





ZAMBIA SITUATION REPORT NO. 106

Disease Outbreak: COVID-19 **Report date:** Sunday 10th January 2021 Response start date: 30th January, 2020Outbreak Declared: 18th March, 2020Prepared by: MOH/ZNPHI/WHOCorrespondence: ims.covid@znphi.co.zm

1. SITUATION UPDATE

Cases this week (4th - 10th Jan): 6,146 (1)

Global Numbers (Source: JHU)

89,892,099 Confirmed 1,930,505 Deaths

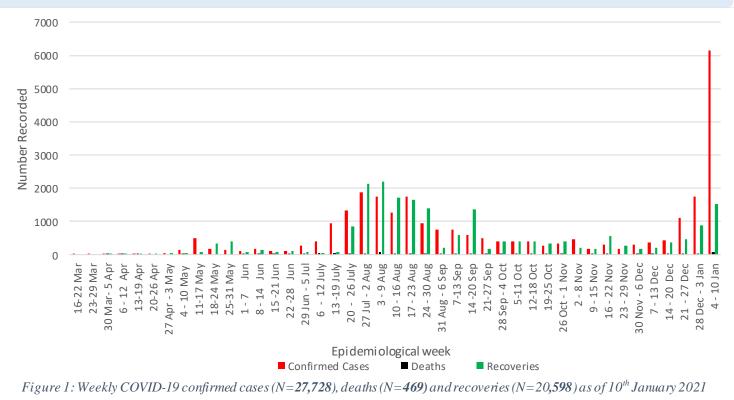
49.873.068 Recoveries

Africa Numbers

Source: Africa CDC) 3,022,512 Confirmed

72,134 Deaths 2,451,591 Recoveries

- **1.1 CURRENT CASE NUMBERS** (as of 09:00 hours CAT)
- In the past epidemiological week, there were 6,146 new confirmed cases, 75 deaths and 1,515 recoveries. This represents a 251.60% increase in the number of new cases recorded in the last 7 days, compared to the previous week (1,748 cases recorded).
 - In the past 24 hrs, there were **1,161 new confirmed cases, 5 deaths and 86** recoveries.
 - Cumulative number of confirmed COVID-19 cases recorded to date is 27,728 with 469 deaths (CFR=1.69%) and 20,598 recoveries (74.29% recovered).
 - Of the 469 total deaths among the confirmed cases, 164 have been classified as COVID-19 deaths (CFR=0.59%) and 291 as associated deaths; 14 BIDs are pending classification. See Annex 1 for definitions
 - There are currently **6,661 active cases:** of these, 191 are hospitalised (with 112 on Oxygen therapy and 9 in critical condition); 6,470 patients are under community management.



