



ZAMBIA COVID-19 SITUATION REPORT NO. 365 – EPI WEEK 20

Disease Pandemic: COVID-19 Response start date: 30th January, 2020 Outbreak Declared: 18th March, 2020
Report date: Sunday 22nd May, 2022 Prepared by: MOH/ZNP HI/WHO Correspondence: ims.covid@znphi.co.zm

1. SITUATION UPDATE (16th – 22nd May) 🧑‍🦰 Cases 519 🧑‍🦱 Deaths 2 🧑‍🦲 Admissions 17 🧑‍🦱 Recoveries 442

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

- **Epi-week review:** 519 confirmed cases, 2 deaths, and 442 recoveries reported (compared to 501 confirmed cases, 1 death, and 404 recoveries recorded the previous week); this marks a **4% increase in new cases**. This is the second consecutive week that we have recorded an increase in new cases
- **Last 4 weeks (14-day period comparison):** there were 1,020 new cases and 3 deaths reported in the last two weeks, compared to 849 new cases and 6 deaths reported in the preceding 2 weeks.
- **Total new admissions:** 17 in the past week (compared to 26 the week before)
- **Cumulatively, 321,146 cases** with 3,985 deaths (**CFR=1.2%**) and 316,518 recoveries (**99% recovered**). Of the total deaths, 2,856 have been classified as COVID-19 deaths (CFR_{COVID-19}=0.9%) and 1,129 as associated deaths.
- **Currently:** there are **643 active cases**: of these, 629 (98%) are under community management while 14 (2%) are hospitalised, with 4 (29%) on Oxygen therapy and none in critical condition; 2 of the admitted are vaccinated

Global Numbers
(Source: Worldometre)

- 🧑‍🦰 **527,450,948 Confirmed**
- 🧑‍🦱 **6,300,159 Deaths (1.2% CFR)**
- 🧑‍🦱 **497,410,357 Recoveries**

Southern Africa Numbers
(Source: Africa CDC)

- 🧑‍🦰 **11,596,707 Confirmed**
- 🧑‍🦱 **252,892 Deaths (2.2% CFR)**
- 🧑‍🦱 **10,918,957 Recoveries**

