

ZAMBIA SITUATION REPORT NO. 27

Disease Outbreak: COVID-19	Response start date: 30 th January, 2020	Outbreak Declared: 18 th March, 2020
Date of report: 14 th 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 Tuesday, 14th April, 2020:
 - There were **no new confirmed cases of COVID-19, no recoveries and no deaths** recorded in the past 24 hours.
 - The total number of confirmed cases recorded to date is **45, with 2 deaths (CFR=4.44%) and 30 recoveries** (Refer to Annex 1).
 - There are currently 13 active cases. All cases (suspected/confirmed) are admitted to designated isolation facilities.

Zambia Statistics

 **45 Confirmed (0 new)**
 **2 Deaths (0 new)**
 **30 Recoveries (0 new)**

Global Statistics

(Source: Johns Hopkins University)

 **1,935,646 Confirmed (65,570 new)**
 **120,914 Deaths (4,862 new)**
 **441,323 Recoveries (23,672 new)**

*New: in the last 24hrs

1.1 EPIDEMIOLOGICAL HIGHLIGHTS

Table 1: COVID-19 Summary surveillance and case management report as of 14th April 2020

Parameter	Number
Cumulative number of high risk persons under observation	7,737
Cumulative number of high risk persons that have completed 14 days observation	2,250
Cumulative number of alerts notified & verified as non-cases	623
Number of suspected cases reported (previous day)	9
Cumulative Number of Samples Received	1845
Total Number of Results Processed	1695
Total Number of Confirmed COVID-19 Positive Cases	45
Total number of currently isolated positive cases	13

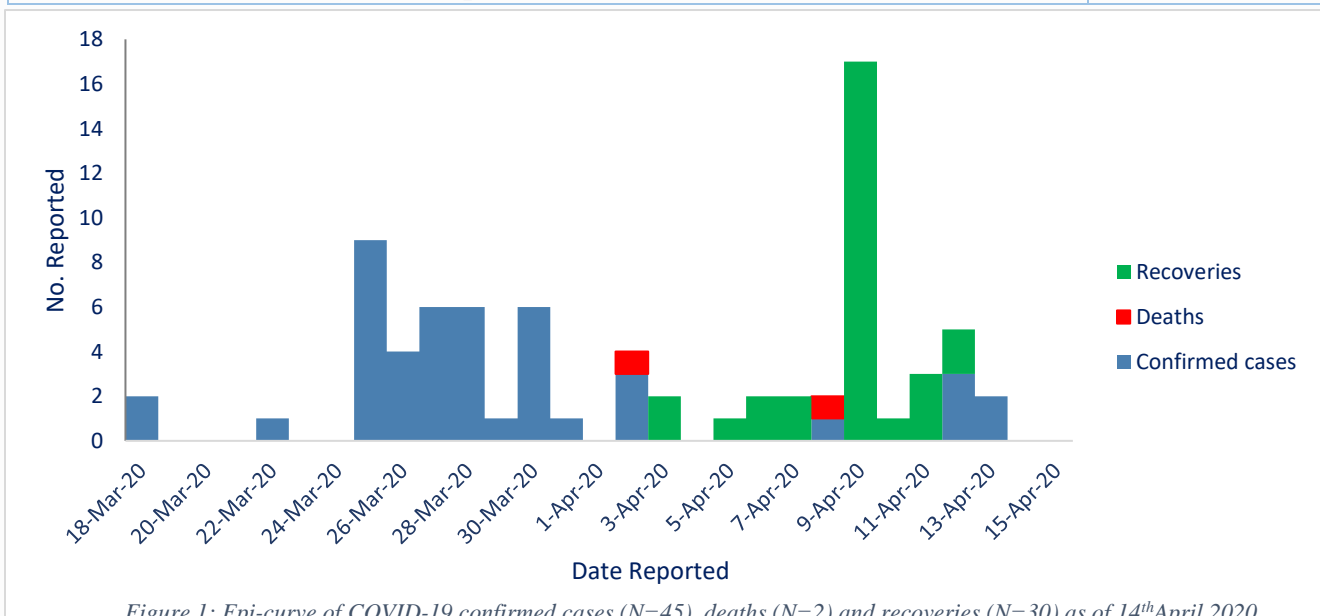


Figure 1: Epi-curve of COVID-19 confirmed cases (N=45), deaths (N=2) and recoveries (N=30) as of 14th April 2020