2. EPIDEMIOLOGICAL HIGHLIGHTS (By Epi-week)

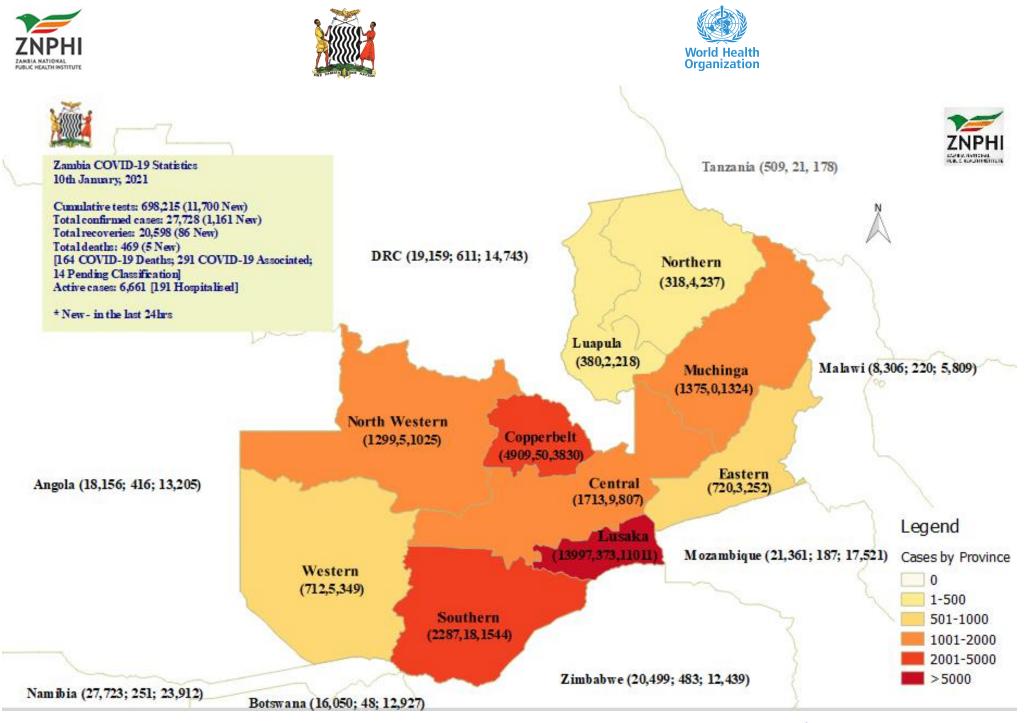


Figure 2: Map showing confirmed COVID-19 cases, deaths and recoveries (in brackets) by province and in neighbouring countries, as of 10^{h} January 2021







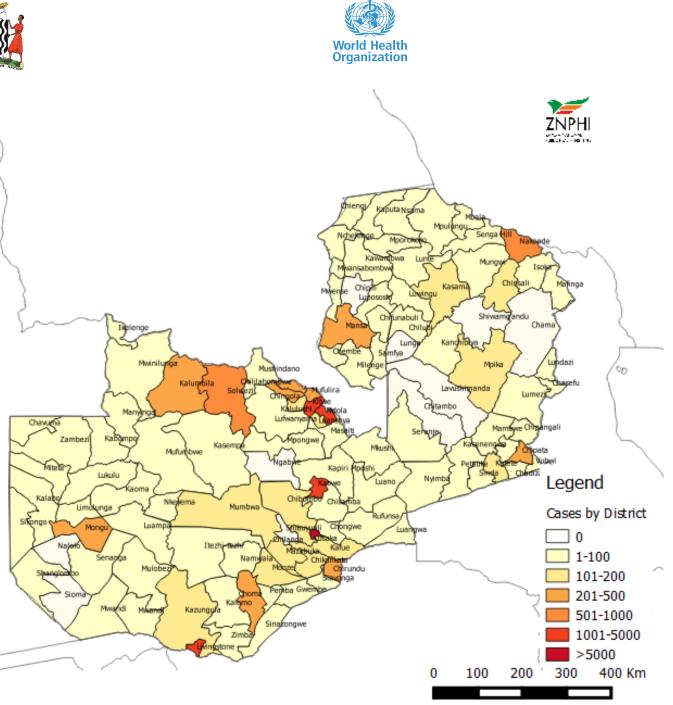


Figure 3: Map showing distribution of confirmed COVID-19 cases by district, as of 10th January 2021







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

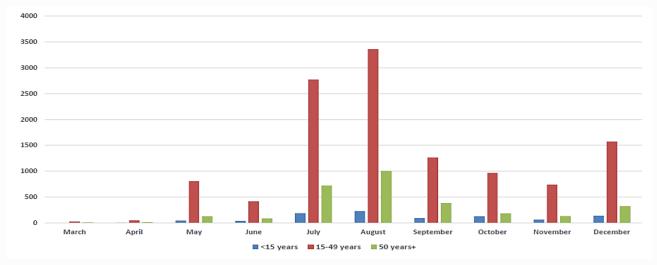


Figure 4: Age distribution of confirmed cases (March – December, 2020)

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 1,369,221 confirmed cases of COVID-19 including 35,268 deaths and 1,072,201 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 personperson 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 10th January 2021

DATE	REPORTS	NUMBERS BY LOCATION
10 th January, 2021	Cases	365 Lusaka, 143 Kabwe, 140 Ndola, 74 Rufunsa, 52 Chipata, 49 Kitwe, 40 Katete, 40 Livingstone, 20 Mulobezi, 18 Serenje, 17 Mansa, 16 Kapiri – Mposhi, 14 Mongu, 13 Samfya, 11 Petauke, 9 Chikankata, 9 Kasama, 9 Sinda, 8 Chembe, 8 Chibombo, 8 Chilubi, 8 Kalomo, 8 Mwense, 7 Chadiza, 7 Isoka, 7 Sesheke, 7 Solwezi, 5 Kawambwa, 5 Mufulira, 5 Zimba, 4 Kabompo, 4 Kalabo, 4 Nyimba, 4 Senanga, 3 Limulunga, 3 Mambwe, 2 Kalulushi, 2 Luampa, 2 Lundazi, 2 Mpongwe, 2 Mushindano, 2 Shangombo, 2 Sinazongwe, 1 Chisamba, 1 Mbala, 1 Mwandi
	Deaths	2 Lusaka (facility), 1 Livingstone (facility), 1 Mongu (facility), 1 Solwezi (facility)
	Recoveries	52 Southern, 13 Lusaka, 6 Eastern, 6 Luapula, 5 Western, 3 North-western, 1
		Northern
TOTAL	1,161 New confirmed cases; 5 deaths; 86 recoveries	