2. EPIDEMIOLOGICAL HIGHLIGHTS

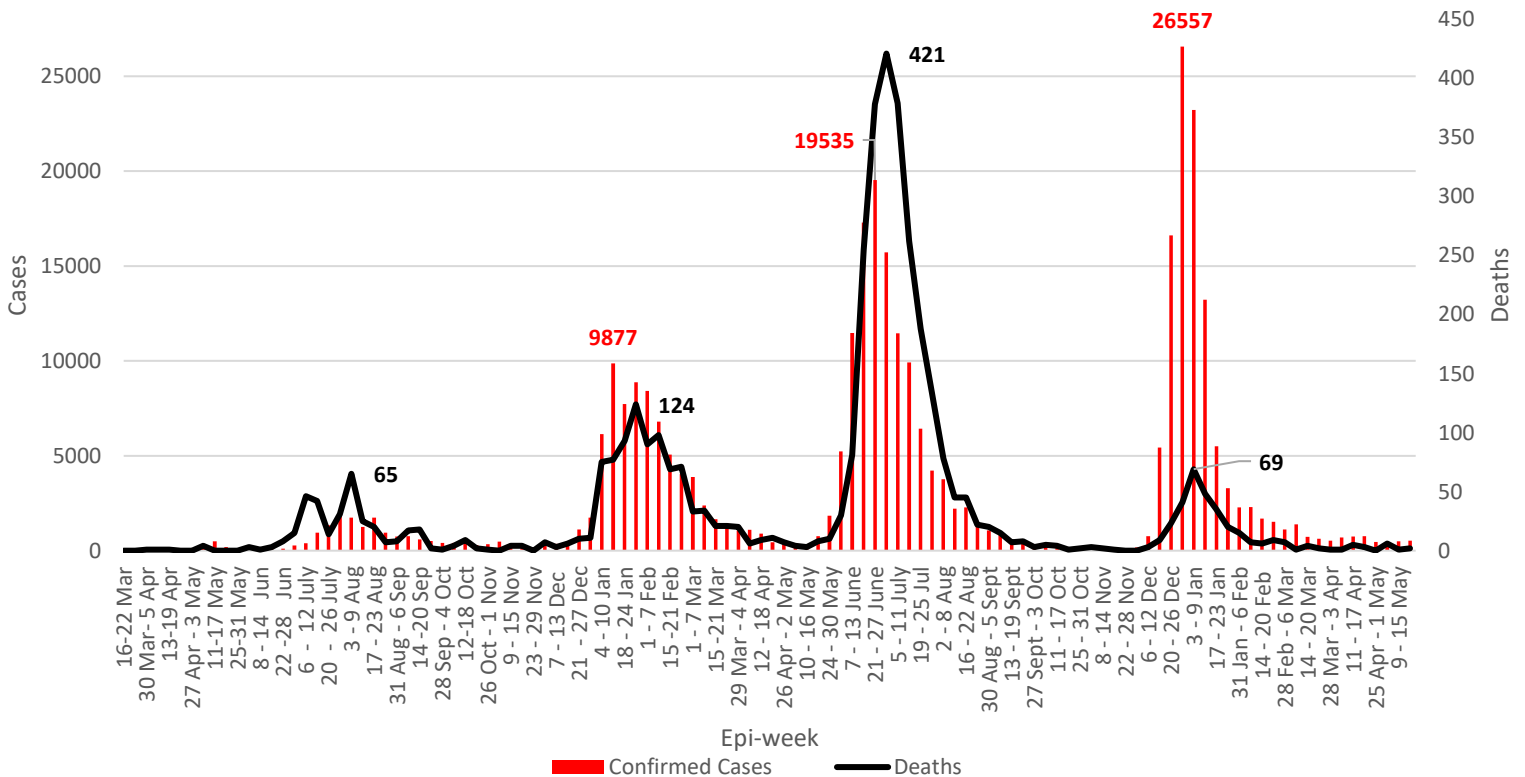


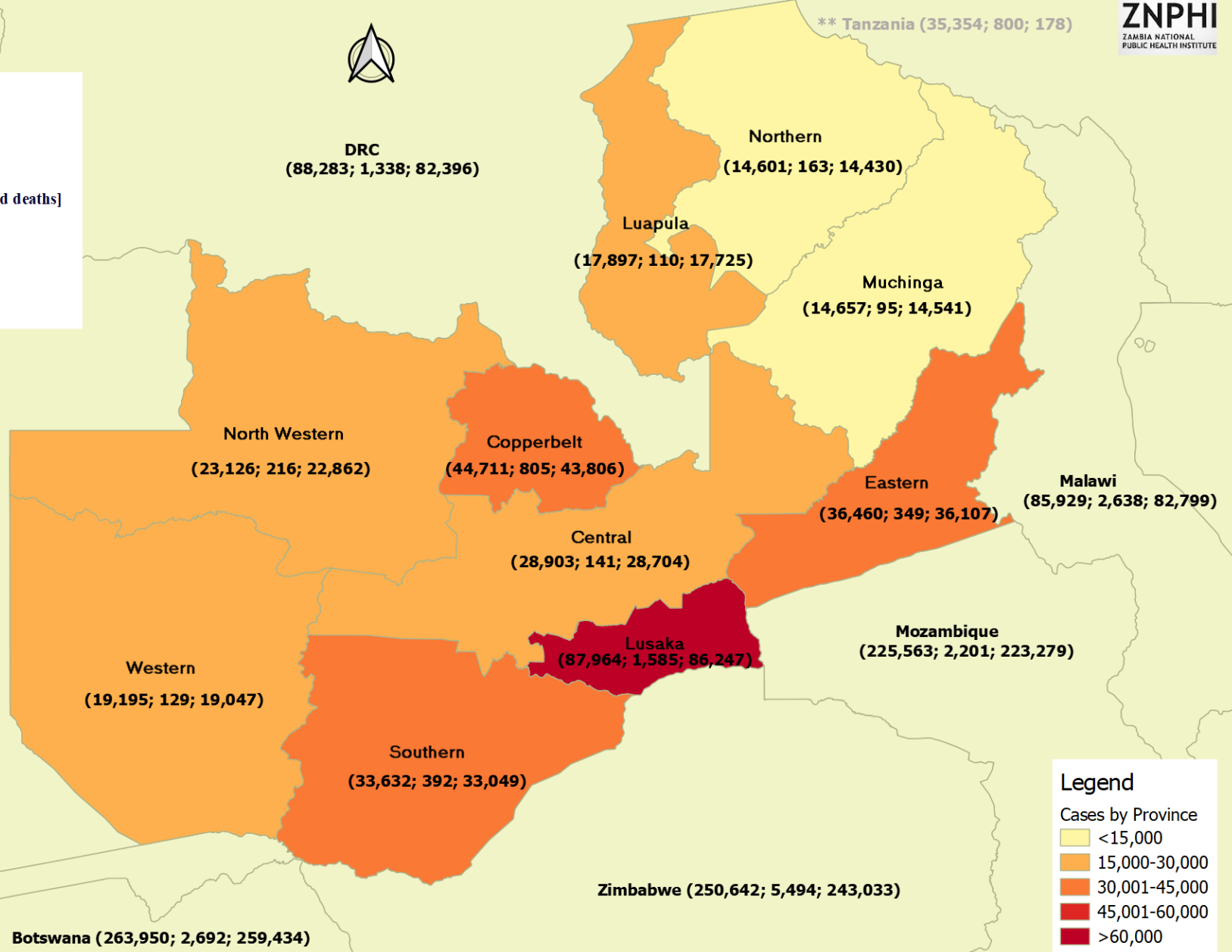
Figure 1: Epicurve of COVID-19 confirmed cases and deaths by week, as of end of epi-week 20, 2022 (16-22 May, 2022)