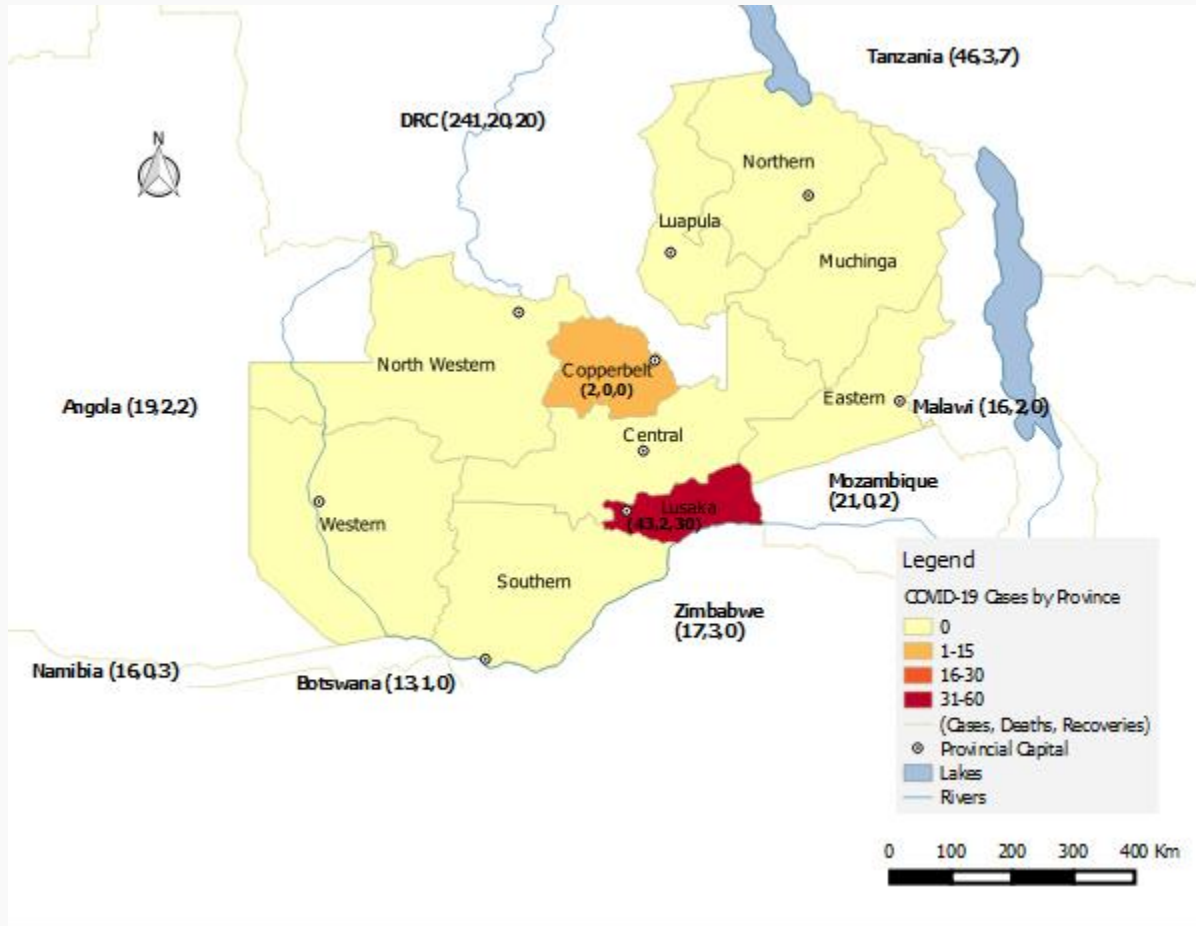


Figure 2: Map of Zambia showing confirmed COVID-19 cases, deaths and recoveries (in brackets) by province, as well as confirmed cases, deaths and recoveries (in brackets) in neighbouring countries as of 14th April 2020