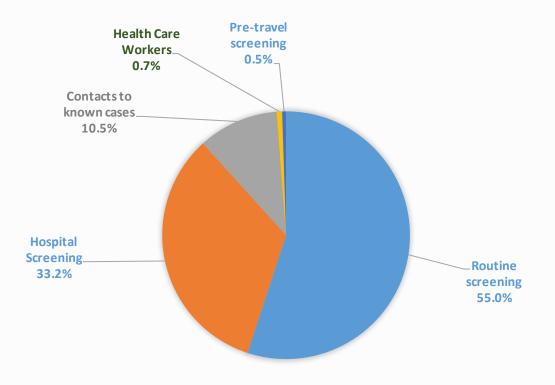


Figure 5: Categorisation of confirmed cases reported 10th January 2021







3.4 CASE MANAGEMENT

- There are currently 191 COVID-19 patients hospitalised in facilities around the country; of these, 112 are on Oxygen therapy and 9 are in critical condition
- Five facility deaths were recorded in the last 24hrs

Table 3: National distribution of hospitalised COVID-19 patients by province – 10th January 2021

PROVINCE	FACILITY	TOTAL # OF PATIENTS	#OF PATIENTS ON OXYGEN	# OF CRITICAL PATIENTS	DEATHS
Central	Kabwe General Hospital	5	3	0	0
Copperbelt	Ndola Teaching Hospital	2	2	0	0
	Kitwe Teaching Hospital	5	1	0	0
Eastern	Chipata General Hospital	9	5	1	0
Luapula	Mansa General Hospital	4	2	0	0
	Milenge	1	0	0	0
Lusaka	Levy Mwanawasa	82	62	8	2
	UTH	35	20	0	0
	Kafue	1	0	0	0
	Rufunsa	1	0	0	0
	Chirundu	4	0	0	0
	Chongwe	1	1	0	0
Muchinga	Chinsali General Hospital	0	0	0	0
Northern	Mbala	9	1	0	0
North-western	Kalumbila	7	1	0	0
	Solwezi	1	0	0	1
Southern	Livingstone Hospital	10	5	0	1
	Choma	5	5	0	0
	Chikankata	1	0	0	0
	Monze	1	1	0	0
Western	Mongu	6	2	0	1
	Kaoma	1	1	0	0
TOTAL		191	112	9	5







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

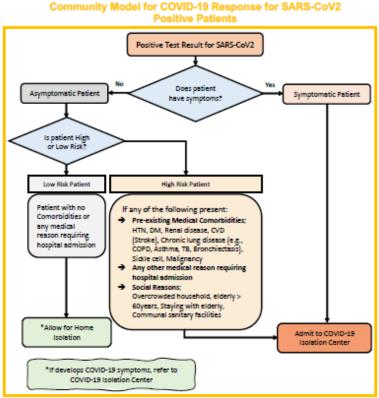


Figure 7: Community management model for COVID-19 patients

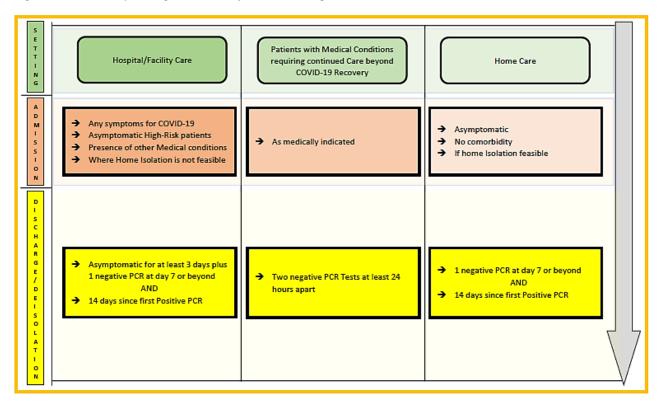


Figure 8: Admission and Discharge criteria for COVID-19 patients







3.5 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.