Zambia COVID-19 Statistics
Week ending 22nd May, 2022

Tests: 3,467,200 (13,398 New)
 Cases: 321,146 (519 New)
 Deaths: 3,985 (2 New)
 [2,856 COVID-19 deaths; 1,129 Associated deaths]
 Recoveries: 316,518 (442 New)
 Current # of active cases: 643
 [14 Hospitalised: 4 on Oxygen; 0 Critical]

*New: recorded in the past week



Legend

Cases by Province

- <15,000
- 15,000-30,000
- 30,001-45,000
- 45,001-60,000
- >60,000

Figure 2: Map showing cumulative confirmed COVID-19 cases, deaths and recoveries (in brackets) by province, as of 22 May 2022



ZAMBIA COVID-19 WEEKLY STATISTICS

16 - 22 May, 2022

591 New cases reported from 50/116 districts; 66 districts did not record any new cases)

CENTRAL (47): Kabwe 23, Mkushi 8, Chitambo 7, Kapiri Mposhi 6, Serenje 2, Luano 1, Chibombo 0, Chisamba 0, Mumbwa 0, Ngabwe 0, Shibuyunji 0,

COPPERBELT (79): Lufwanyama 22; Kitwe 19; Chingola 18, Masaiti 10, Kalulushi 4, Chililabombwe 3, Mufulira 2, Luanshya 1, Mpongwe 0, Ndola 0,

EASTERN (4): Chipata 1, Lundazi 1, Mambwe 1, Sinda 1, Chadiza 0, Chama 0, Chasesfu 0, Chipangali 0, Kasenengwa 0, Katete 0, Lumezi 0, Lusangazi 0, Nyimba 0, Petauke 0, Vubwi 0,

LUAPULA (50): Chifunabuli 22; Samfya 11, Chiengi 9, Mansa 4, Chembe 1, Chipili 1, Kawambwa 1, Mwense 1, Lunga 0, Milenge 0, Mwanabombwe 0, Nchelenge 0,

