

ZAMBIA SITUATION REPORT NO. 105

Disease Outbreak: COVID-19

Response start date: 30th January, 2020

Outbreak Declared: 18th March, 2020

Report date: Saturday 9th January 2021

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1. SITUATION UPDATE

↑ **Cases this week (4th - 10th Jan): 4,985 (↑)**

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

➤ In the past 24hrs:

- There were **1,241 new confirmed cases, 23 deaths and 163 recoveries**.
- Cumulative number of confirmed COVID-19 cases recorded to date is **26,567 with 464 deaths (CFR=1.75%) and 20,512 recoveries (77.21% recovered)**.
- Of the 464 total deaths among the confirmed cases, **159** have been classified as **COVID-19 deaths (CFR=0.60%)** and **291** as associated deaths; **14 BIDs are pending classification**. See Annex 1 for definitions
- There are currently **5,591 active cases**: of these, 191 are hospitalised (with 108 on Oxygen therapy and 9 in critical condition); 5,400 are under community management.

Global Numbers

(Source: JHU)

👤 **89,523,280 Confirmed**

👤 **1,924,086 Deaths**

👤 **49,671,512 Recoveries**

Africa Numbers

(Source: Africa CDC)

👤 **2,986,564 Confirmed**

👤 **71,463 Deaths**

👤 **2,433,002 Recoveries**

2. EPIDEMIOLOGICAL HIGHLIGHTS (By Epi-week)

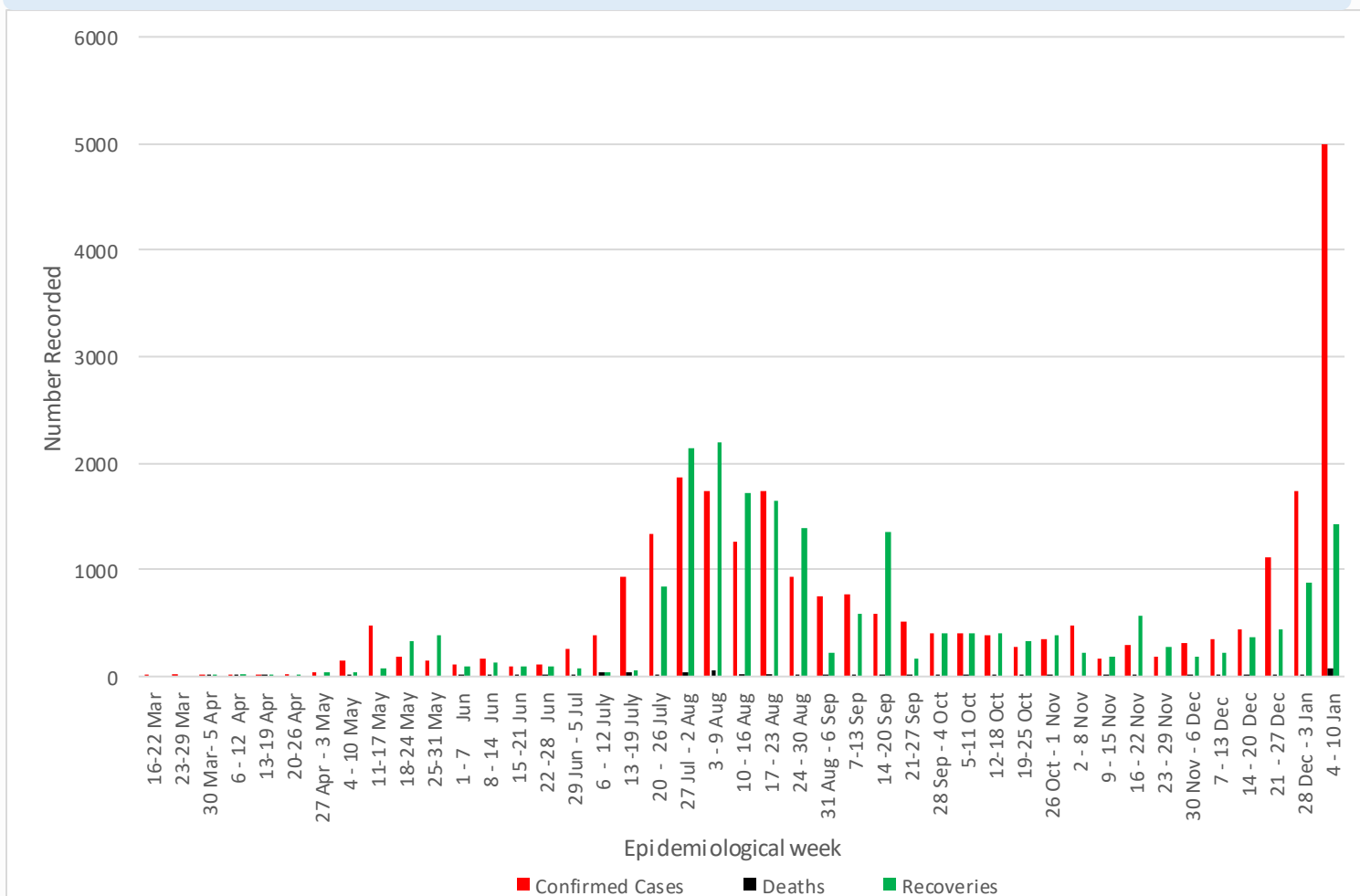


Figure 1: Weekly COVID-19 confirmed cases (N=26,567), deaths (N=464) and recoveries (N=20,512) as of 9th January 2021



