

ZAMBIA SITUATION REPORT NO. 16



Disease Outbreak: COVID-19	Response start date: 30 th January, 2020	Outbreak Declared: 18 th March, 2020
Date of report: 3 rd April, 2020	Prepared by: MOH/ZNPHI/WHO	Correspondence: ims.covid@znphi.co.zm

1. SITUATION UPDATE

1.1 CURRENT CASE NUMBERS

- As of 17:00 hours on Friday, 3rd April, 2020:
 - There were **no new confirmed cases of COVID-19** recorded in the past 24 hours.
 - Two of the confirmed cases have recovered (re-test result negative).
 - Two suspected cases (with a negative test result) were discharged
 - The total number of confirmed cases is **thirty-nine (39) with (1) death recorded** to date (Refer to Annex 1).
 - All cases (suspected/confirmed) are admitted to designated isolation facilities.

Zambia Current Numbers

	39 Confirmed (0 new)
	1 Death (0 new)
	2 Recoveries (2 new)

Global Numbers

(Source: Johns Hopkins University)

	1,030,628 Confirmed (79,752 new)
	53,975 Deaths (5,392 new)
	218,771 Recoveries (16,043 new)

*New: in the last 24hrs

1.1 EPIDEMIOLOGICAL HIGHLIGHTS

Table 1: COVID-19 Summary surveillance and case management report as of 3rd April 2020

Parameter	Number
Cumulative number of high risk persons recorded	5,656
Number of high risk persons currently observation	900
Cumulative number of high risk persons that have completed 14 days observation	1,376
Cumulative number of alerts notified & verified as non-cases	262
Number of suspected cases reported today	58
Cumulative Number of Samples Received	910
Total Number of Results Processed	856
Total Number of Confirmed COVID-19 Positive Cases	39

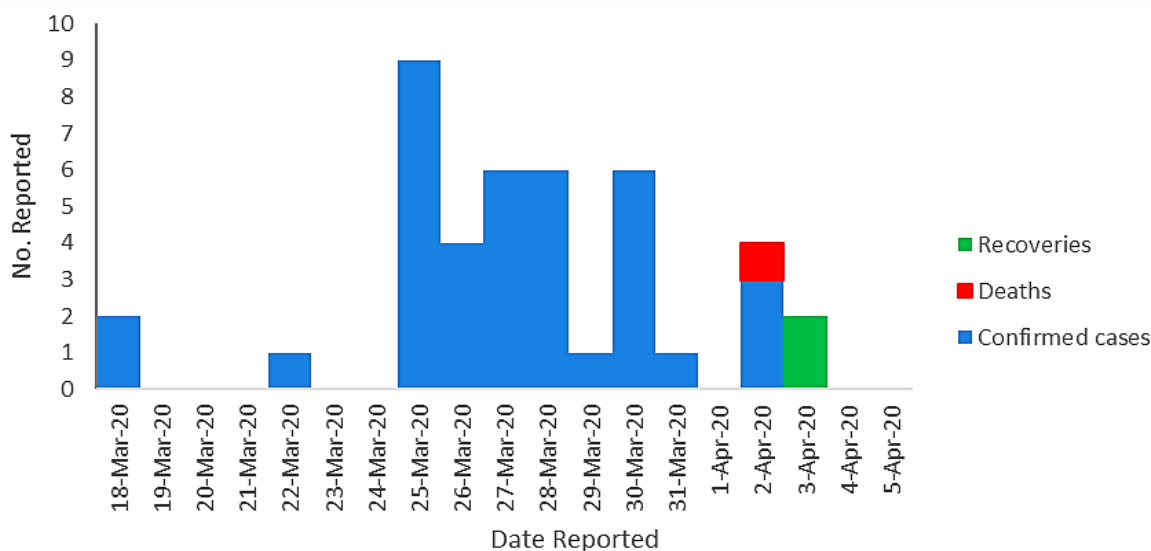


Figure 1: Epi-curve of COVID-19 confirmed cases (N=39), recoveries (N=2,) and deaths (N=1) as of 3rd April 2020