LUSAKA (134): Lusaka 127, Chongwe 7, Chilanga 0, Kafue 0, Luangwa 0, Rufunsa 0,

MUCHINGA (20): Mpika 19, Chinsali 1, Isoka 0, Kanchibiya 0, Lavushimanda 0, Mafinga 0, Nakonde 0, Shiwangandu 0,

NORTHERN (3): Kasama 2, Mbala 1, Chilubi 0, Kaputa 0, Lunte 0, Lupososhi 0, Luwingu 0, Mporokoso 0, Mpulungu 0, Mungwi 0, Nsama 0, Senga Hill 0

NORTH-WESTERN (32): Kasempa 10, Solwezi 10, Kalumbila 8, Zambezi 2, Chavuma 1, Mufumbwe 1, Ikelenge 0, Kabompo 0, Manyinga 0, Mushindano 0, Mwinilunga 0,

SOUTHERN (141): Monze 103, Chikankata 19, Mazabuka 5, Choma 4, Kalomo 4, Gwembe 3, Itezhi tezhi 1, Livingstone 1, Sinazongwe 1, Chirundu 0, Kazungula 0, Namwala 0, Pemba 0, Siavonga 0, Zimba 0,

WESTERN (9): Kalabo 4, Senanga 4, Luampa 1, Kaoma 0, Limulunga 0, Lukulu 0, Mitete 0, Mongu 0, Mulobezi 0, Mwandi 0, Nalolo 0, Nkeyema 0, Sesheke 0, Shangombo 0, Sikongo 0, Sioma 0,