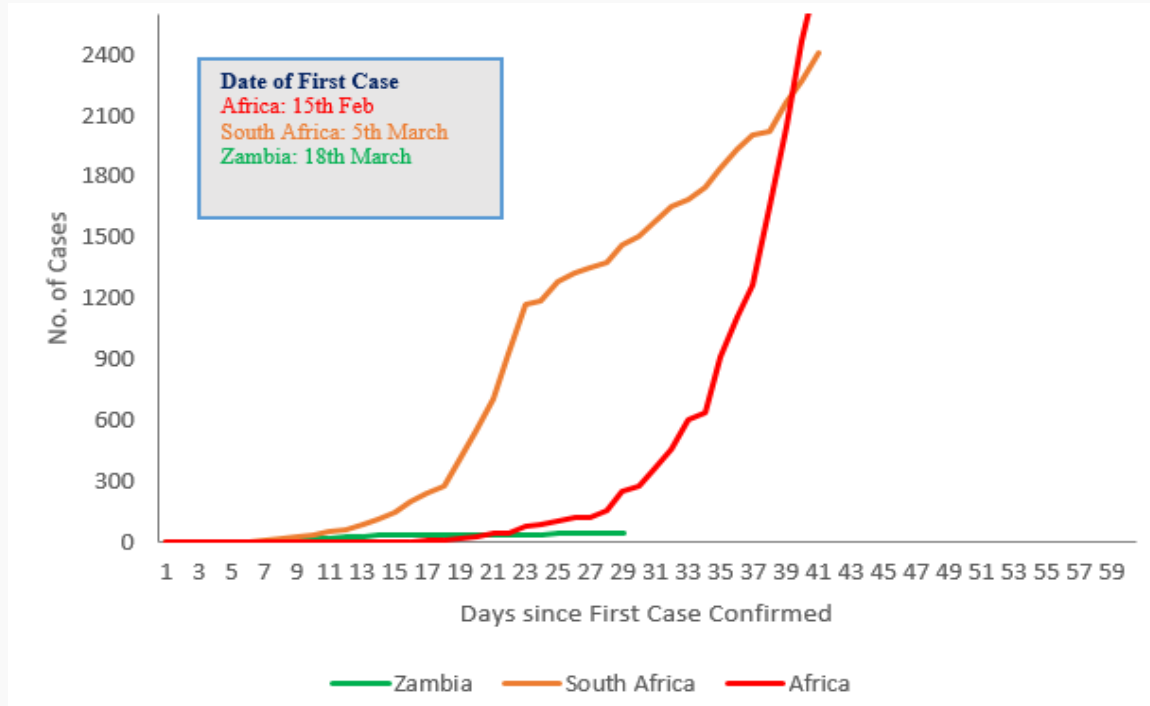


Figure 3: Cumulative trend graph comparing the number of confirmed cases in Zambia, South Africa and the whole of Africa recorded during the first 60 days (Sources: MoH Zambia, NICD South Africa, Africa CDC)

Table 2: Summary of COVID-19 cases recorded country-wide as of 14th April 2020

Reporting Province	New Cases	Total Confirmed Cases	New Deaths	Total Deaths	New Recoveries	Total Recoveries	Transmission Classification	Days since last confirmed case reported
Lusaka	0	43	0	2	0	30	25 Imported 18 Local	0
Copperbelt	0	2	0	0	0	0	2 Imported	18
Central	0	0	0	0	0	0	N/A	0
Southern	0	0	0	0	0	0	N/A	0
Eastern	0	0	0	0	0	0	N/A	0
Western	0	0	0	0	0	0	N/A	0
Northern	0	0	0	0	0	0	N/A	0
N/Western	0	0	0	0	0	0	N/A	0
Luapula	0	0	0	0	0	0	N/A	0
Muchinga	0	0	0	0	0	0	N/A	0
Total	0	45	0	2	0	30		

- **Age and Sex distribution:** Of the confirmed cases, 74% are male and 26% are female; while the most affected age group is between 15-30 years old.