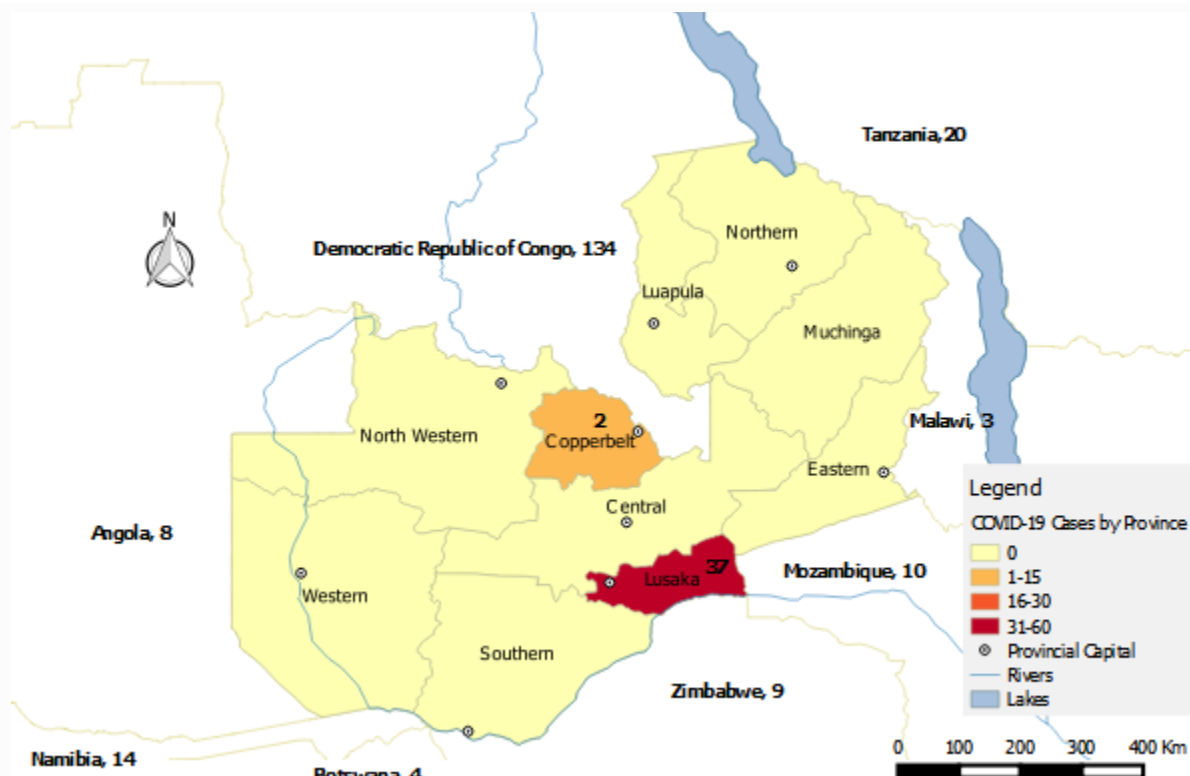


Figure 2: Map of Zambia showing confirmed COVID-19 cases by province, and confirmed cases in neighbouring countries as of 3rd April 2020