Zambia COVID-19 Statistics
9th January, 2021

Cumulative tests: 686,515 (12,383 New)
Total confirmed cases: 26,567 (1,241 New)
Total recoveries: 20,512 (163 New)
Total deaths: 464 (23 New)
[159 COVID-19 Deaths; 291 COVID-19 Associated;
14 Pending Classification]
Active cases: 5,591 [191 Hospitalised]

* New - in the last 24hrs

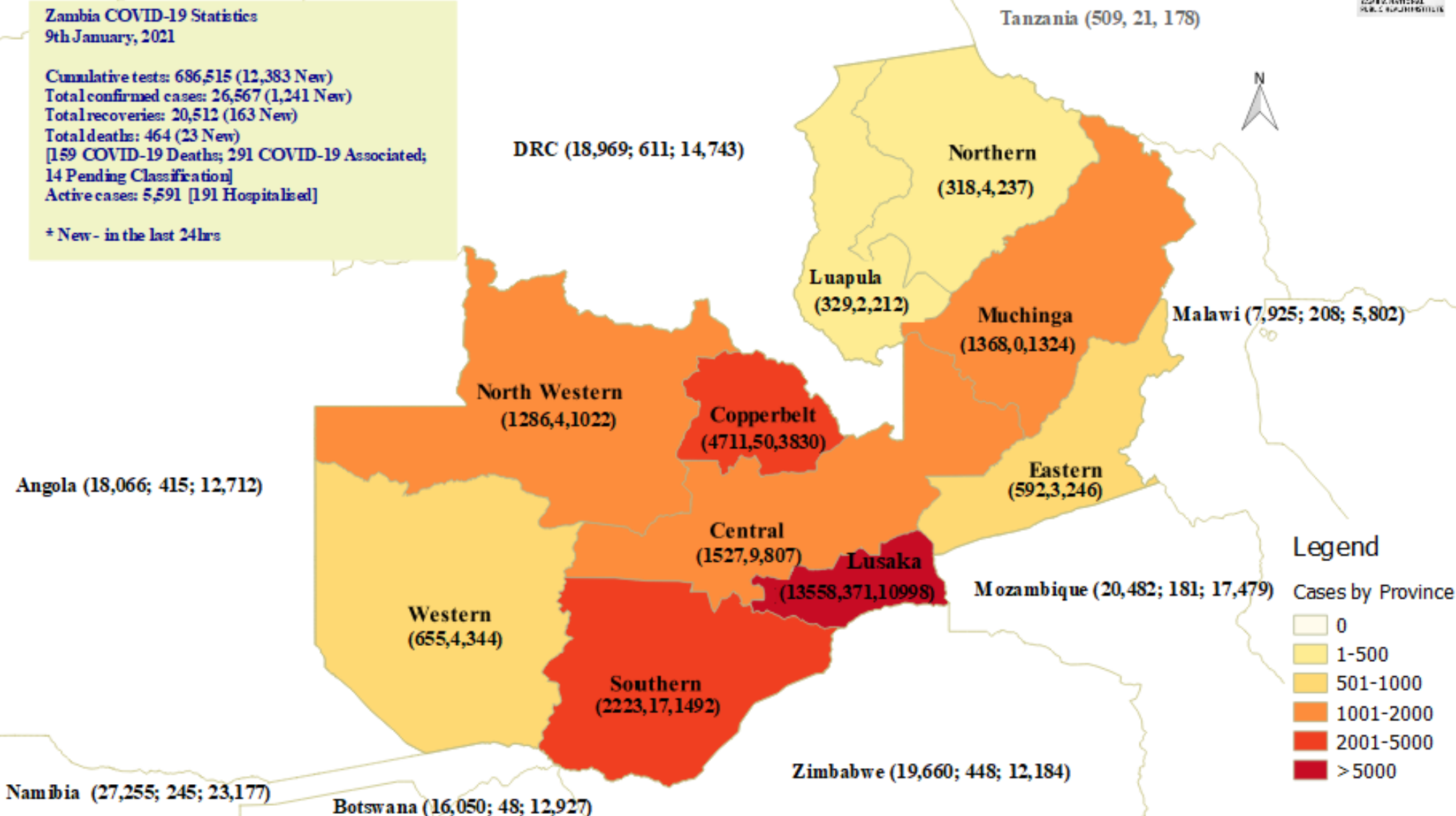


Figure 2: Map showing confirmed COVID-19 cases, deaths and recoveries (in brackets) by province and in neighbouring countries, as of 9th January 2021