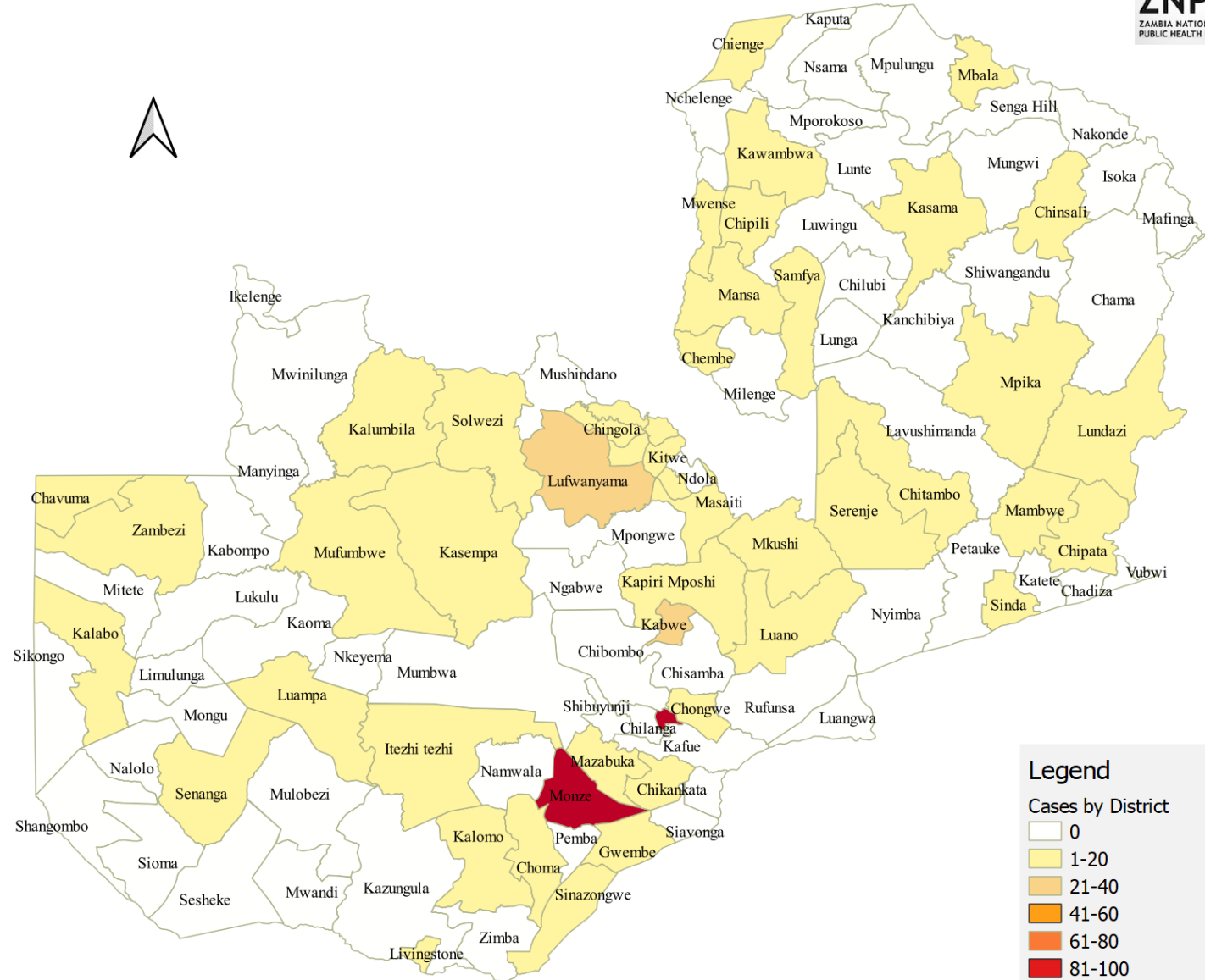


Figure 3: Map showing newly confirmed COVID-19 cases recorded by district during Epi-week 20 (16 – 22 May 2022)



Table 1: Incidence risk by province, as of 22 May 2022

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	28,903	1,666	73	47	-36%	4.2	2.7	-36%
Copperbelt	2,669,635	44,711	1,675	55	79	44%	2.1	3.0	44%
Eastern	2,065,590	36,460	1,765	5	4	-20%	0.2	0.2	-20%
Luapula	1,276,608	17,897	1,402	68	50	-26%	5.3	3.9	-26%
Lusaka	3,360,183	87,964	2,618	75	134	79%	2.2	4.0	79%
Muchinga	1,095,535	14,657	1,338	8	20	150%	0.7	1.8	150%
Northern	1,520,004	14,601	961	20	3	-85%	1.3	0.2	-85%
N/western	950,789	23,126	2,432	47	32	-32%	4.9	3.4	-32%
Southern	2,135,794	33,632	1,575	131	141	8%	6.1	6.6	8%
Western	1,076,683	19,195	1,783	19	9	-53%	1.8	0.8	-53%
NATIONAL	17,885,422	321,146	1,796	501	519	4%	2.8	2.9	4%

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

Table 2:

Indicator	Cumulative	7 days comparison		Change	
		Previous 7 days	Last 7 days	Difference	% Change
Tests	3,467,200	14,100	13,398	-702	-5%
Test positivity	9.3%	4%	4%	0.3%	~0%
Tests/100,000 pop	19,386	79	75	-4	-5%
Cases	321,146	501	519	18	4%
New Admissions	-	26	17	-9	-35%
Deaths	3,985	1	2	1	100%
CFR	1.2%				



Table 3: COVID-19 Resurgence thresholds by province as of 22 May 2022

Province	Number of new cases over 14-days based on the 7-day moving average		Resurgence Threshold
	9 – 15 May	16 - 22 May	
Central	72	55	-23%
Copperbelt	47	71	50%
Eastern	4	5	3%
Luapula	63	60	-5%
Lusaka	83	91	10%
Muchinga	8	15	104%
Northern	13	11	-11%
N/western	45	45	1%
Southern	101	162	60%
Western	16	17	4%
NATIONAL	451	531	18%

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

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. 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 continues to implement 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.**
- Measures and interventions to control the spread of COVID-19 countrywide are 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 Thursday morning; while senior technical meetings at ministerial level are held twice weekly.

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 **four distinct waves** of the pandemic, with a last wave having peaked during the week of 27th Dec ‘21-2nd Jan 2022



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 4** for the surveillance statistics reported in the last week as well as current admission statistics; and **figure 4** for case management trends over the past month.