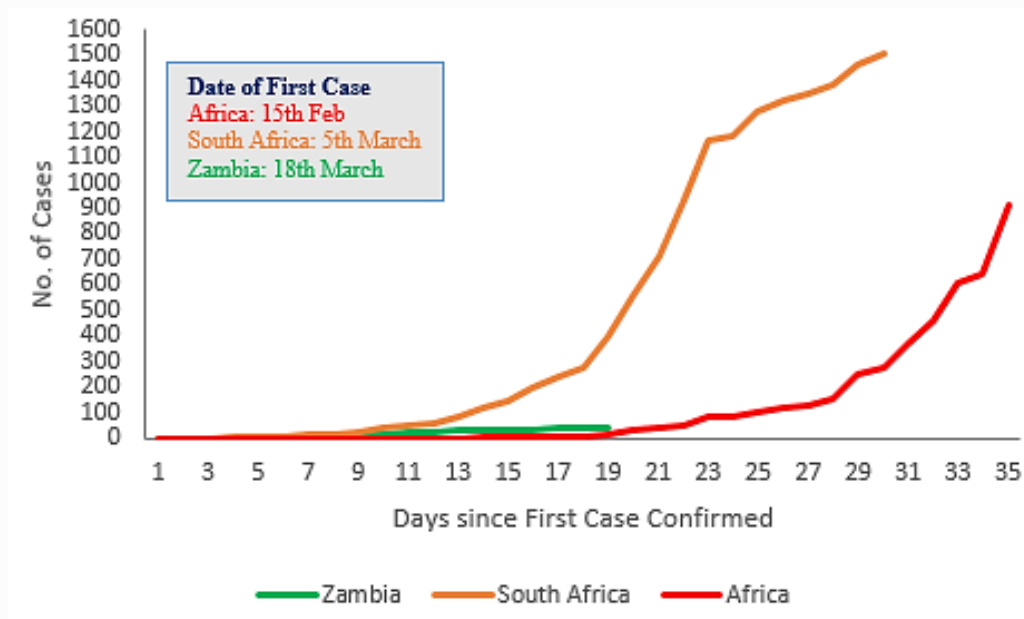


Figure 3: Cumulative trend graph comparing the number of confirmed cases in Zambia, South Africa and the whole of Africa recorded during the first 35 days (Sources: MoH Zambia, NICD South Africa, Africa CDC)

Table 2: Summary of COVID-19 cases recorded country-wide as of 3rd April 2020

Reporting Province	New Cases	Total Confirmed Cases	New Deaths	Total Deaths	Transmission Classification	Days since last confirmed case discharged
Lusaka	0	37	0	0	25 Imported 12 Local	0
Copperbelt	0	2	0	0	2 Imported	0
Central	0	0	0	0	N/A	0
Southern	0	0	0	0	N/A	0
Eastern	0	0	0	0	N/A	0
Western	0	0	0	0	N/A	0
Northern	0	0	0	0	N/A	0
N/Western	0	0	0	0	N/A	0
Luapula	0	0	0	0	N/A	0
Muchinga	0	0	0	0	N/A	0
Total	0	39	0	0		

- **Age and Sex distribution:** Of the confirmed cases, 81% are male and 19% are female; the most affected age group is between 15-30 years old.

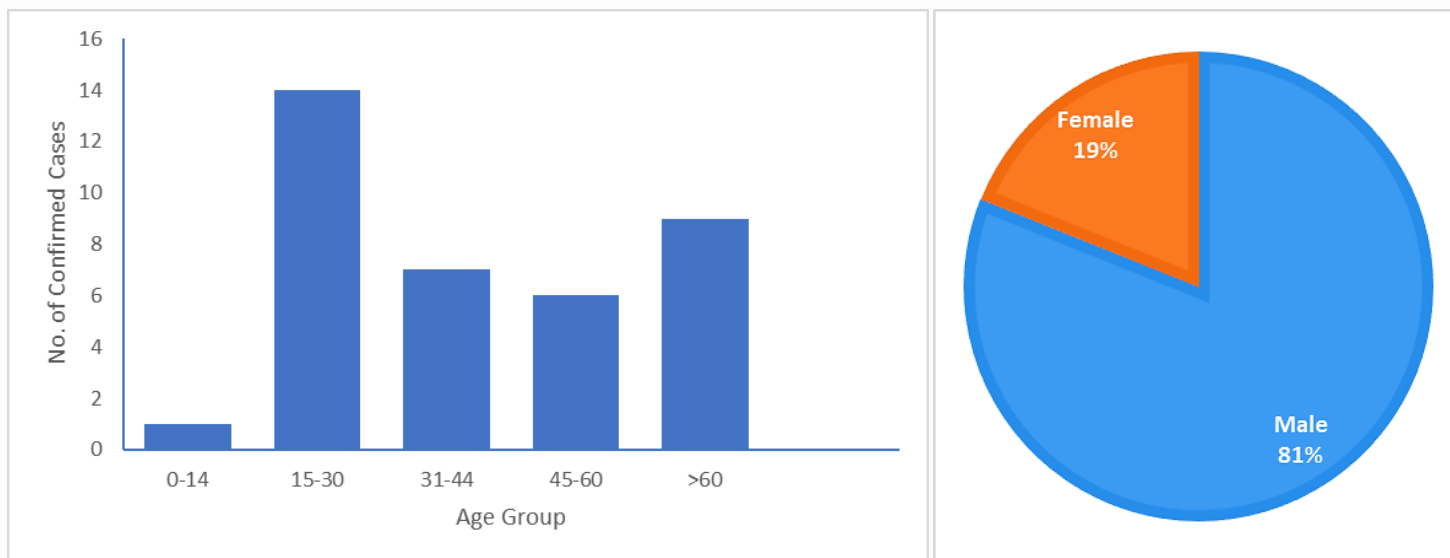


Figure 1: Age and Sex distribution of confirmed cases reported as of 3rd April 2020

