

ZAMBIA COVID-19 SITUATION REPORT NO. 319 – EPI WEEK 32

Disease Pandemic: COVID-19

Response start date: 30th January, 2020

Outbreak Declared: 18th March, 2020

Report date: Sunday 15th August, 2021 Prepared by: MOH/ZNP HI/WHO

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1. SITUATION UPDATE *This week (9th – 15th Aug)* **Cases 2,212** **Deaths 45** **Recoveries 3,398**

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

➤ **In the last 24hrs:** we recorded **183 new cases** out of 4,071 tests (4% positivity), **8 deaths** and **507 recoveries**

➤ **Epi-week review (9th – 15th Aug):** 2,212 confirmed cases, 45 deaths, and 3,398 recoveries reported (compared to 3,756 confirmed cases, 78 deaths, and 4,373 recoveries the previous week).

- This marks an **41% decrease in new cases** and **42% decrease in new deaths**

➤ **Last 4 weeks (14-day period comparison):** there were 5,968 cases reported in the last 2 weeks, compared to 10,644 new cases reported in the preceding 14 days (44% decrease).

➤ **Total new admissions:** 201 in the past week compared to 303 in the preceding week (34% decrease).



➤ **Cumulatively,** 202,261 cases with 3,529 deaths (CFR=1.7%) and 195,877 recoveries (97% recovered). Of the total deaths, 2,647 have been classified as COVID-19 deaths (CFR=1.3%) and 882 as associated deaths.

- **Currently:** there are **2,855 active cases:** of these, 2,637 (92%) under community management and 218 (8%) are hospitalised, with 154 (71%) on Oxygen therapy and 57 (26%) in critical condition.

Global Numbers (Source: Worldometre)

 **207,907,082 Confirmed**
 **4,373,339 Deaths (2.1% CFR)**
 **186,351,682 Recoveries**

Africa Numbers (Source: Africa CDC)