Table 4: Breakdown of surveillance and case management statistics reported in the last week and current admissions by province

PROVINCE	RECORDED IN THE LAST WEEK				CURRENT STATISTICS			
	NEW CASES	DEATHS	DISCHARGES	TOTAL NEW ADMISSIONS	CURRENTLY ACTIVE	CURRENTLY ADMITTED	ON OXYGEN	CRITICAL
CENTRAL	47	0	67	0	58	1	0	0
COPPERBELT	79	0	39	3	100	3	1	0
EASTERN	4	0	5	0	4	0	0	0
LUAPULA	50	2	64	2	62	2	0	0
LUSAKA	134	0	90	3	132	4	2	0
MUCHINGA	20	0	7	0	21	0	0	0
NORTHERN	3	0	15	0	8	0	0	0
N/WESTERN	32	0	43	7	48	2	0	0
SOUTHERN	141	0	99	2	191	2	1	0
WESTERN	9	0	13	0	19	0	0	0
TOTAL	519 Cases	2 Deaths	442 Discharges	17 New admissions	643 Active	14 Admitted	4 (27%) On O₂	0 (0%) Critical

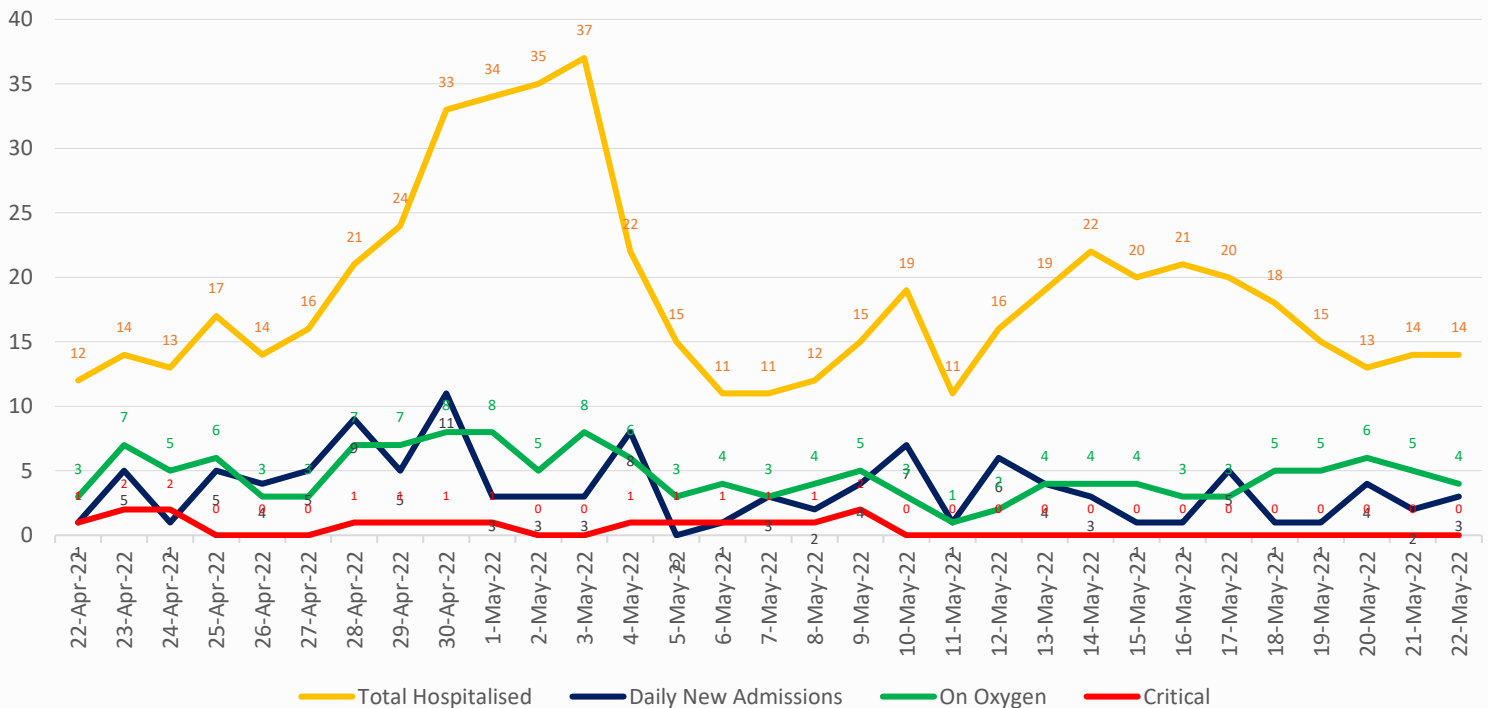


Figure 4: Case management trends over the past month, showing overall admissions, against daily new admissions, patients on Oxygen therapy and those in critical condition



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://arccg.is/15rqeP> and the revised testing strategy can be found [here](#).
- On 10th January 2022, government revised the testing strategy to prioritise only those presenting with symptoms. This came as a result of increased global and local demand for test kits due to increased community transmission
- **Current week analysis (16-22 May):** The total number of tests conducted this week was **13,398**, (5% fewer tests than last week); overall positivity was **4%**. See *figure 5* below for comparative analysis of tests conducted across the provinces
- **Previous week analysis (9 -15 May):** **14,100** tests were conducted in the previous week (**4%** tested positive for SARS-CoV-2) [compared to **11,301** tests the week before last (3% positivity)].
- The cumulative testing coverage is **19,386 per 100,000population**.

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

Province	Last week				This Week		
	Population (mid-2020)	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	1,734,601	797	46	9%	799	46	6% ↓