2. ACTIONS TO DATE

2.1 CO-ORDINATION

➤ Policy Level:

- At SADC level, Zambia is party 11 key areas agreed on by member states as part of regional initiatives to coordinate the outbreak response including preparedness and response, surveillance, diagnostics and laboratory testing, risk communication, facilitation of the movement of goods and services, regional trade, regulatory provisions, and disaster risk management.
- Meetings of the Council of Ministers, Committee of Permanent Secretaries, and the National Epidemic Preparedness, Prevention Control and Management Committee (NEPPC&MC) have been convened since the declaration of the outbreak
- Recruitment of surge staff to support the outbreak response including 400 doctors and over 3000 para-medical staff.
- Statutory instruments **SI21 and SI22 of 2020** to facilitate the management of COVID-19 were signed into effect on 13th March 2020. SI 21 and 22 have been operationalised through:
 - Closure of Simon Mwansa Kapwepwe (Copperbelt province), Harry Mwanga Nkumbula (Southern Province) and Mfuwe (Eastern province) International Airports. All international flights have been rerouted to Kenneth Kaunda International Airport (KKIA), Lusaka.
 - Screening of all travellers at points of entry (symptomatic travellers are isolated at a health facility; asymptomatic travellers are required to undergo quarantine and monitoring for at least 14 days);
 - Suspension of non-essential travel to countries with confirmed COVID-19 cases;
 - Restriction of visa issuance
 - Restriction of public gatherings to no more than 50 people;
 - Restaurants to operate only on take away and delivery basis; closure of all bars, nightclubs, cinemas, gyms and casinos.
 - Closure of all schools and higher learning institutions until further notice
 - Government measures and interventions to control the spread of COVID-19 came into effect at midnight on Thursday 26th March, 2020 in line with the Public Health Act, SI21 and SI22, and the presidential directives.

➤ Technical level:

- The IMS continues to meet on Tuesdays and Thursdays. (Refer to Annex 2 for structure)
- Technical co-ordinating meetings are being held with cooperating partners and other stakeholders. The meetings are chaired by the Director, ZNPFI
- Development, printing and distribution of various SOPs in targeted areas of operation is ongoing

2.2 SURVEILLANCE

Surveillance is being actively conducted at POEs, health facilities, and sentinel sites. Surveillance and outbreak investigation teams continue to strengthen contact tracing, monitoring of persons under quarantine and adherence, verification and follow up of alerts and timely transport of cases to isolation facilities.

Public Health Specialists in each of the sub-districts in Lusaka serve as Incident Commanders and coordinate daily activities of field team.

An average of 5 hospitals teams per province has been trained on COVID-19 surveillance, IPC, case management and specimen collection.

- **Contact Tracing:** surveillance teams continue to actively follow up contacts of confirmed cases. All travellers into Zambia must remain in self-quarantine and will be monitored for a minimum period of 14 days; any persons who develop any symptoms of COVID-19 must notify the health authorities.
- **Screening at POEs:** screening of travellers into Zambia remains in effect. All international flights have been directed to land only at KKIA. Screening facilities are also available at the dry port along Kafue Road which services buses coming from South Africa, Zimbabwe and Botswana.
 - There has been an over 95% reduction in the number of passengers screened between the months of February and March.
 - Currently only Ethiopian and Malawian Airlines are still flying into Zambia.
 - Social distancing during screening is being observed.
- **Laboratory:** The University Teaching Hospital Virology Lab (UTHVL) (WHO-certified National Influenza Centre) is the designated primary diagnostic laboratory for COVID-19, with additional capacity at the School of Veterinary Medicine (SVM), UNZA and the Tropical Diseases Research Centre (TDRC) on the Copperbelt. A sample referral system is in place for samples being collected in other provinces.
 - Support for the labs has been received from US CDC, WHO and Africa CDC.
 - Additional testing sites are being explored at Ndola Teaching Hospital and Arthur Davison Children's Hospital on the Copperbelt as well as in Southern Province.
 - The total number of samples received to date is 910; 856 results have been processed with 39 confirmed positive for SARS-CoV-2. Summary of tests conducted to date is available in Annex1
 - The standard test turn-around time is 24 hours, but can take up to 36-48 hours where repeat or confirmatory testing is required
 - **Criteria for testing:** individuals who meet the case definition or individuals who have had contact/been exposed to a confirmed positive case and are symptomatic