ZAMBIA STATISTICS - 09/01/21

26,567 Cumulative cases

of affected districts: 105 (*1 new district)

Confirmed Cases by District

Lusaka 12860	Sinazongwe 59	Sanfya 11
Ndola 2171	Nchelenge 55	Mufumbwe 11
Kitwe 1100	Masaiti 49	Chifunabuli 10
Livingstone 1048	Mikushi 47	Lupososhi 10
Kabwe 1017	Serenje 46	Pemba 10
Nakonde 989	Mwinilunga 42	Mushindano 9
Solwezi 839	Kapiri Mposhi 41	Limutunga 9
Mongu 402	Nyimba 40	Lunte 7
Chingola 383	Zambezi 37	Ikalenga 6
Chitilabombwe 361	Luwingu 32	Chipangali 5
Choma 357	Siavonga 32	Mporokoso 5
Chipata 324	Senga Hill 31	Kasene ngwa 4
Mufulira 273	Sesheke 31	Milenga 4
Chirundu 255	Petauke 30	Nsama 4
Kalumbila 241	Senanga 30	Chembe 3
Mansa 199	Namwala 28	Mafinga 3
Mpika 199	Luano 26	Manyinga 3
Kafue 190	Mambwe 26	Luampa 3*
Mazabuka 166	Kawambwa 26	Chasefu 2
Chinsali 163	Lukulu 26	Mbereshi 2
Kasama 152	Rufunsa 25	Mwense 2
Chikankata 135	Mitete 25	Chiengi 2
Kalutushi 130	Lundazi 23	Kanchibiya 2
Chibombo 129	Luangwa 22	Lumezi 1
Kazungula 123	Mungwi 21	Lusangazi 1
Chilanga 118	Mbala 21	Vubwi 1
Luanshya 117	Chitubi 19	Kaputa 1
Mumbwa 116	Kalabo 18	Mwandi 1
Katete 108	Chavuma 16	Sikongo 1
Morze 102	Chadiza 15	
Kaoma 95	Mwansabombwe 15	
Chisamba 93	Mputungu 15	
Chongwe 88	Kabompo 15	
Kalomo 86	Gwembe 14	
Lufwanyama 67	Nkayema 14	
Kasempa 67	Itzhi-tezhi 12	
Zimba 63	Sinda 12	
Mpongwe 60	Isoka 12	

