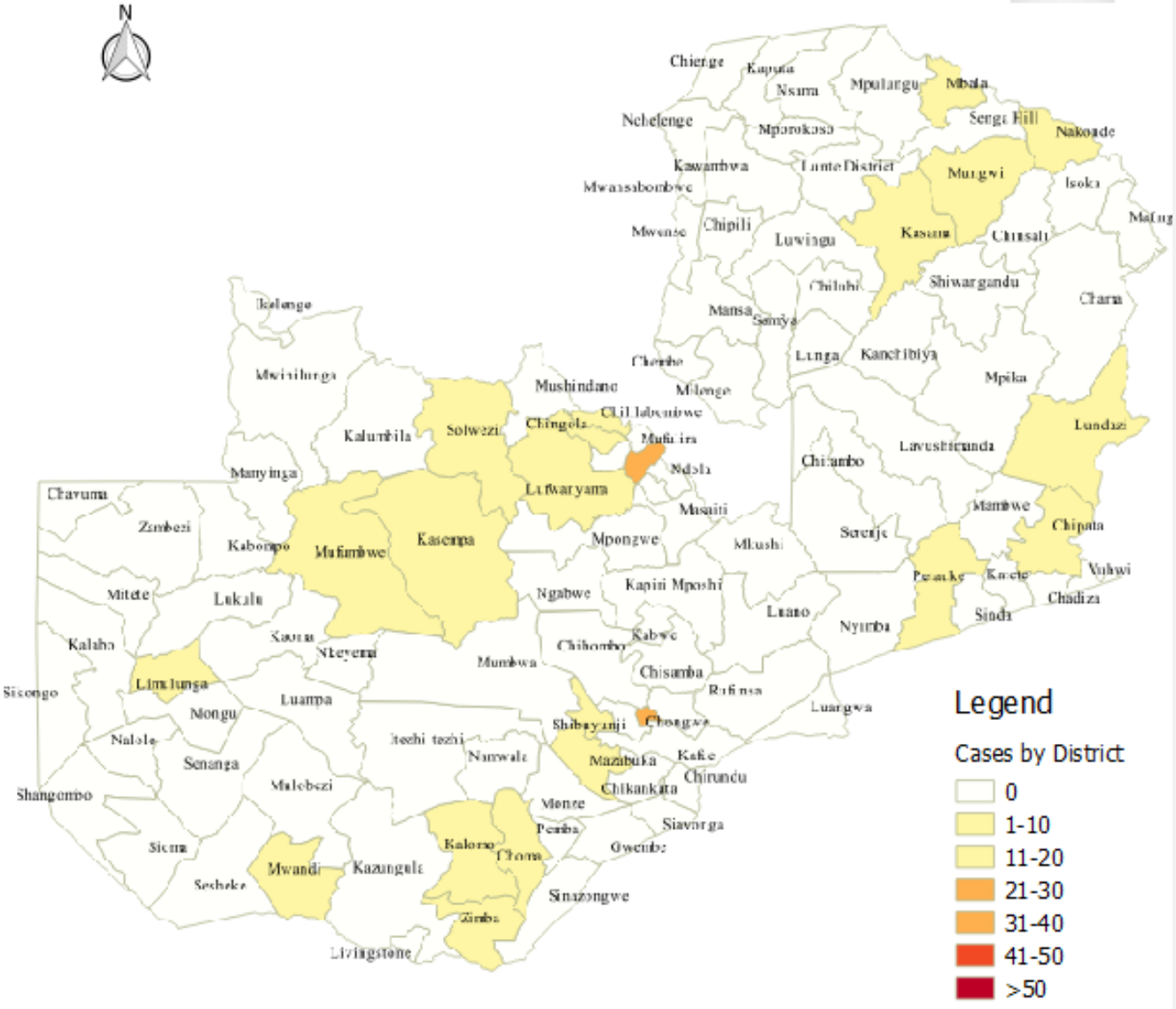


Figure 3: Map showing newly confirmed COVID-19 cases recorded by district during Epi-week 45 (8tt – 14th November, 2021)