 **7,263,199 Confirmed**
 **183,131 Deaths (2.5% CFR)**
 **6,338,983 Recoveries**

2. EPIDEMIOLOGICAL HIGHLIGHTS

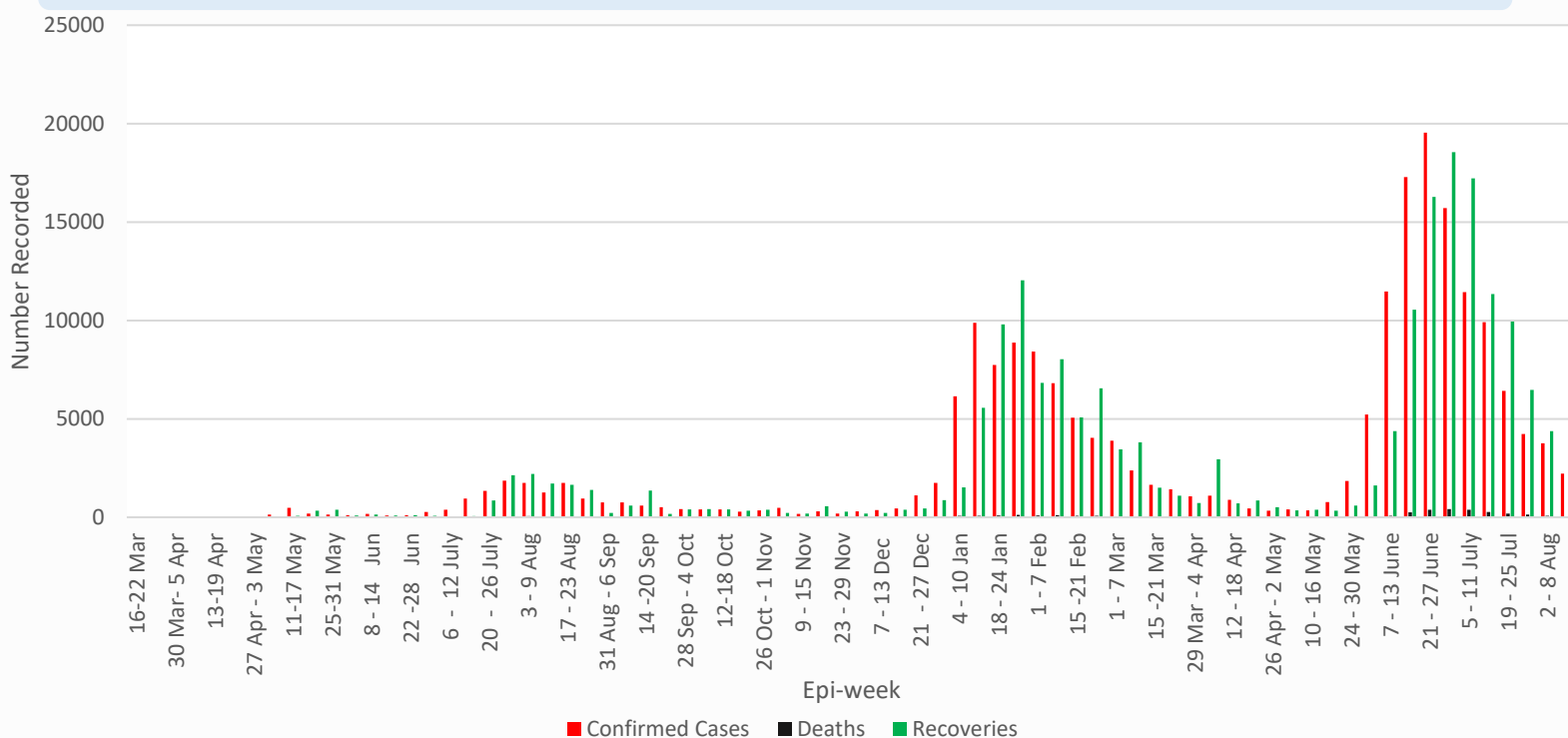


Figure 1: Epicurve of COVID-19 confirmed cases, deaths and recoveries by week, as of end of epi week 32 (15th August, 2021)