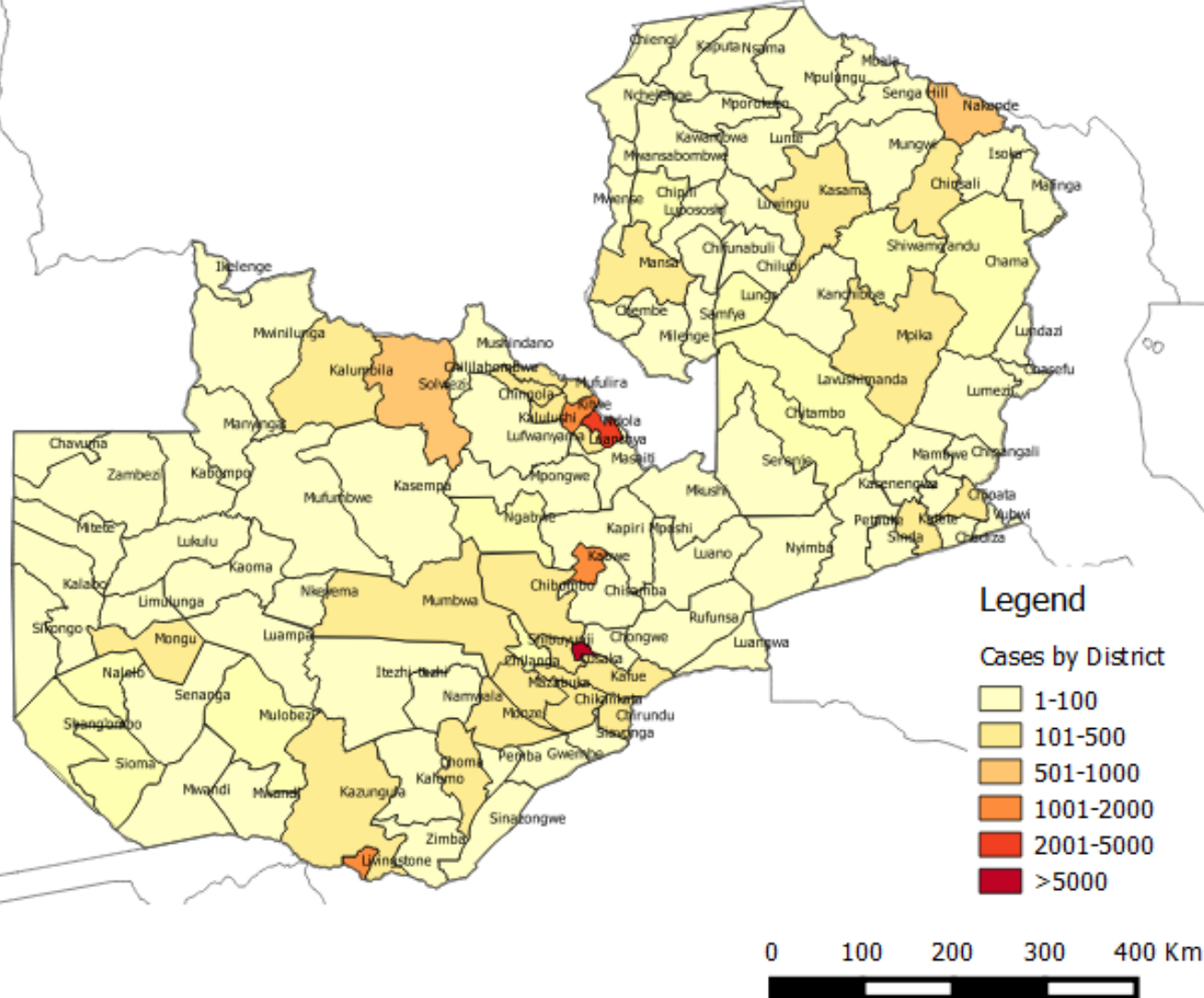


Figure 3: Map showing distribution of confirmed COVID-19 cases by district, as of 9th January 2021

- **Age distribution:** Below is a graph showing the age distribution of confirmed cases by month, between March and December 2020

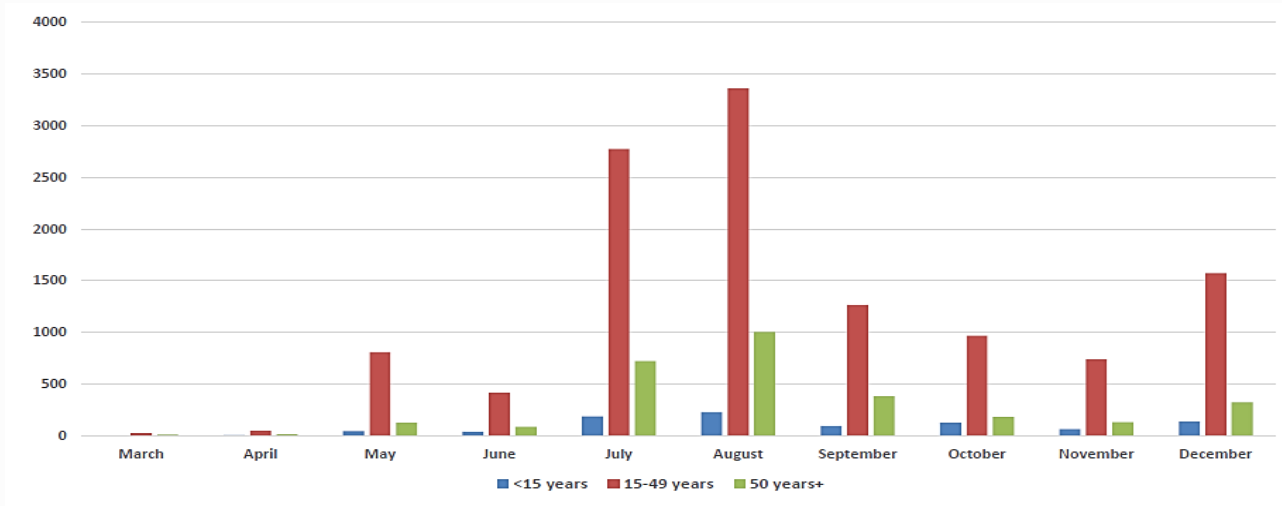


Figure 4: Age distribution of confirmed cases (March – December, 2020)

3. ACTIONS TO DATE

3.1 CO-ORDINATION

- **Regional/Continental level:**

- Zambia hosts the Southern Africa Regional Collaborating Centre of the Africa CDC and has been coordinating the response at regional level. To date, **Southern Africa has recorded 1,343,479 confirmed cases of COVID-19 including 34,789 deaths and 1,061,607 recoveries.** Zambia continues to participate in AU meetings to ensure continued regional and continental trade and strategies to stop transmission of COVID-19.

- **National Level:**

- The government continues to enforce the 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** issued in March 2020.
- A **COVID-19 contingency plan** outlining the country's COVID-19 preparedness and response activities was finalised and continues to be regularly updated as the outbreak evolves.

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. There has since been an increase in local person-person transmission with increasing geographic spread. Cases have been reported in all ten provinces, with Western province being the last to record cases of COVID-19.