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
Central	1,734,601	17,697	1,020	2	4	100% ↑	0.1	0.2	100% ↑
Copperbelt	2,669,635	28,714	1,076	63	15	-76% ↓	2.4	0.6	-76% ↓
Eastern	2,065,590	20,660	1,000	14	5	-64% ↓	0.7	0.2	-64% ↓
Luapula	1,276,608	10,580	829	11	1	-91% ↓	0.9	0.1	-91% ↓
Lusaka	3,360,183	64,500	1,920	26	20	-23% ↓	0.8	0.6	-23% ↓
Muchinga	1,095,535	9,474	865	4	7	75% ↑	0.4	0.6	75% ↑
Northern	1,520,004	10,722	705	30	4	-87% ↓	2.0	0.3	-87% ↓
N/western	950,789	14,820	1,559	13	16	23% ↑	1.3	1.7	23% ↑
Southern	2,135,794	20,581	964	2	6	200% ↑	0.1	0.3	200% ↑
Western	1,076,683	12,235	1,136	3	3	0% ~	0.3	0.3	0% ~
NATIONAL	**17,885,422**	**209,983**	**1,174**	**168**	**81**	**-52% ↓**	**0.94**	**0.45**	**-52% ↓**

↓reduction compared to previous week ↑ increased compared to previous week **~ approx. no change**

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	2,659,995	28,564	30,499	**1,935 ↑**	**7% ↑**
Test positivity	7.89%	0.59%	0.27%	**- 0.32% ↓**	**- 0.32% ↓**
Tests/100,000 pop	14,872	160	171	**11 ↑**	**7% ↑**
Cases	209,983	168	81	**- 87 ↓**	**- 52% ↓**
New Admissions	-	12	8	**- 4 ↓**	**- 33% ↓**
Deaths	3,666	3	2	**- 1 ↓**	**- 33% ↓**
CFR	1.75%				

Table 3: COVID-19 Resurgence thresholds by province as of 14th November, 2021

Province	Number of new cases over 14-days based on the 7-day moving average		Resurgence Threshold
	18th– 31st October	1st – 14th November	
Central	8	6	-19%
Copperbelt	16	74	352%
Eastern	9	21	131%
Luapula	21	18	-14%
Lusaka	86	59	-32%
Muchinga	14	8	-40%
Northern	26	39	49%
N/western	32	24	-24%
Southern	13	8	-44%
Western	14	8	-40%
NATIONAL	**240**	**266**	11%

Key:

<10% increase or decrease in new confirmed cases: **UNDER CONTROL**

10% to <20% increase in new confirmed cases: **ALERT**

20% and above increase in new confirmed cases: **RESURGENCE**

*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 **3,938,115 cases; 111,950 deaths and 3,797,202 recoveries.** Detailed updates on the COVID-19 statistics can be accessed on the Africa CDC website, and the Vaccination Dashboard can be accessed **here**

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 30th January and further declared COVID-19 a pandemic on 12th March. Zambia recorded its first two cases of COVID-19 on 18th 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.

- **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.

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
CENTRAL	1	0	0	0	4	0	0	0
COPPERBELT	0	0	24	0	40	0	0	0
EASTERN	0	0	1	0	9	0	0	0
LUAPULA	0	1	3	0	3	1	1	1
LUSAKA	4	0	1	1	21	6	6	2
MUCHINGA	4	1	1	1	5	0	0	0
NORTHERN	1	0	0	0	9	0	0	0
N/WESTERN	1	0	2	0	19	0	0	0
SOUTHERN	1	0	0	0	7	0	0	0
WESTERN	0	0	0	0	2	0	0	0
TOTAL	**12 Cases**	**2 Deaths**	**32 Discharges**	**2 New admissions**	**119 Active**	**7 Admitted**	**7 (100%) On O_2**	**3 (43%) Critical**