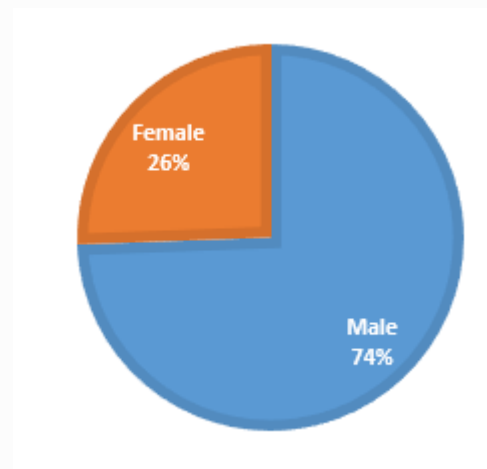
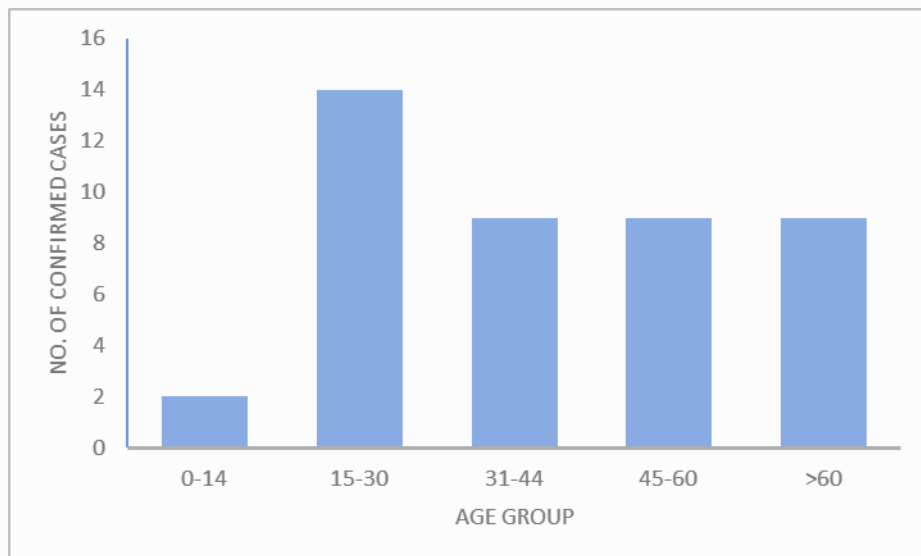


Figure 4: Age and Sex distribution of confirmed cases, 14th April 2020

2. ACTIONS TO DATE

2.1 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 2,577 confirmed cases of COVID-19 including 37 deaths and 455 recoveries. Zambia continues to participate in AU meetings to ensure continued regional and continental trade and strategies to stop transmission of COVID-19.

➤ **Policy Level:** The Minister of Health announced a shut-down of Kafue town on 15th April 2020, following confirmation of 3 COVID-19 cases. This is to facilitate mass screening and targeted testing of the population. Movement into and out of Kafue will be restricted.

The government continues to enforce the measures and interventions to control the spread of COVID-19 as outlined in the Statutory instruments **SI21 and SI22 of 2020 on COVID-19 and presidential directives** issued in March 2020. The measures include 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 to no more than 50 people; restaurants to operate only on take away and delivery basis; and closure of all bars, nightclubs, cinemas, gyms and casinos. Following continued disregard of quarantine directives, travellers into Zambia will now be isolated at designated facilities while awaiting test results.