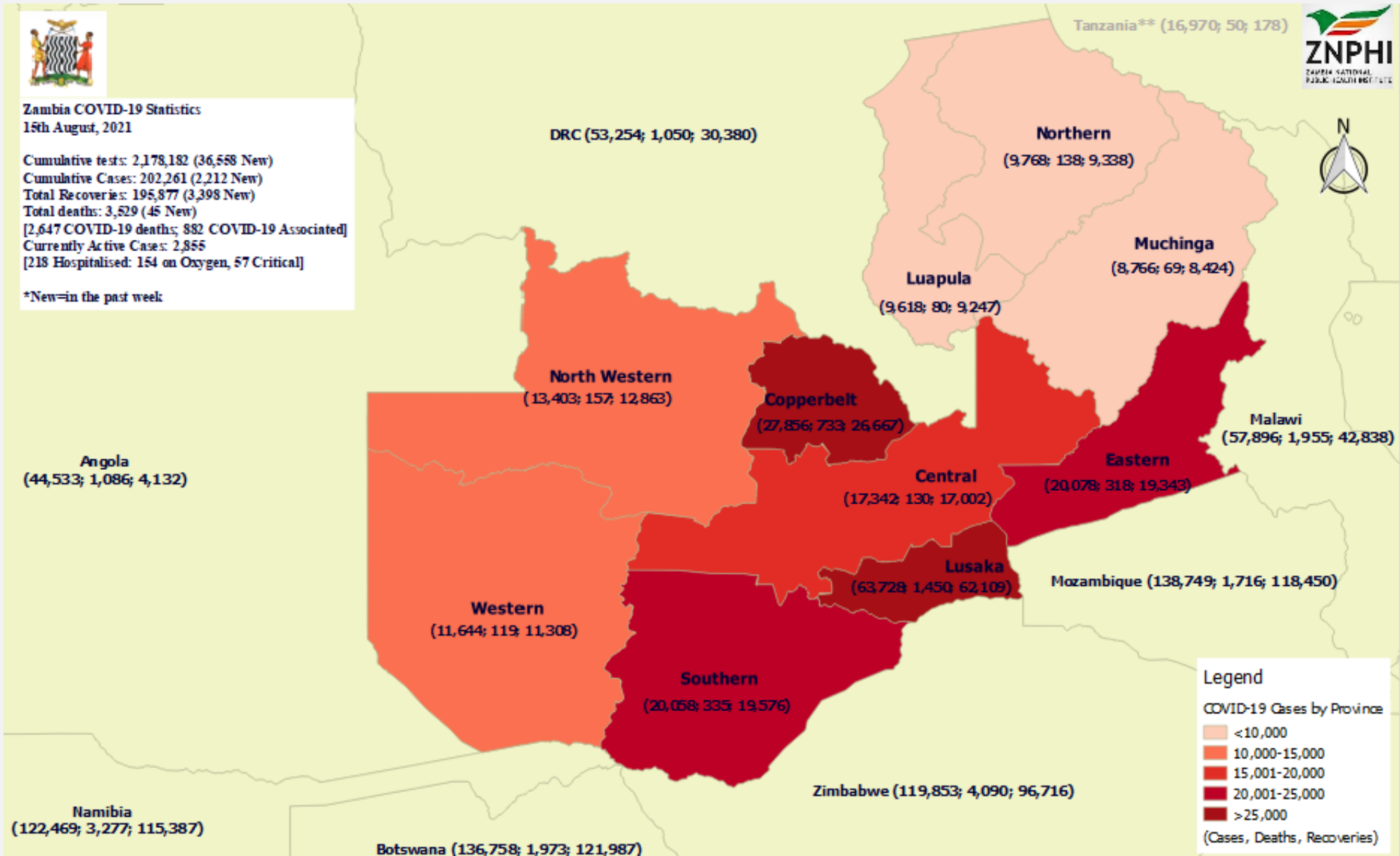


Figure 2: Map showing cumulative confirmed COVID-19 cases, deaths and recoveries (in brackets) by province and in neighbouring countries, as of 15th August, 2021

*Blue text: indicates updated information



ZAMBIA COVID-19 WEEKLY STATISTICS
15th August, 2021
2,212 New cases reported from 112 districts

Central: Kabwe 65; Chisamba 24; Mkushi 21; Chibombo 16; Mumbwa 16; Kapiri Mposhi 15; Itezhi-tezhi 10; Luano 6; Serenje 6; Chitambo 3; Shibuyunji 1; Ngabwe 0

Copperbelt: Chingola 68; Kitwe 61; Mufulira 42; Luanshya 30; Ndola 30; Chililabombwe 24; Masaiti 19; Lufwanyama 13; Kalulushi 11; Mpongwe 11;

Eastern: Chipangali 44; Chipata 44; Petauke 31; Nyimba 26; Sinda 26; Chadiza 24; Katete 18; Lumezi 15; Chasefu 12; Mambwe 10; Vubwi 10; Lundazi 9; Lusangazi 9; Kasenengwa 4;

Luapula: Mansa 44; Nchelenge 41; Kawambwa 28; Mwenze 24; Mwansabombwe 23; Chifunabuli 21; Milenge 8; Chiengi 7; Samfya 7; Chipili 6; Chembe 5; Lunga 0;

Lusaka: Lusaka 106; Chirundu 11; Chongwe 11; Kafue 4; Luangwa 4; Rufansa 4; Chilanga 1;