- **Case Management:** All symptomatic cases (suspected, probable and confirmed) are admitted to the designated isolation facilities. Patients are only considered recovered once their re-test results are negative. Refer to Annex 1 for detailed summary
 - **Levy Mwanawasa Hospital:** In the last 24 hours, the facility had two new admissions of suspected cases and two discharges (suspected cases with a negative test result). There are currently 38 patients admitted at the facility (36 confirmed positive; 2 suspected with results pending).
 - **Masaiti District Hospital:** There are 2 confirmed positive cases admitted at the facility; no new admissions
 - **Tubalange Hospital:** there are currently no cases admitted at the facility
 - **University Teaching Hospital:** There are currently no patients admitted at the facility.
 - **COVID-19 Screening Facilities:** Dedicated screening structures have been set up at the UTH and Levy Mwanawasa, away from the areas of routine service delivery.
 - **Isolation facilities** have also been set up in all high risk districts across the ten provinces; a detailed list is available at Annex 4

3. GAPS AND CHALLENGES

- **Logistics:** low stocks of sample collection supplies, PPE and other logistical supplies due to limited availability and increased demand on the global market.
- **Surveillance:** incorrect contact information being provided on surveillance forms; staff welfare; incomplete information on sample investigation forms
- **Screening at POEs:** trucks marooned at Livingstone and Kazungula while truck drivers are screened and quarantined; inadequate space for mandatory quarantine; non-observance of social distancing and restriction on public gatherings.

4. PRIORITY ACTIONS AND RECOMMENDATIONS

- **Policy:** Government has commenced the recruitment of 400 doctors and over 3000 para-medicals to support the response; a driver relay system at ports of entry to ensure there is no disruption to the supply of essential goods
- **Surveillance:** Technical team dispatched to Southern province to strengthen port health services and coordination of the response at district level
- **Case management:** Additional facilities have been identified to serve as designated isolation facilities. The Courtyard hotel has been designated as an isolation centre for management of stable patients not requiring intensive clinical care management. The Victoria Hospital and an additional

facility in Makeni will also serve as isolation facilities. Levy Mwanawasa will be restricted for patients requiring intensive clinical care management.

- **Logistics:** tools, reagents and technical capacity provision to TDRC in order to expand lab capacity for the Northern region

5. CONCLUSION

Zambia recorded no new confirmed cases of COVID-19 in the last 24 hours. The total number of confirmed cases stands at 39. The Ministry of Health through the ZNPPI has dispatched a team of experts to Southern province to set up effective coordination and screening in line with the national guidelines for the prevention of transmission of COVID-19.