- Meetings of the Committee 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
- Press briefings are held daily on the evolving outbreak situation in Zambia.

➤ **Technical level:** The ZNPFI continues to provide leadership and partner collaboration on the response.

- The IMS continues to meet at the ZNPFI (with a Zoom link provided to ensure social distancing) 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
- All the response pillars under the IMS have an Incident Coordinator whose responsibility it is to map the partners and resources for the respective units to ensure no duplication of efforts and resources. Public Health Specialists in each of the sub-districts in Lusaka serve as Incident Commanders and coordinate daily activities of field teams.

2.2 SURVEILLANCE

Surveillance is being actively conducted around the country at community level, points of entry (POEs), health facilities, and sentinel sites. Efforts for rapid detection of any cases of COVID-19 in Lusaka and Kafue have been stepped up. 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. Hospitals teams in each of the 10 provinces have been trained on COVID-19 surveillance, case management, specimen collection, and Infection, Prevention and Control (IPC). Teams have also been constituted in each of the 5 sub-districts of Lusaka with a strategic focus on quarantine adherence, follow up of confirmed cases, contact tracing, follow up and verification of alerts, and risk communication

- **Contact Tracing:** Rapid response teams in Kafue and Lusaka are carrying out mass screening and contact tracing. Surveillance teams continue to actively follow up contacts of confirmed cases.