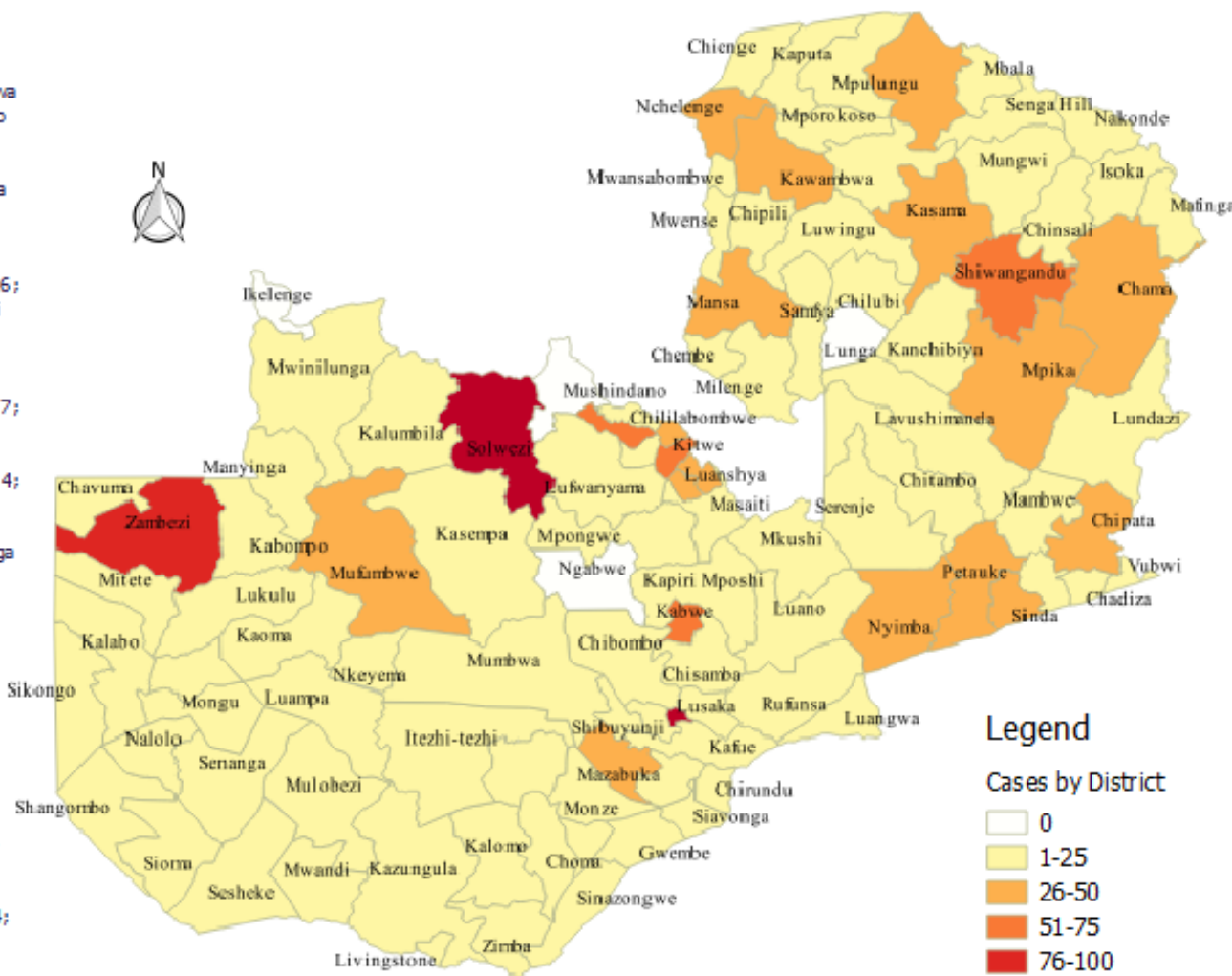
Muchinga: Shiwangandu 60; Chama 28; Mpika 28; Isoka 25; Mafinga 21; Nakonde 17; Kanchibiya 8; Lavushimanda 7; Chinsali 6;

Northern: Kasama 49; Mpulungu 28; Senga Hill 25; Luwingu 24; Mbala 23; Kaputa 20; Lunte District 19; Mungwi 18; Chilubi 17; Luposashi 8; Mporokoso 7; Nsama 3;

North-western: Solwezi 103; Zambezi 82; Mufumbwe 32; Kasempa 24; Kalumbila 19; Mwinilunga 19; Manyinga 11; Kabompo 7; Chavuma 2; Ikelenge 0; Mushindano 0;

Southern: Mazabuka 32; Monze 21; Choma 18; Chikankata 15; Sinazongwe 15; Kalomo 13; Namwala 13; Siavonga 11; Livingstone 10; Gvembe 8; Zimba 8; Pemba 7; Kazungula 1;

Western: Nalolo 23; Sioma 21; Limulunga 17; Mongu 15; Kaoma 14; Senanga 14; Shangombo 12; Mulobezi 11; Sesheke 10; Luampa 7; Mwiandi 7; Sikongo 7; Nkeyema 6; Kalabo 3; Lukulu 2; Mitete 2;