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	

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

- 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).
- In the week under review (4th January to 10th January): 74,169 tests have been conducted, out of which 8.29% have tested positive for SARS-CoV-2.
- In the last 24hrs, **11,700 tests** were conducted, out of which **1,161** samples tested positive for SARS-CoV-2 (9.92% positive).
- To date, a total of **698,215 tests** have been conducted, with a cumulative **27,728 confirmed positive (3.97% positivity rate**) for SARS-CoV-2. The testing coverage is **41,071 per 1,000,000 population**

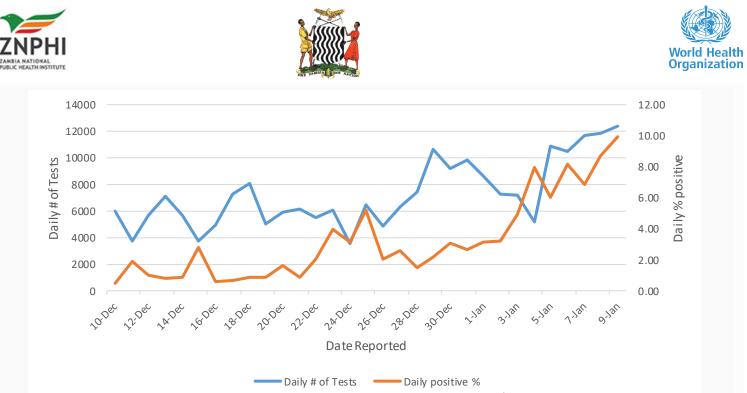


Figure 6: Daily number of tests vs % of positive results recorded (8 December 2020 to 10th January, 2021







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

<u>1. Suspect case</u>:

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 actiology 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, sh ortness of breath), AND requiring hospitalization AND with no other aetiology that fully explains the clinical presentation

<u>2. Probable case</u>: 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.

<u>3. Confirmed case:</u> 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

<u>6. COVID-19 Unclassified Death</u>: 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

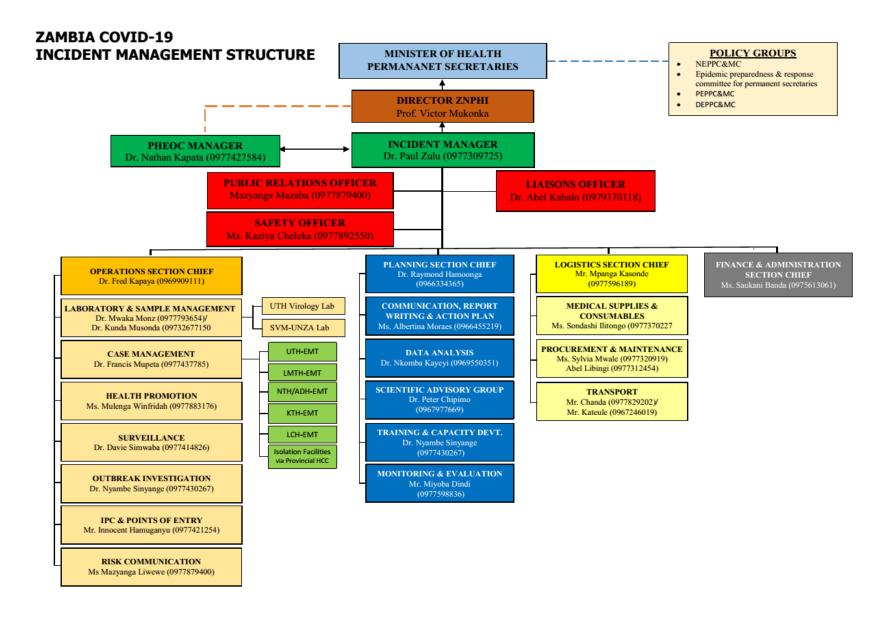
7. Contact: a person who experienced any one of the following exposures during the 2 days before and the 14 days after the onset of symptoms of a probable or confirmed case: a. Face-to-face contact with a probable or confirmed case within 1 meter and for more than 15 minutes; b. Direct physical contact 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









ANNEX 3: LIST OF DESIGNATED ISOLATION FACILITIES FOR THE COVID-19 OUTBREAK RESPONSE

PROVINCE	DISTRICT	ISOLATION FACILITY	
Eastern	Chipata	Walera HP and Chipata District Hospital	
	Chadiza	Sadzu RHC and Chilenga HP	
	Lundazi	Lundazi New Hospital Male Ward	
	Mambwe	Agriculture Field Training Centre and ADRA shade in Nsefu	
	Petauke	Zuze Health Post	
	Katete	Katete Livestock Market	
	Nyimba	Chininkhu Health Post	
	Sinda	Ukasimbe Health Post and Chinzule HP	
	Vubwi	Chigwe Health Post	
	Kasenengwa	Kanzutu Health Post	
	Lumezi	Lumezi Hospital, Mwasemphangwe Zonal and Mwanya RHC	
	Chasefu	Kanyanga Mission Hospital	
	Chipangali	Mkanda RHC and Chinunda RHC	
	Lusangazi	Ukwimi Trades	
Southern	Livingstone	Mosi Oa Tunya Health centre	
	Zimba	Zimba Basic school	
	Siavonga	Kabbila Health Post	
	Pemba	Pemba Main Clinic	
	Kalomo	Mawaya Clinic	
	Monze	Mulumbwa Health Post	
	Mazabuka	Research clinic	
	Chikankata	Nansenga Rural Health centre	
	Namwala	Nchole Health Post	
	Choma	Njase Clinic	
	Gweembe	Munyumbwe HAHC	
	Kazungula	Kazungula hospital admin block	
	Sinazongwe	Sinazongwe rural health centre	
Lusaka	Chilanga	Tubalange Mini Hospital, Mount Makulu Health Post	