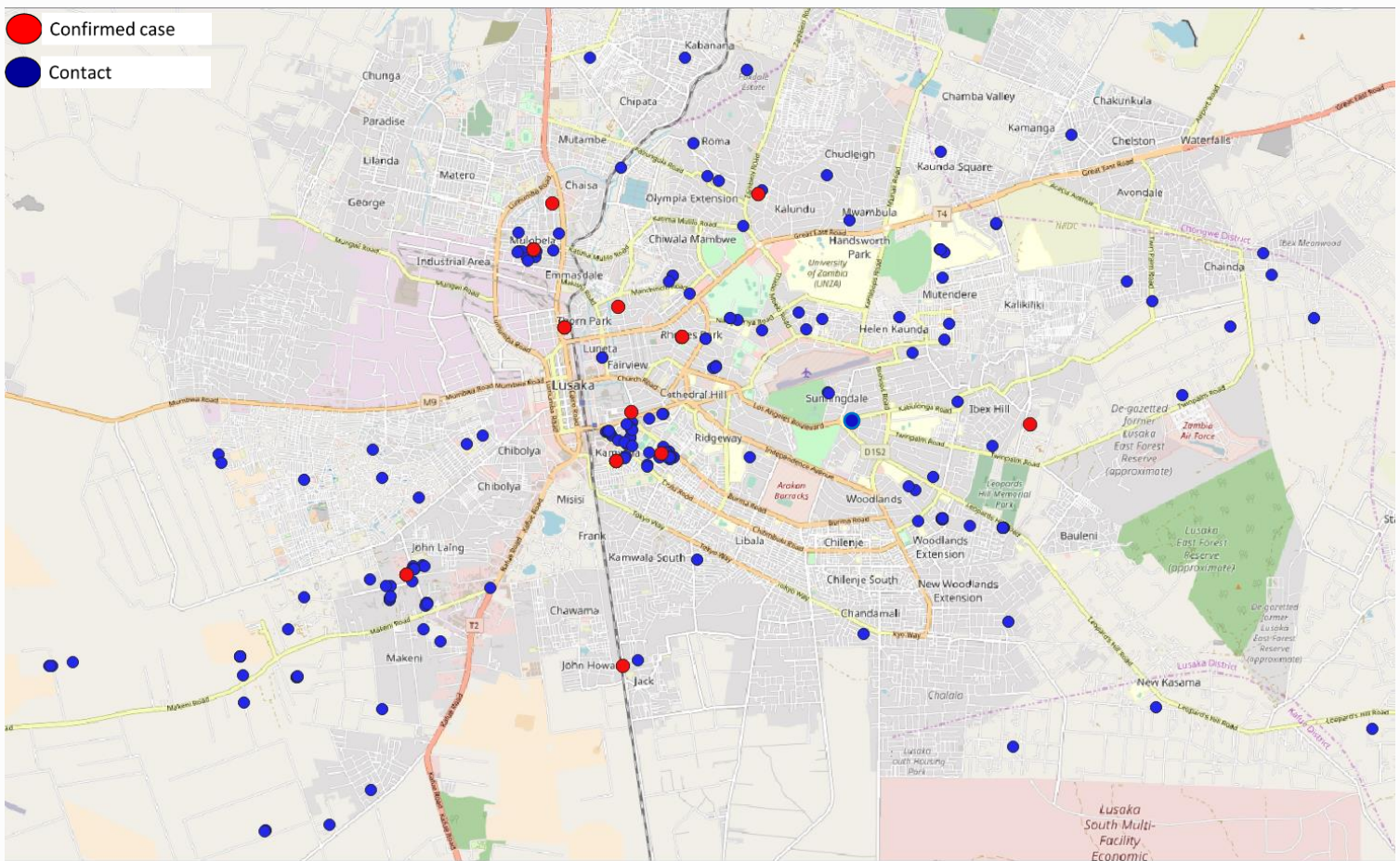


Figure 5: Locations in Lusaka district with confirmed cases of COVID-19 and traced contacts, 13th April 2020

➤ **Points of Entry:** Data management at the POEs has been improved through the use of electronic data management systems. Active screening continues at all PoEs. Additional staff was deployed to Kasumbalesa through the Provincial Health Office. Only Ethiopian Airline is currently flying into KKIA with 3 to 4 flights operating each week. International buses are no longer coming in to the country. The number of trucks coming through Chirundu border ranges between 250 and 270 daily. Additional screening points have been set up in Lusaka and on the Copperbelt.

All travellers into Zambia must remain in isolation pending COVID-19 test results and will be monitored for a minimum period of 14 days; any persons who develop symptoms of COVID-19 must notify the health authorities.

➤ **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.

- Testing of community alerts, suspects under quarantine, contacts of confirmed cases as well as re-testing of confirmed cases is ongoing.
- In the last 24hrs, 45 tests were conducted; all were negative.
- A total of **1,845 samples** have been received to date; of these, **1,695 results** have been processed with **45 confirmed positive** for SARS-CoV-2. Summary of tests conducted to date is available in Annex 1
- 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/or are symptomatic. Testing is being expanded in all communities with confirmed cases.

➤ **Case Management:** All symptomatic cases (suspected, probable and confirmed) are admitted to the designated isolation facilities. *Patients are only considered recovered once they record two negative re-test results within a 24hour period.* Refer to Annex 1 for detailed summary. All health workers are required to undergo 14-day quarantine following their shift at the isolation facilities.

- **Levy Mwanawasa Hospital:** In the last 24 hours, the facility had no new admissions of confirmed cases; no recoveries were recorded. There are currently 13 patients admitted at the facility (all confirmed positive). All patients are stable.

- **Masaiti District Hospital:** In the last 24 hours, the facility had no new admissions of confirmed cases; no recoveries were recorded. There are 2 confirmed positive cases still admitted; all patients are in a stable condition.
- **Tubalange Hospital:** There are currently no patients or suspected cases admitted at the facility.
- **Bauleni Clinic:** There are currently no patients or suspected cases admitted at the facility.
- **University Teaching Hospital:** There are currently no patients or suspected cases 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

2.3 INFECTION, PREVENTION AND CONTROL (IPC)

- **IPC orientation and assessment:** a total of 6,239 health care workers from all ten provinces were trained. Technical support from the World Bank has been provided on IPC compliance in selected health care facilities in the provinces. Proposed isolation facilities in the provinces have been assessed to ascertain their suitability as isolation sites with support from UNICEF. Trainings in IPC have also been held for contact tracing teams.
- **Partner mapping:** capacity building and technical support for IPC, POE and WASH is being provided by the World Bank, WHO, and UNICEF