Legend

Cases by District

- 0
- 1-25
- 26-50
- 51-75
- 76-100
- >100

Figure 3: Map showing new confirmed COVID-19 cases by district during Epi-week 32 (9th -15th 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 detected this week | New cases in previous week | Percentage change in new cases | Incidence risk this week (cases/100 000 persons) | Incidence risk last week (cases /100 000 persons) | Percentage change in incidence risk |
|-----------------|-----------------------|------------------|---|------------------------------|----------------------------|--------------------------------|--|---|-------------------------------------|
| Central | 1,734,601 | 17,342 | 1,000 | 183 | 396 | -54% ↓ | 11 | 23 | -54% ↓ |
| Copperbelt | 2,669,635 | 27,856 | 1,043 | 309 | 583 | -47% ↓ | 12 | 22 | -47% ↓ |
| Eastern | 2,065,590 | 20,078 | 972 | 282 | 496 | -43% ↓ | 14 | 24 | -43% ↓ |
| Luapula | 1,276,608 | 9,618 | 753 | 214 | 316 | -32% ↓ | 17 | 25 | -32% ↓ |
| Lusaka | 3,360,183 | 63,728 | 1,897 | 141 | 348 | -59% ↓ | 4 | 10 | -59% ↓ |
| Muchinga | 1,095,535 | 8,766 | 800 | 200 | 317 | -37% ↓ | 18 | 29 | -37% ↓ |
| Northern | 1,520,004 | 9,768 | 643 | 241 | 365 | -34% ↓ | 16 | 24 | -34% ↓ |
| N/western | 950,789 | 13,403 | 1,410 | 299 | 453 | -34% ↓ | 31 | 48 | -34% ↓ |
| Southern | 2,135,794 | 20,058 | 939 | 172 | 316 | -46% ↓ | 8 | 15 | -46% ↓ |
| Western | 1,076,683 | 11,644 | 1,081 | 171 | 166 | 3% ↑ | 16 | 15 | 3% ↑ |
| NATIONAL | 17,885,422 | 202,261 | 1,131 | 2,212 | 3,756 | -41% ↓ | 12 | 21 | -41% ↓ |

Table 2: Changes in indicators over the last two weeks

| Indicator | Cumulative | 7 days comparison | | Change | |
|-------------------|------------|-------------------|------------------|------------|----------|
| | | Last 7 days | Preceding 7 days | Difference | % Change |
| Tests | 2,178,182 | 36,558 | 46,018 | -9,460 ↓ | -21% ↓ |
| Test positivity | 9.29% | 6% | 8% | -2% ↓ | -25% ↓ |
| Tests/100,000 pop | 12,179 | 204 | 257 | -53 ↓ | -21% ↓ |
| Cases | 202,261 | 2,212 | 3,756 | -1,544 ↓ | -41% ↓ |
| New Admissions | - | 201 | 303 | -102 ↓ | -34% ↓ |
| Deaths | 3,529 | 45 | 78 | -33 ↓ | -42% ↓ |
| CFR | 1.74% | | | | |

Table 3: COVID-19 Resurgence thresholds by province as of 15th August, 2021

| Province | Number of new cases over 14-days based on the 7-day moving average | | Resurgence Threshold |
|-----------------|--|---|----------------------|
| | 19 th July – 1 st August | 2 nd – 15 th August | |
| Central | 953 | 587 | -38% |
| Copperbelt | 1,399 | 1,089 | -22% |
| Eastern | 1,423 | 878 | -38% |
| Luapula | 1,060 | 602 | -43% |
| Lusaka | 2,221 | 613 | -72% |
| Muchinga | 1,001 | 635 | -37% |
| Northern | 1,493 | 730 | -51% |
| N/western | 1,183 | 1,046 | -12% |
| Southern | 996 | 599 | -40% |
| Western | 873 | 407 | -53% |
| NATIONAL | 12,602 | 7,186 | -43% |

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 **3,468,060 cases, 95,816 deaths and 3,092,611 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, ZNPPI
- The **Incident Management System (IMS)** continues to meet at ZNPPI (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 16th 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 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.

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 | 2 | 0 | 65 | 1 | 210 | 4 | 4 | 0 |
| COPPERBELT | 23 | 2 | 96 | 6 | 456 | 58 | 46 | 21 |
| EASTERN | 48 | 0 | 68 | 5 | 417 | 27 | 19 | 4 |
| LUAPULA | 33 | 0 | 50 | 0 | 291 | 17 | 12 | 2 |
| LUSAKA | 11 | 2 | 30 | 7 | 169 | 52 | 36 | 15 |
| MUCHINGA | 25 | 0 | 28 | 2 | 273 | 12 | 4 | 3 |
| NORTHERN | 14 | 0 | 58 | 0 | 292 | 9 | 7 | 2 |
| N/WESTERN | 9 | 2 | 57 | 6 | 383 | 23 | 13 | 8 |
| SOUTHERN | 12 | 2 | 31 | 2 | 147 | 11 | 9 | 2 |
| WESTERN | 6 | 0 | 24 | 0 | 217 | 5 | 4 | 0 |
| TOTAL | 183 Cases | 8 Deaths | 507 Discharges | 29 New admissions | 2,855 Active | 218 Admitted | 154 (71%) On O₂ | 57 (26%) Critical |