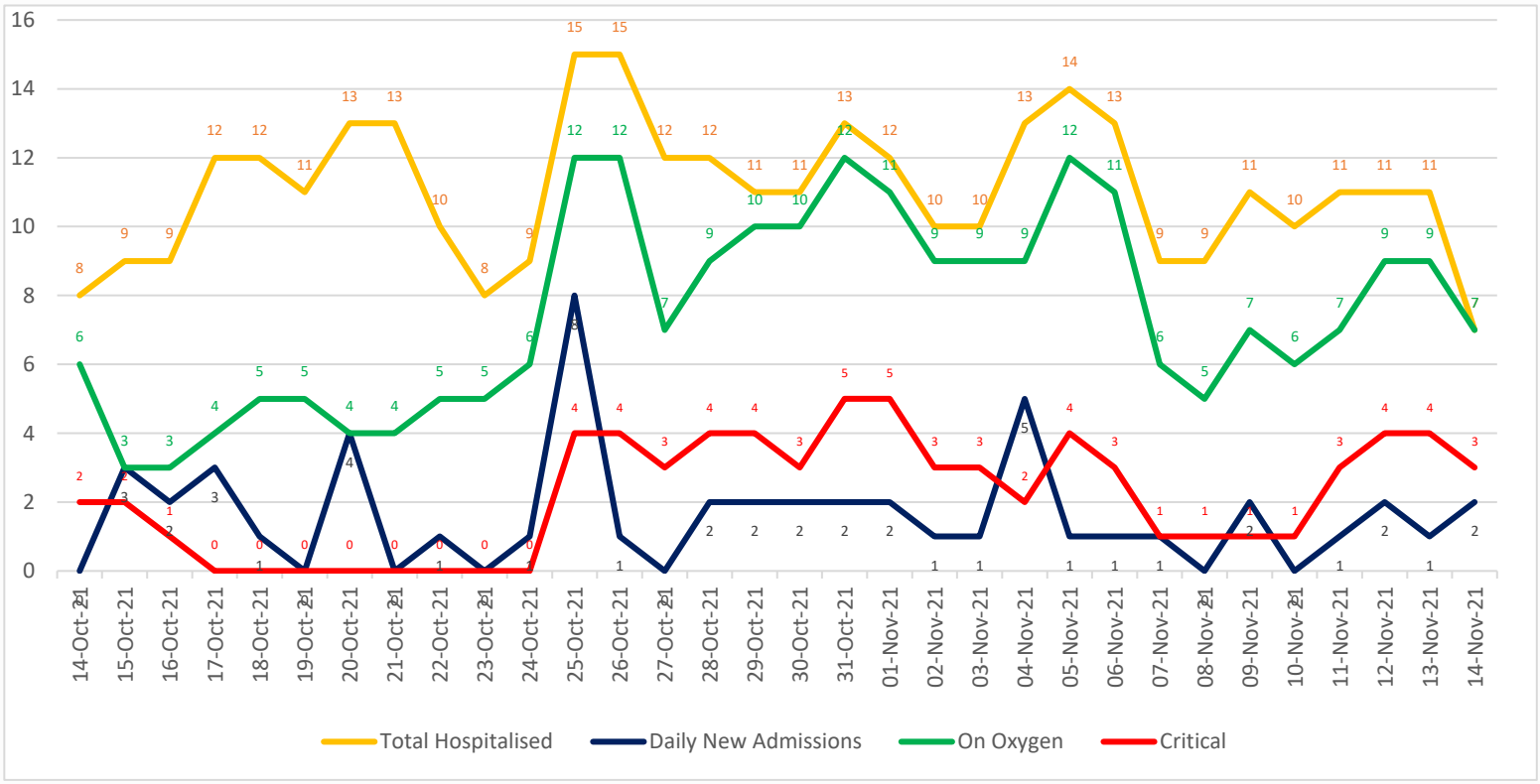


Figure 4: Case management trends over the past month, showing overall admissions, against daily new admissions, patients on Oxygen therapy and those in critical condition

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://arcg.is/15rqeP** and the revised testing strategy can be found here.