Copperbelt	2,669,635	1,456	55	4%	1,780	67	4% ~
Eastern	2,065,590	1,040	50	0.5%	690	33	0.6% ~
Luapula	1,276,608	1,350	106	5%	1,084	85	5% ~
Lusaka	3,360,183	5,240	156	1%	5,757	171	2% ↑
Muchinga	1,095,535	456	42	2%	817	75	2% ~
Northern	1,520,004	787	52	3%	227	15	1% ↓
N/western	950,789	813	86	6%	733	77	4% ↓
Southern	2,135,794	1,581	74	8%	1,193	56	12% ↑
Western	1,076,683	580	54	3%	318	30	3% ~
NATIONAL	17,885,422	14,100	79	4%	13,398	75	4% ~



3.4 COVID-19 VACCINATION PROGRAMME

- A 10-day nationwide vaccination campaign **launched** on Saturday **14 May 2022**, in a bid to escalate progress towards the vaccination target of 70% of the eligible population.
- To date, Zambia has received **10,406,410 vaccines** doses, broken down as follows: 188,400 Moderna; 1,549,300 AstraZeneca; 1,749,600 Sinopharm; 2,296,710 Pfizer; and 4,622,400 Johnson and Johnson; with the most recent receipt being 574,470 doses of Pfizer received under COVAX on 6TH May 2022.
- In the just ended epi-week, **277,546 Dose 1; 398,863 Dose 2/full** (including the single Dose J&J vaccinations) **and 40,447 Booster vaccinations** were administered.
- The vaccination statistics for the past week and cumulatively are broken down as follows:

Table 6: Comparison of vaccine doses received and doses administered, as of 22May 2022

Vaccine	RECEIVED	ADMINISTERED THIS WEEK			CUMULATIVE TO DATE		
	# of Doses	Dose 1	Dose 2	Booster	Dose 1	Dose 2	Booster
AstraZeneca	1,549,300	3,913	3,615	374	628,220	308,124	16539
J&J	4,622,400	-	360,828	27807	-	2,385,713	109992
Moderna	188,400	271	535	17	98,470	66,374	4,276
Pfizer	2,296,710	206,179	21,411	11,134	561,592	80,312	56,994
Sinopharm	1,749,600	67,183	12,474	1115	433,066	94,810	4766
TOTAL	10,406,410	277,546	398,863	40,447	1,721,348	2,935,333	192,567

➤ **In summary**, of the total vaccine doses received, 4,849,248 (47%) have been administered to date; wastage rate is estimated at 2.3%