2.4 RISK COMMUNICATION AND COMMUNITY ENGAGEMENT (RCCE)

- **Coordination:** The RCCE TWG was formed with sub-branches linked to all provinces and districts
- **Call centre:** The call centre was expanded with additional facilities set up at the ZNPFI. The call centre toll free line is 909; three additional hotlines (0953-898941; 0964-638726; 0974-493553) have also been set up for the public to call for information regarding COVID-19.
- **Public Communication:** Interactive risk communication and health promotion programmes have been broadcast on a number of radio and television stations in English and local languages; regular press statements and press briefs have also been issued. A free messaging platform is active on all networks via the U-report messaging platform (send the message 'COVID' to 878). More than 100,000 queries have been received to date. The USSD code *573# is also activate with support from USAID Discover. The Ministry of Health has also launched a Frequently Asked Questions (FAQ) bot on its website and Facebook page to address queries on COVID-19 with over 3000 interactions to date.
- **Community Engagement:** Sensitisation in communities, markets and bus stations is ongoing.

- **Development and Distribution of IEC materials:** The WHO has produced 30,000 posters and leaflets with an additional 130,000 each of posters and leaflets by UNICEF and 90,000 posters by USAID Discover Health also produced. With the support of UNICEF, 11 billboards have been put up around Lusaka. The campaign is scheduled to move into other districts with materials provided in local languages.

3. GAPS AND CHALLENGES

- **Laboratory:** faulty back-up power generator at UNZA Lab; poor sample packaging (leakages, unlabelled specimens, illegible handwriting).
- **Surveillance:** inadequate electronic data collection tools for data capture; non-adherence to self-quarantine and socio-distancing
- **POEs:** inadequate thermal scanners at POEs; insufficient numbers of trained POE staff; data management; inadequate quarantine facilities at Kasumbalesa; highly porous borders

4. PRIORITY ACTIONS AND RECOMMENDATIONS

- **Laboratory:** repair of back-up power generator at UNZA lab; deployment of additional staff to UTH and UNZA labs; commence sample extraction procedure at the UTH TB lab; establish decontamination mechanisms for sample transportation cooler boxes before re-use; pilot the data management system; establish system for recording internal lab processing data
- **Surveillance:** Training of PoE & HF staff in surveillance; mapping & monitoring close contacts of new cases; continued active surveillance of alerts, contacts & monitoring quarantine
- **POE:** provide technical support for POE staff at Kasumbalesa; continues collaboration with the police and immigration to control illegal entry via the porous borders; strengthen electronic data management.
- **IPC:** conduct TOT for 570 personnel in IPC in 8 provinces; continued monitoring of IPC practices in health facilities; conduct IPC training at POE

5. CONCLUSION

Zambia recorded no new confirmed cases of COVID-19 in the last 24 hours. Surveillance at community level in Lusaka and Kafue continues to be intensified and rapid response teams continue to trace and test all persons in the contact matrix.