- **Previous week analysis (1st – 7th Nov): 28,564** tests were conducted in the previous week (**0.6%** tested positive for SARS-CoV-2) [compared to **28,336** tests the week before last (0.4% positivity)].
- **Current week analysis (8th -14th Nov):** The cumulative number of tests conducted this week was **30,499 (0.3% positivity).** See *figure 6* below for comparative analysis of tests conducted across the provinces
- The cumulative testing coverage is **148,724 per 1,000,000population.**

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	1,653	95	0.1%	1,274	73	0.3% ↑
Copperbelt	2,710	102	2.3%	3,343	125	0.4% ↓
Eastern	1,891	92	0.7%	1,800	87	0.3% ↓
Luapula	1,823	143	0.6%	1,471	115	0.1% ↓
Lusaka	10,292	306	0.3%	10,477	312	0.2% ↓
Muchinga	1,536	140	0.3%	1,814	166	0.4% ↑
Northern	2,585	170	1.2%	2,415	159	0.2% ↓
N/western	1,375	145	0.9%	2,424	255	0.7% ↓
Southern	3,682	172	0.1%	4,230	198	0.1% ~
Western	1,017	94	0.3%	1,251	116	0.2% ↓
NATIONAL	**28,564**	**160**	**0.6%**	**30,499 ↑**	**171 ↑**	**0.3% ↓**

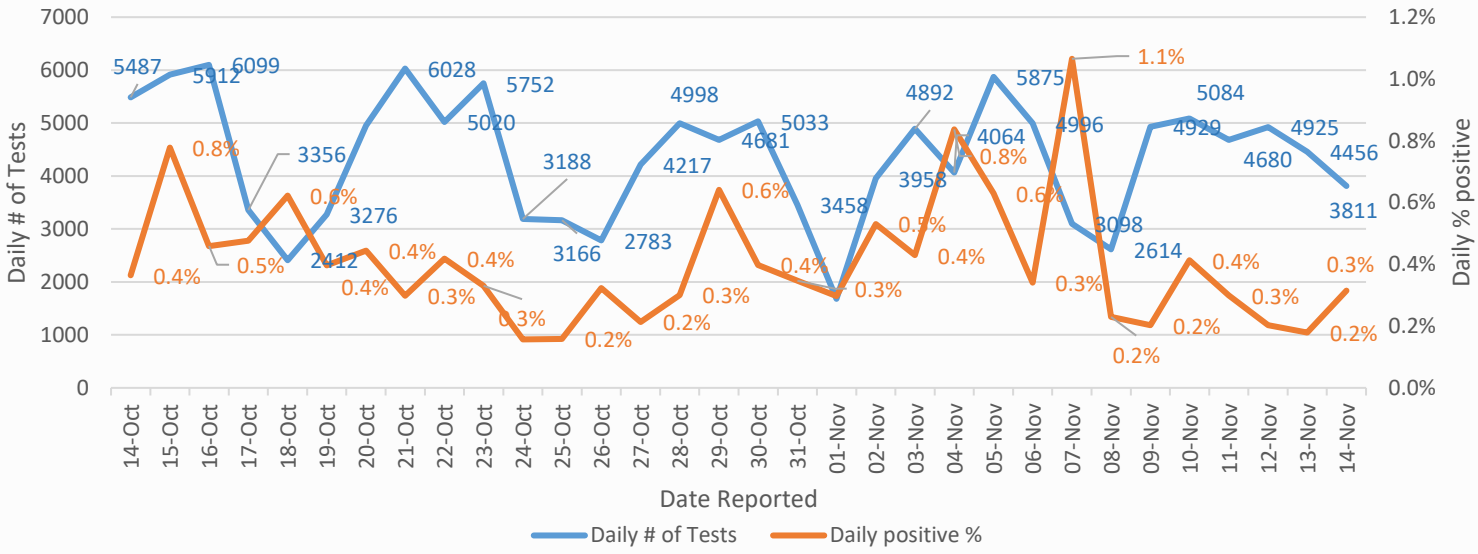


Figure 5: Daily number of tests vs % of positive results recorded (past month)