- An eight pronged strategy has been implemented in response to the 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; and Routine essential health services**
- The public health safety measures that have been implemented in response to the outbreak include closure of schools and higher learning institutions; mandatory wearing of a mask while out in public; continued screening of travellers into Zambia; redirection of all international flights to land and depart from KKIA only; suspension of non-essential travel to countries with confirmed COVID-19 cases; restriction of public gatherings; restaurants to operate only on take away and delivery basis; and closure of all bars, nightclubs, cinemas, gyms and casinos. Travellers into Zambia must be isolated at designated government facilities, or alternatively at designated lodges and hotels at own cost, while awaiting test results. However, a number of measures have been eased over time. The details are provided below
- **Easing of public health and safety measures:** the following measures have been eased to date
 - **24th April, 2020:** Resumed congregation at places of worship, non-contact sports, and operation of saloons and barbershops subject to adherence to public health regulation, guidelines and certification
 - **8th May, 2020:** Restaurants, cinemas, gyms, and casinos reopened; hotels, lodges event management, tour operators and other business proprietors that closed voluntarily advised to consider reopening
 - **1st June 2020:** Primary and secondary schools reopened for examination classes only.
 - **8th June 2020:** Commenced phased reopening of colleges and universities for final year students only
 - **25th June 2020:** All international airports reopened
 - **11th September 2020:** Reopening of all non-examination classes in universities, colleges and schools announced during the Presidential state of the nation address. Schools were scheduled to reopen between the 14th and 28th September 2020 subject to adherence to public health certification, guidelines, regulations and measures. The **partial reopening of bars, taverns and nightclubs** with immediate effect was also announced; the establishments will be allowed to operate subject to adherence to public health certification, guidelines, regulations and measures, and will **only operate between the hours of 6pm to 11pm from Fridays to Sundays.**
- **Technical level:** The ZNPHI continues to provide leadership and partner collaboration on the response through the Public Health Emergency Operation Centre (PHEOC).
 - Technical co-ordinating meetings are being held with cooperating partners and other stakeholders. The meetings are chaired by the Director, ZNPHI
 - The Incident Management System (IMS) continues to meet at ZNPHI (with a Zoom link provided to ensure social distancing) on Tuesdays and Thursdays. The IMS structure is available at **Annex 2**

3.3 SURVEILLANCE

➤ Newly reported COVID-19 cases

Table 1: Breakdown of confirmed COVID-19 cases reported on 9th January 2021

DATE	REPORTS	NUMBERS BY LOCATION
9 th January, 2021	Cases	375 Lusaka, 79 Ndola, 72 Mongu, 63 Kitwe, 58 Chibombo, 57 Livingstone, 53 Kafue, 51 Kabwe, 46 Chipata, 43 Choma, 42 Kaoma, 29 Katete, 29 Zambezi, 23 Chongwe, 18 Solwezi, 14 Serenje, 13 Mpika, 12 Kalomo, 11 Kasempa, 10 Kalulushi, 10 Kalumbila, 10 Sinazongwe, 9 Gwembe, 8 Kasama, 8 Luangwa, 8 Mambwe, 8 Sia vonga, 7 Chilanga, 7 Chingola, 7 Chisamba, 7 Petauke, 6 Nyimba, 5 Kalabo, 5 Mufumbwe, 4 Luanshya, 4 Rufunsa, 4 Zimba, 3 Chilubi, 3 Luampa, 3 Luwingu, 3 Sinda, 2 Isoka, 2 Mbala, 2 Sesheke, 1 Chavuma, 1 Ikelenge, 1 Kanchibiya, 1 Kapiri-Mposhi, 1 Kazungula, 1 Mazabuka, 1 Nakonde, 1 Pemba
	Deaths	19 Lusaka (14 BID, 5 facility), 4 Livingstone (facility)
	Recoveries	96 Lusaka, 25 Southern, 16 Central, 13 North-western, 8 Eastern, 4 Northern, 1 Western
TOTAL		1,241 New confirmed cases; 23 deaths; 163 recoveries