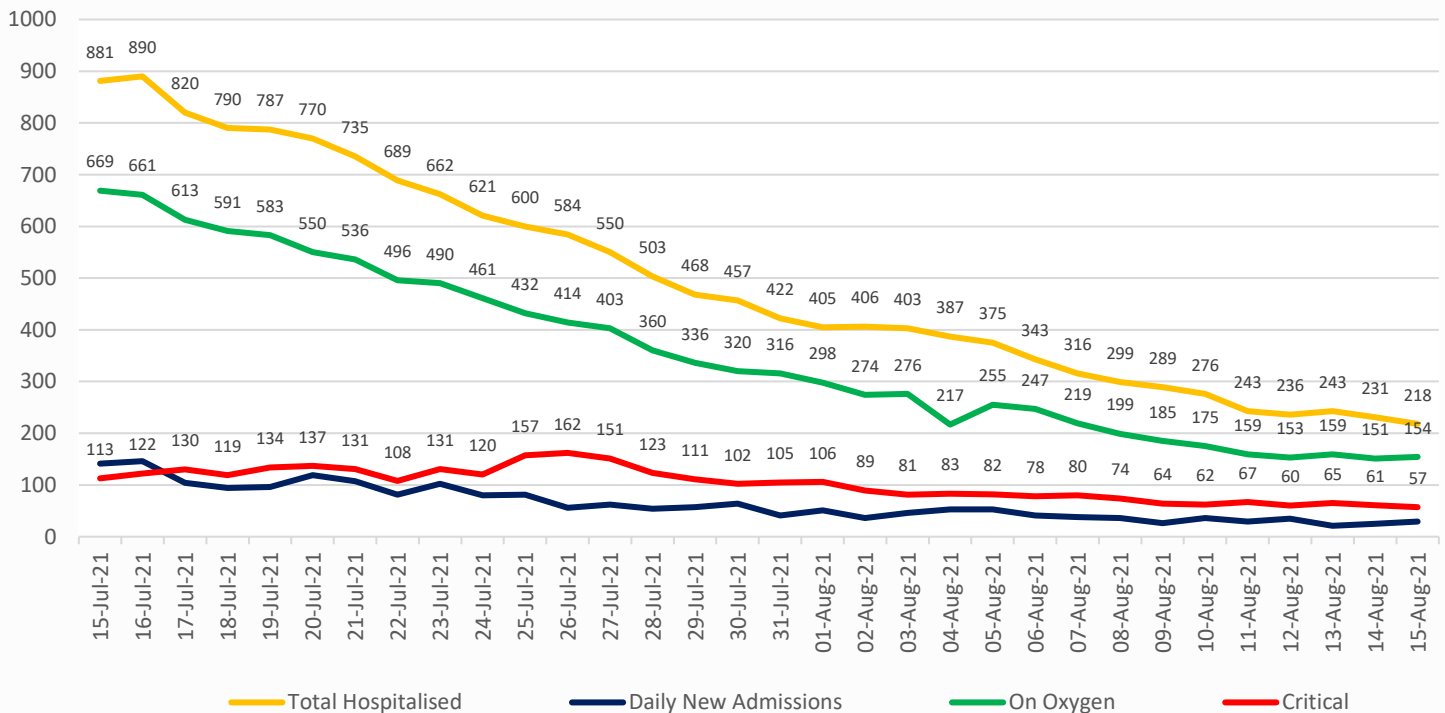


Figure 4: Case management trends over the past month, showing overall admissions, against daily new admissions, patients on Oxygen therapy and those in critical condition