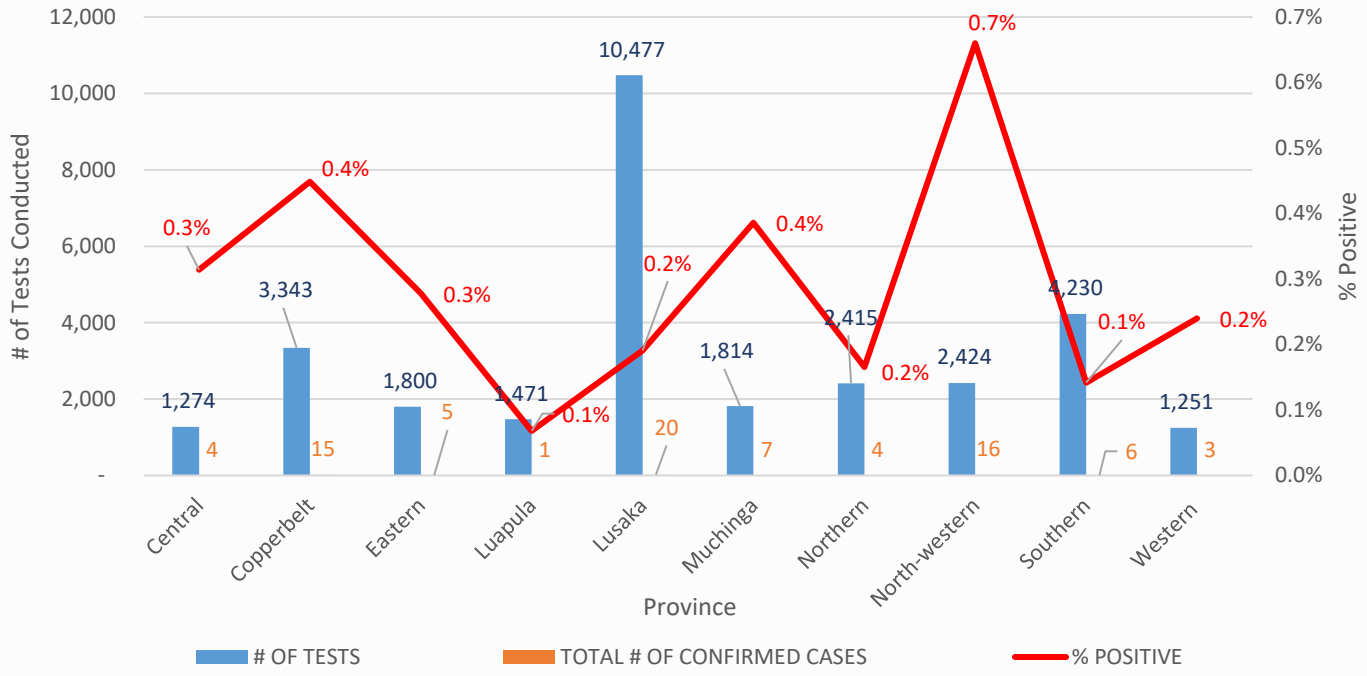


Figure 6: Comparison of number of tests conducted and positives across the provinces – Epi-week 45 (8th -14th Nov)

3.4 COVID-19 VACCINATION PROGRAMME AND LABORATORY

- The vaccination programme was officially launched on **Wednesday 14th April, 2021** by the past Minister of Health, Hon. Dr. Jonas Chanda. Administration of Dose 1 was paused temporarily on 24th 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, 23rd June 2021; Dose 1** vaccinations resumed on Friday 9th July, 2021.
  - To date, 2,600,100 vaccines doses have been received in country, broken down as follows: 113,600 Sinopharm, 188,400 Moderna, 985,300 AstraZeneca and 1,312,800 Johnson and Johnson.
  - In the last week, we administered:
    (i) 3,440 Dose 1 and 3,465 Dose 2 AstraZeneca
    (ii) 33,030 doses of J&J
    (iii) 1,252 Dose 1 and 343 Dose 2 Sinopharm
  - Cumulatively, we have administered:
    (i) **366,565 Dose 1 and 196,815 Dose 2 (54% of dose 1) AstraZeneca**
    (ii) **405,967 doses of J&J**
    (iii) **17,120 Dose 1** and **7,258 Dose 2** Sinopharm (42% of dose 1)
  - In summary, 993,725 (38%) of the received doses have been administered to date: 383,685 Dose 1 and 610,040 full vaccination