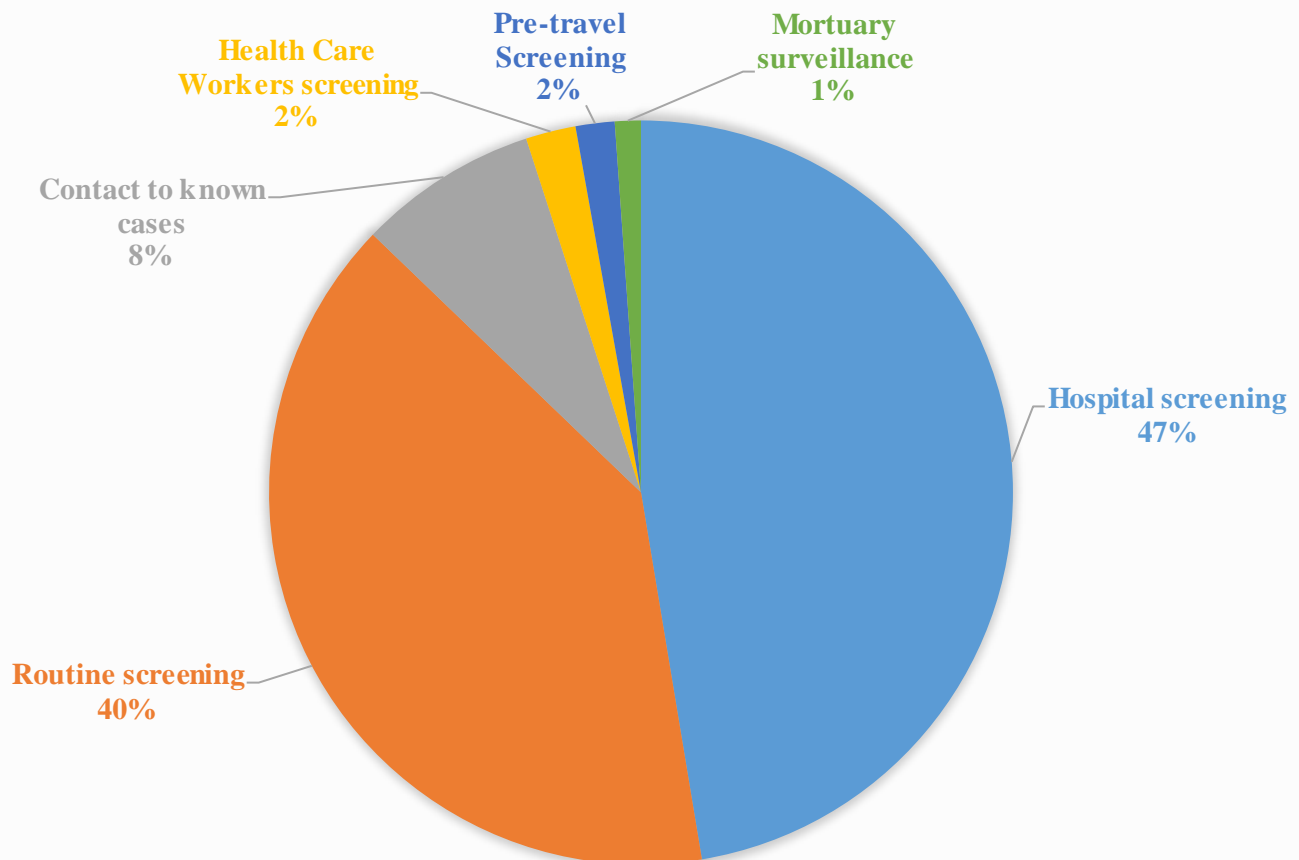


Figure 5: Categorisation of confirmed cases reported 9th January 2021

3.4 LABORATORY AND SAMPLE MANAGEMENT

- The currently **designated laboratories** for COVID-19 diagnostics are listed below (Table 2). A sample referral system is in place for samples being collected in other provinces.
- Zambia is utilising real-time Reverse Transcriptase Polymerase Chain Reaction (RT-PCR), Gene Xpert, Hologic Panther, RDT, and Roche Cobas 6800 testing platforms for COVID-19 diagnosis. Testing facilities are available in all 10 provinces.

Table 2: National Laboratory Diagnostic Capacity for COVID-19 by province

PROVINCE	INSTITUTION	TESTING PLATFORM(S)
Central	Kabwe General Hospital	Gene Xpert
	TDRC, Ndola	RT-PCR
Copperbelt	Arthur Davison Children's Hospital	Cobas 6800
Eastern	Chipata General Hospital	Gene Xpert
Luapula	Mansa General Hospital	Gene Xpert
	ZNS Luamfumu	Gene Xpert
Lusaka	UTH, Levy (Virology, ACOE, PCOE), Lusaka	RT-PCR; Gene Xpert; Cobas 6800; Panther
	UNZA – SVM, Lusaka	RT-PCR
	CIDRZ, Lusaka	RT-PCR
	CHAZ, Lusaka	RT PCR
	Lancet	RT PCR
	Mtendere Mission Hospital, Chirundu	Gene Xpert
	MedLand Hospital, Lusaka	RT PCR
	Victoria Hospital	RT PCR
	Zambia Air Force Hospital, Lusaka	Gene Xpert
	ZNPHRL, Lusaka	RT PCR
Muchinga	Chinsali General Hospital	Gene Xpert & PCR
Northern	Kasama General Hospital	Gene Xpert
	Solwezi General Hospital, Solwezi	Panther
North-western	Kansanshi Mine Hospital (Mary Begg), Solwezi	Gene Xpert
	Macha Research Trust	RT-PCR
Southern	Livingstone Teaching Hospital	Gene Xpert
Western	Lewanika General Hospital	Gene Xpert

- In the past week (28th December to 3rd January), **60,242 tests** were conducted (compared to **38,928** tests the previous week), out of which **2.90%** tested positive for SARS-CoV-2 (compared to 2.87% the previous week).
- During this week (4th January to date): **62,469 tests** have been conducted, out of which **7.98%** have tested positive for SARS-CoV-2.
- In the last 24hrs, **12,383 tests** were conducted, out of which **1,241** samples tested positive for SARS-CoV-2 (10.02% positive).
- To date, a total of **686,515 tests** have been conducted, with a cumulative **26,567 confirmed positive (3.87% positivity rate)** for SARS-CoV-2. The testing coverage is **40,383 per 1,000,000 population**