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 (2nd – 8th Aug): 46,018 tests** were conducted in the previous week (**8%** tested positive for SARS-CoV-2) compared to **42,595 tests** the week before last (**10%** positivity).
- **Current week analysis (9th – 15th Aug):** In the last 24 hrs, 4,071 tests were conducted (4% positivity); the cumulative number of tests conducted this week was **36,558 (6% positivity)**.
- The testing coverage is **121,785 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 | 3,499 | 202 | 11% | 2,504 | 144 | 7% ↓ |
| Copperbelt | 7,369 | 276 | 8% | 5,255 | 197 | 6% ↓ |
| Eastern | 4,766 | 231 | 10% | 3,833 | 186 | 7% ↓ |
| Luapula | 1,916 | 150 | 16% | 2,481 | 194 | 9% ↓ |
| Lusaka | 13,835 | 412 | 3% | 10,060 | 299 | 1% ↓ |
| Muchinga | 2,392 | 218 | 13% | 2,001 | 183 | 10% ↓ |
| Northern | 2,958 | 195 | 12% | 1,784 | 117 | 14% ↑ |
| N/western | 2,807 | 295 | 16% | 1,522 | 160 | 20% ↑ |
| Southern | 4,711 | 221 | 7% | 5,046 | 236 | 3% ↓ |
| Western | 1,765 | 164 | 9% | 2,072 | 192 | 8% ↓ |
| NATIONAL | 46,018 | 257 | 8% | 36,558 | 204 | 6% ↓ |

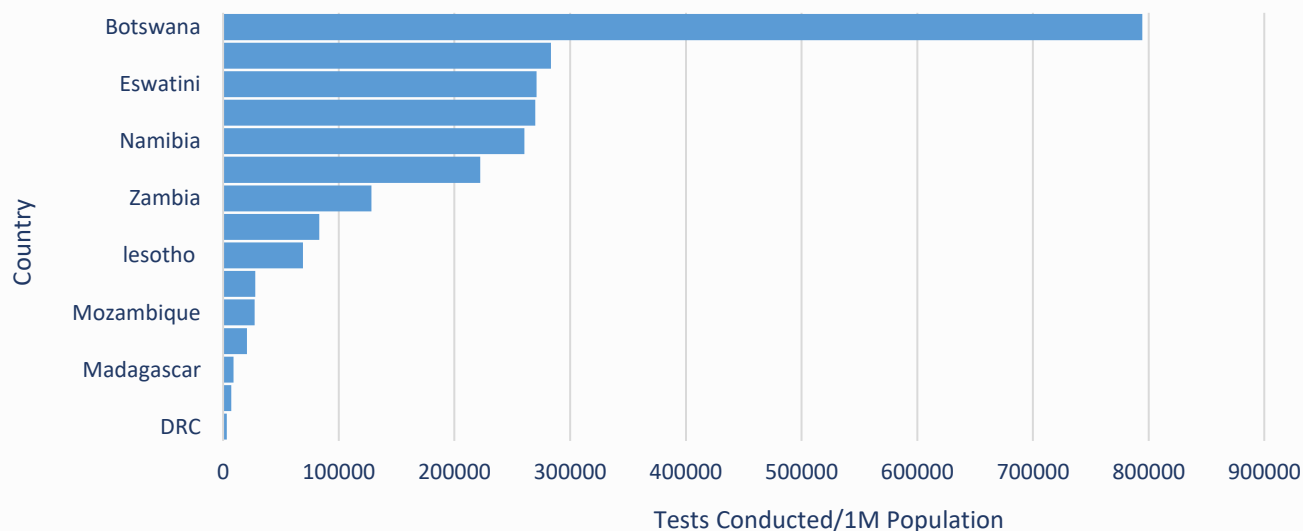


Figure 5: Comparison of number of tests conducted/million population across SADC countries