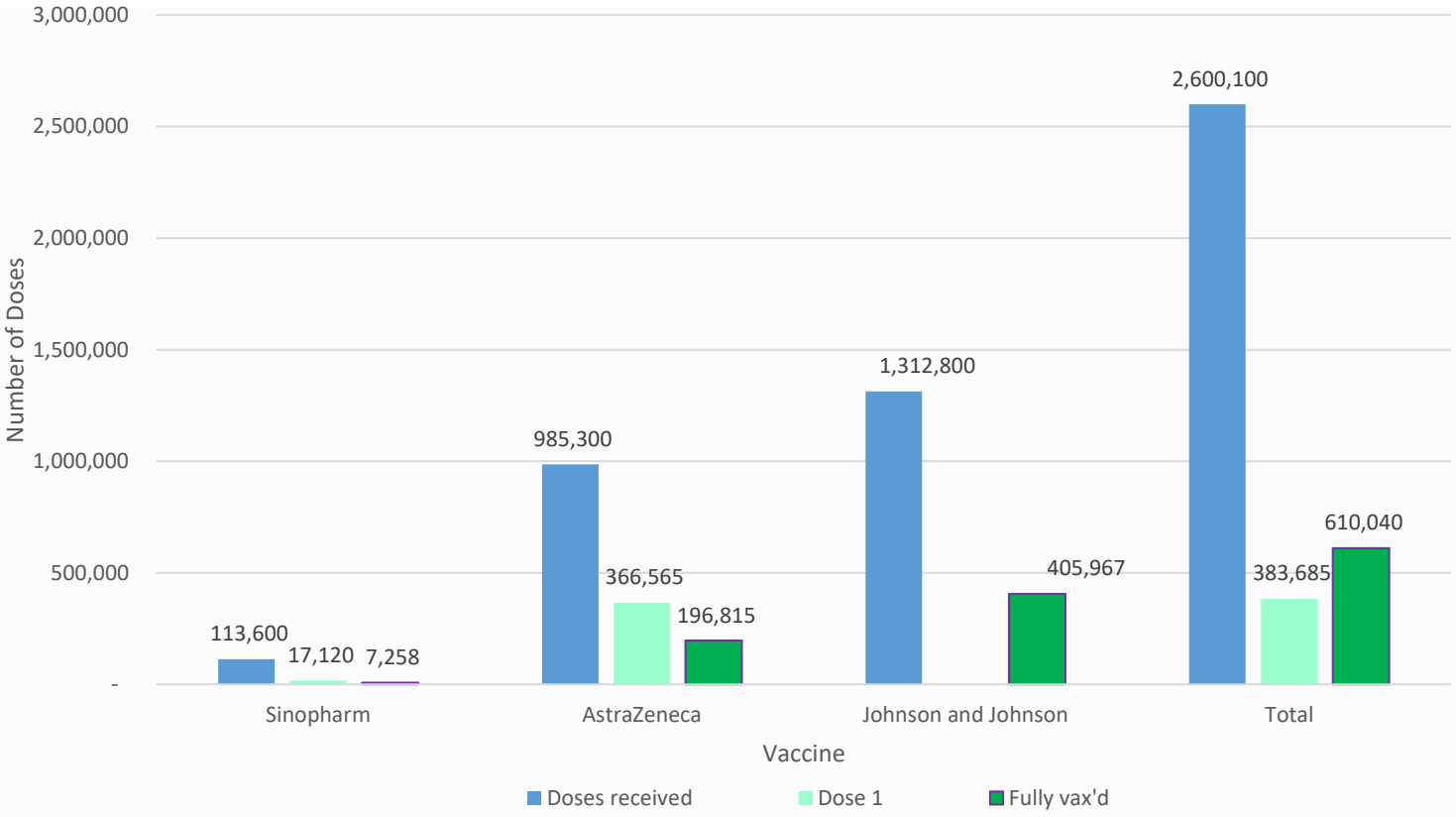


Figure 6: Comparison of vaccines received, doses administered and wastage rates, as of 14th November 2021