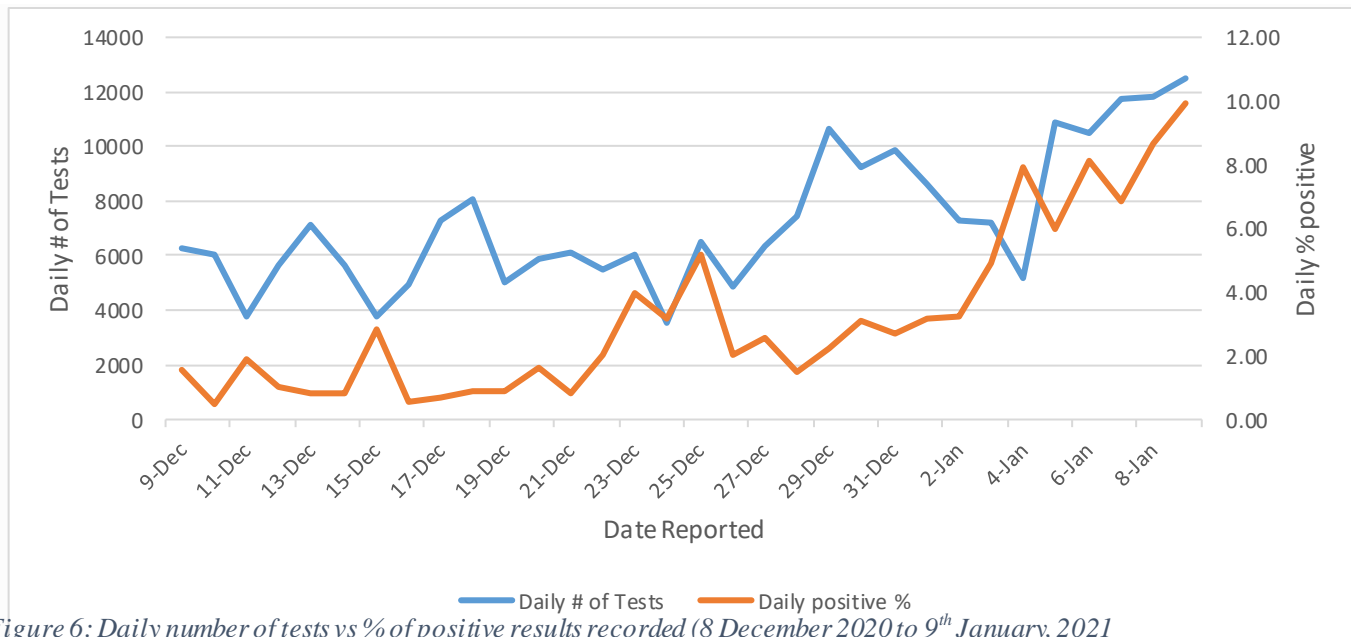


Figure 6: Daily number of tests vs % of positive results recorded (8 December 2020 to 9th January, 2021)

3.5 CASE MANAGEMENT

- There are currently 191 COVID-19 patients hospitalised in facilities around the country; of these, 108 are on Oxygen therapy and 9 are in critical condition
- Seven facility deaths were recorded in the last 24hrs

Table 3: National distribution of hospitalised COVID-19 patients by province – 9th January 2021

PROVINCE	FACILITY	TOTAL # OF PATIENTS	# OF PATIENTS ON OXYGEN	# OF CRITICAL PATIENTS	DEATHS
Central	Kabwe General Hospital	8	3	0	0
Copperbelt	Ndola Teaching Hospital	2	2	0	0
	Kitwe Teaching Hospital	4	1	0	0
Eastern	Chipata General Hospital	6	4	1	0
Luapula	Mansa General Hospital	3	2	0	0
	Milenge	2	0	0	0
Lusaka	Levy Mwanawasa	86	59	8	4
	UTH	37	22	0	1
Muchinga	Chinsali General Hospital	0	0	0	0
Northern	Mbala	9	1	0	0
North-western	Kalumbila	8	1	0	0
Southern	Livingstone Hospital	15	7	0	4
	Choma	3	0	0	0
	Chikankata	2	1	0	0
	Monze	1	1	0	0
Western	Mongu	4	3	0	0
	Kaoma	1	1	0	0
TOTAL		191	108	9	9

- Below is the community management model and admission/discharge criteria for persons who test positive for COVID-19:

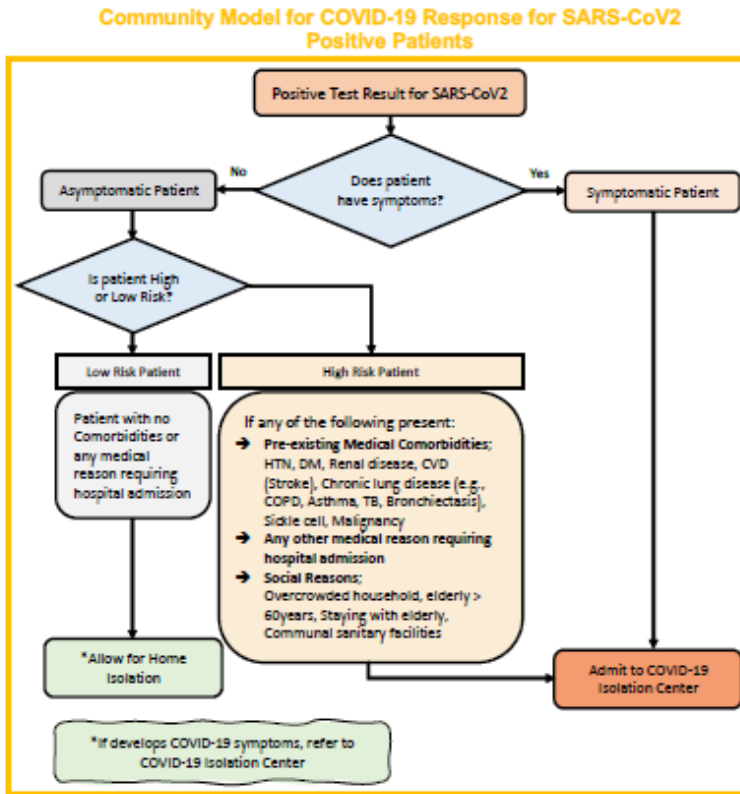


Figure 7: Community management model for COVID-19 patients

S E T T I N G	Hospital/Facility Care	Patients with Medical Conditions requiring continued Care beyond COVID-19 Recovery	Home Care
A D M I S S I O N	<ul style="list-style-type: none"> → Any symptoms for COVID-19 → Asymptomatic High-Risk patients → Presence of other Medical conditions → Where Home Isolation is not feasible 	<ul style="list-style-type: none"> → As medically indicated 	<ul style="list-style-type: none"> → Asymptomatic → No comorbidity → If home Isolation feasible
D I S C H A R G E / D E I S O L A T I O N	<ul style="list-style-type: none"> → Asymptomatic for at least 3 days plus 1 negative PCR at day 7 or beyond AND → 14 days since first Positive PCR 	<ul style="list-style-type: none"> → Two negative PCR Tests at least 24 hours apart 	<ul style="list-style-type: none"> → 1 negative PCR at day 7 or beyond AND → 14 days since first Positive PCR

Figure 8: Admission and Discharge criteria for COVID-19 patients

ANNEX 1: CORONAVIRUS DISEASE 2019 (COVID-19) CASE DEFINITIONS

1. Suspect case:

A. Patient with acute respiratory infection (fever and at least one sign/symptom of respiratory disease e.g. cough, shortness of breath), AND with no other aetiology that fully explains the clinical presentation AND a history of travel to or residence in a country/area or territory reporting local transmission of COVID-19 during the 14 days prior to symptom onset,

OR

B. Patient with any acute respiratory illness AND having been in contact with a confirmed or probable COVID-19 case in the last 14 days prior to symptom onset,

OR

C. Patient with severe acute respiratory infection (fever and at least one sign/symptom of respiratory disease e.g. cough, shortness of breath), AND requiring hospitalization AND with no other aetiology that fully explains the clinical presentation

2. Probable case: A suspect case for whom testing for COVID-19 is inconclusive or is tested positive using a pan-coronavirus assay and without laboratory evidence of other respiratory pathogens.

3. Confirmed case: A person with laboratory confirmation of COVID-19 infection, irrespective of clinical signs and symptoms.

4. COVID-19 Death: COVID-19 death is defined for surveillance purposes as a death resulting from a clinically compatible illness in a probable or confirmed COVID-19 case, unless there is a clear alternative cause of death that cannot be related to COVID disease (e.g. trauma). There should be no period of complete recovery between the illness and death.

5. COVID-19 Associated Death: a death of an individual in whom COVID-19 has been detected but it is not the primary cause of death

6. COVID-19 Unclassified Death: a death of an individual in whom COVID-19 has been detected but the cause of death is yet to be classified as either a COVID-19 death or associated death following expert review

7. Contact: a person who experienced any one of the following exposures during the 2 days before and the 14 days after the onset of symptoms of a probable or confirmed case: a. Face-to-face contact with a probable or confirmed case within 1 meter and for more than 15 minutes; b. Direct physical contact with a probable or confirmed case; c. Direct care for a patient with probable or confirmed COVID-19 disease without using proper personal protective equipment; OR d. Other situations as indicated by local risk assessments.

ANNEX 2: NATIONAL LEVEL INCIDENT MANAGEMENT SYSTEM FOR THE COVID-19 PREPAREDNESS RESPONSE

ZAMBIA COVID-19 INCIDENT MANAGEMENT STRUCTURE