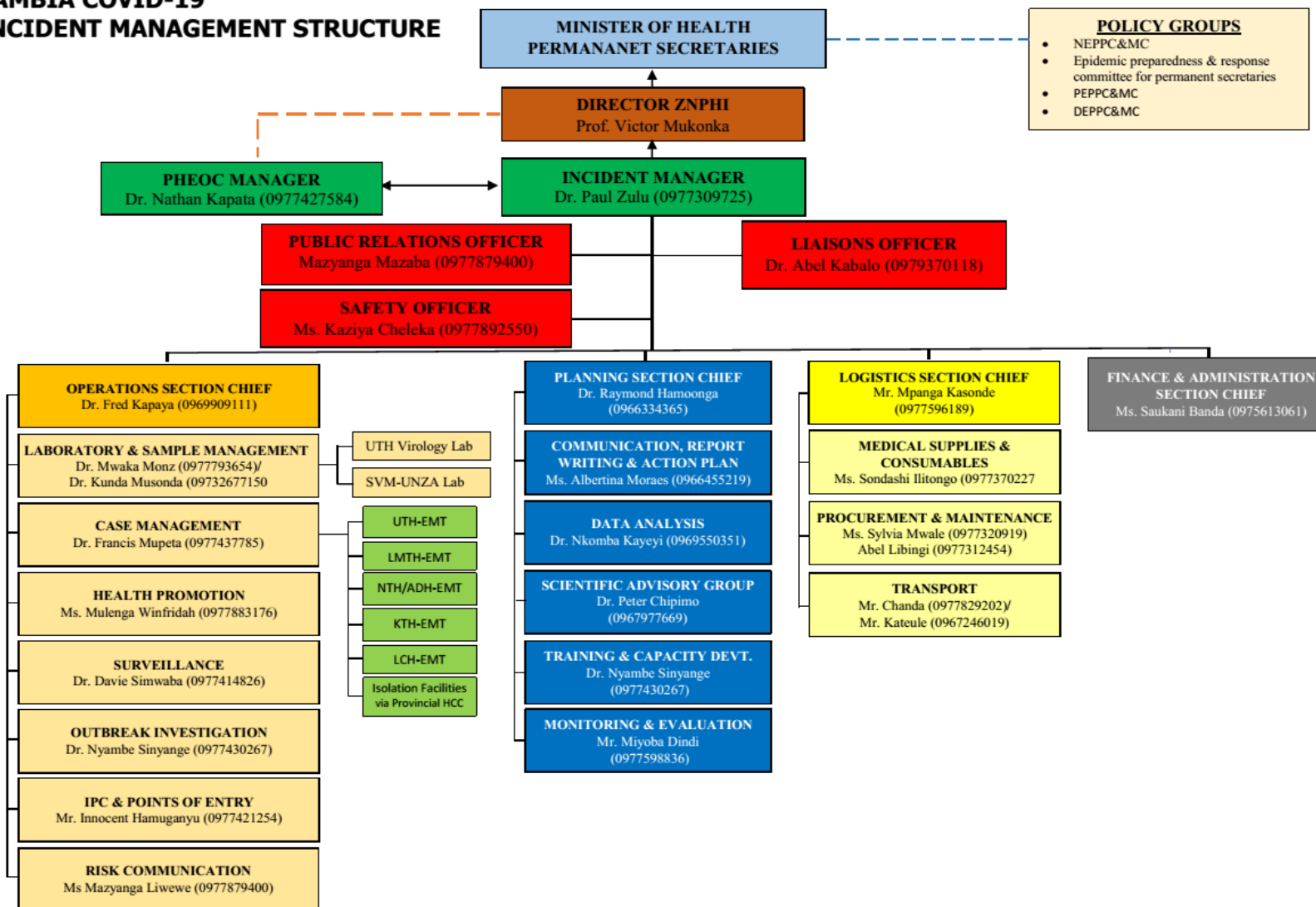
ANNEX 1: EPIDEMIOLOGICAL DATA AS OF 17:00HRS ON 3 APRIL 2020*

Total Cases	Daily Total			Cumulative since outbreak declared		
Suspected cases	58			-		
Confirmed cases	0			39		
Recovered	2			2		
Diagnostics and Laboratory Testing						
Samples received	44			910		
Samples with results processed	0			856		
COVID-19 positive	0			39		
COVID-19 negative	0			817		
Samples with results pending	54			-		
Number of re-tests	2			14		
Statistics By Health Facility	Tubalange	Levy	Masaiti	UTH	Daily Total	Cumulative since outbreak declared
Admissions/Discharges						
New Admissions	0	2	0	0	2	65
Currently Admitted	0	38	2	0	40	-
Discharges	0	2	0	0	2	26
Transferred in	0	0	0	0	0	7
Transferred out	0	0	0	0	0	7
Deaths						
Deaths among suspected cases	0	0	0	0	0	0
Deaths among lab confirmed cases	0	0	0	0	0	1

**Reported figures may vary due to continual data cleaning and verification as part of quality assurance*

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

ZAMBIA COVID-19 INCIDENT MANAGEMENT STRUCTURE



ANNEX 3: CORONAVIRUS DISEASE 2019 (COVID-19) CASE DEFINITIONS

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. Person Under Investigation: a suspected case, irrespective of admission status, with either history of travel to an area with local transmission or worked in/attended a health care facility treating COVID-19 infections or admission to a facility for severe pneumonia of unknown aetiology

5. 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 4: 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

	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
Shangombo		Shangombo Secondary School
		Shangombo RHC
Kaoma		Kaoma Trades
		Kaoma Youth Resource Centre
Luampa		Kahumbu Primary School
Lukulu	Lukulu Old Hospital	

	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
	Iuano	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	Garnerton 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		Lukupula 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 Chizala RHC	
Mpulungu		Mpulungu Urban Clinic	
Mungwi		Mungwi Baptist HC, Kayambi RHC	
Nsama		NsumbuRHC	
Senga	Nsumbu RHC, Mwiluzi HP, Sumbi HP		