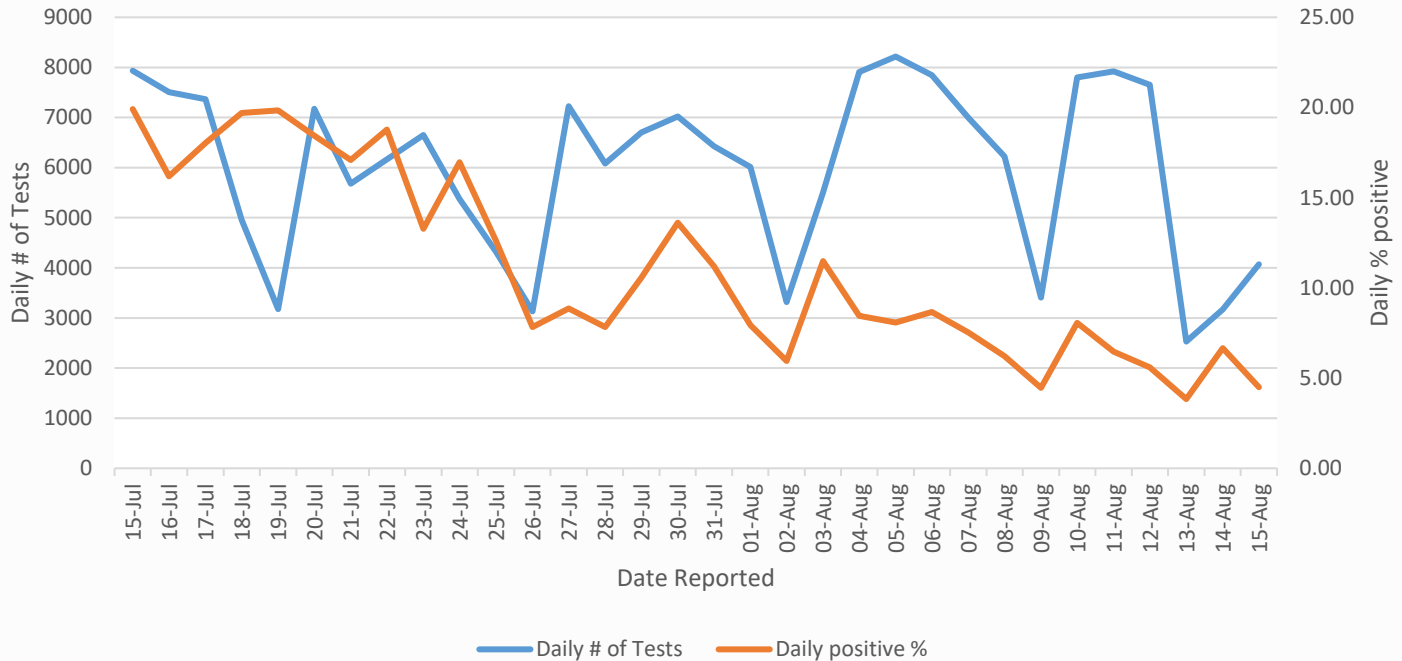


Figure 5: Daily number of tests vs % of positive results recorded (past month)

3.4 COVID-19 VACCINATION PROGRAMME AND LABORATORY

- The vaccination programme was officially launched on **Wednesday 14th April, 2021** by the Hon. Minister of Health, 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, 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 5th July, 2021). A further 151,200 doses of the Johnson and Johnson vaccine arrived in the country today, 21st July, 2021. Administration of the J&J commenced in Lusaka today 23rd July, 2021. On Saturday 7th August, 2021, 100,000 doses of Sinopharm were received.
- In the last 24 hours, we administered: **136 Dose 1 and 261 Dose 2 AstraZeneca vaccinations, as well as 1,470 doses of J&J.**
 - Cumulatively to date, **300,826 Dose 1 and 105,812 Dose 2 (35% of dose 1) AstraZeneca as well as 102,277 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 977,600 vaccine doses received to date, 522,150 (57%) have been administered, with a conservative 4% wastage rate notwithstanding.

3.4 RISK COMMUNICATION, COMMUNITY ENGAGEMENT AND IPC ENFORCEMENT

- Monitoring and enforcement of compliance to public health measures in public premises remains in place; on a daily basis, over 2,000 premises are inspected with compliance rates across the provinces averaging around 87%, while notices of improvements and closures stand at approximately 13% and 1% respectively.
 - Low coverages in the past week have been as a result of temporary suspension of night patrols in some provinces as the security detail to accompany the teams was reassigned.
- Other activities being conducted include:
 - Health education through various sector community gate keeper (traditional, religious, market and transport association and civil society leaders)
 - Media engagement (TV, Radio, Print and social media platforms)
 - Advocacy for vaccination health workers and the general public
 - Call centre two-way communication with communities
 - Managing miscommunication and myth busting
 - Supporting public health safety pre, during and post-election