	Chirundu	Lumbembe Clinic	
	Kafue	Shikoswe Clinic	
	Luangwa	Kavalamanja RHC, Chitpoe RHC, Kasinsa RHC, Mandombe RHC	
	Lusaka	Levy Mwanawasa, UTH, Tubalange Mini Hospital, Chawama SD, Matero SD, Chilenje SD, Kanyama SD, Chipata SD, Victoria Hospital, Bauleni	
	Rufunsa	Rufunsa RHC, Chinyunyu RHC	
Muchinga	Isoka	Lualizi and Kafwimbi RHC	
	Lavushimanda	Red Rhino school, Muwele Market .	
	Nakonde	Nakonde Hospital and Nakonde Urban Clinic.	
	Chama	FTC	
	Shiwang'andu	Lwanya RHC	
	Mpika	Chibansa RHC	
	Kanchibiya	Kopa Primary school ,LuchembeKanchibiya resettlement scheme,Chalabesa RHC.	
	Chinsali	Nambuluma RHC	
	Mafinga	Mulekatembo	
Western	Senanga	Litambya RHC	
	Shangombo	Shangombo Secondary School	
		Shangombo RHC	
	Kaoma	Kaoma Trades	
		Kaoma Youth Resource Centre	
	Luampa	Kahumbu Primary School	
	Lukulu	Lukulu Old Hospital	

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	Mitete	Lukulu Old Hospital
	Kalabo	Wenela RHC
	Nalolo	Muoyo RHC
	Sioma	Old Nangwesh Refugee Camp
	Mulobezi	Mulobezi HAHC
	Mwandi	Situlu Health Post
	Sesheke	Mulimambango
	Sikongo	Sikongo RHC
	Limulunga	Nan'oko Health Post
	Mongu	Mongu D Hospital, Mweeke HP
	Nkeyema	Nkeyema Zonal Health Centre
Central	Chitambo	Muchinka RHC
	Mkushi	Kasalamkanga RHC
	Serenje	Serenje Boma School
	luano	Old Mkushi Health Centre
	Kapiri	Tazara dry port
	Kabwe	Old Mukobeko clinic
	Chibombo	Twalumba RHC
	Chisamba	Malombe RHC
	Shibuyunji	Sichobo Rural Health Centre
	Mumbwa	Mumbwa Urban Clinic
	Itezhi tezhi	Itezhi tezhi Basic School/Uphill Scholl and and Itezhi Tezhi Boarding School
	Ngabwe	Iwonde primary school

Copperbelt	Chililabombwe	Council Hall	
	Chingola	Kalilo Health Centre	
	Kalulushi	Kalulushi Urban Health Centre	
	Kitwe	Gamerton Clinic	
	Luanshya	Chibolya Clinic	
	Lufwanyama	Shimukunami Rural Health Centre	
	Masaiti	Masaiti District Hospital	
	Mpongwe	Bwembelelo Health Post	
	Mufulira	Mutundu RHC	
	Ndola	Itawa clinic	
Northern	Chilubi	Chaba RHC Chilubi RHC	
	Kaputa	Kaputa RHC Kalaba RHC Kapepula HP	
	Kasama	Lukupa Rural Centre	
	Lunte	Chitoshi RHC Mukupa Koama RHC Mulenga Mapesa HP	
	Lupososhi	Chungu RHC Nsombo RHC	
	Luwingu	Ipusikilo RHC	
	Mbala	Chulungoma Urban Clinic Kaluluzi Health Post	
	Mporokoso	Township Clinic Chiwala RHC	
	Mpulungu	Mpulungu Urban Clinic	
	Mungwi	Mungwi Baptist HC, Kayambi RHC	
	Nsama	NsumbuRHC	
	Senga	Nsumbu RHC, Mwiluzi HP, Sumbi HP	