ANNEX 1: EPIDEMIOLOGICAL DATA AS OF 17:00HRS ON 14th APRIL 2020*

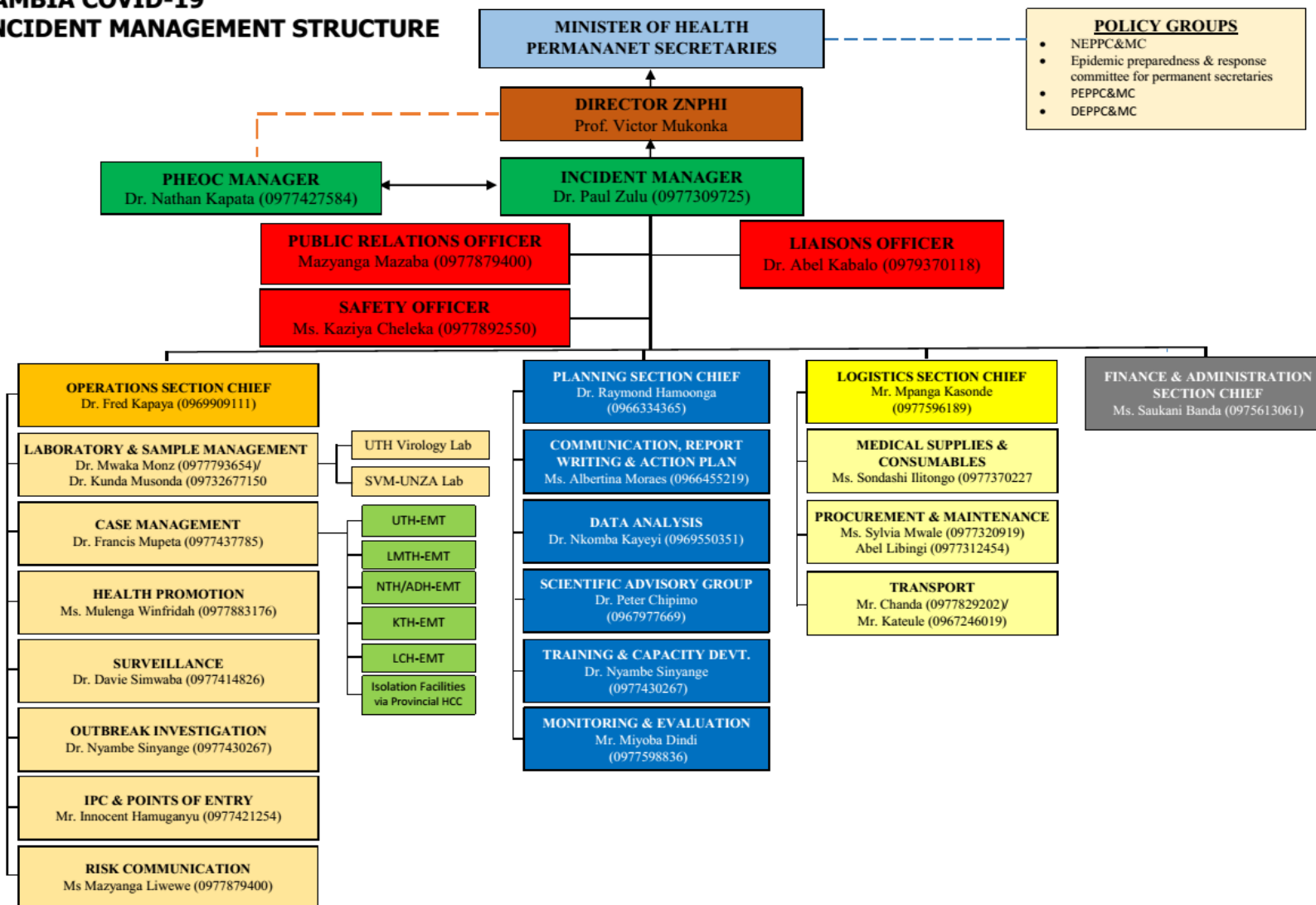
Total Cases	Daily Total			Cumulative since outbreak declared		
Suspected cases	9			1845		
Confirmed cases	0			45		
Recovered	0			30		
Diagnostics and Laboratory Testing						
Samples received**	150			1845		
Samples with results processed	45			1695		
COVID-19 positive	0			45		
COVID-19 negative	45			1650		
Samples with results pending	150			-		
Statistics By Health Facility	Tubalange	Levy	Masaiti	UTH	Daily Total	Cumulative since outbreak declared
Admissions/Discharges						
New Admissions	0	0	0	0	0	78
Currently Admitted	0	11	2	0	13	-
Discharges	0	0	0	0	0	63
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	2

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

**Includes samples for re-test of confirmed positive cases

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
	Livingstone	Mosi Oa Tunya Health centre
	Southern	Zimba
Siavonga		Kabbila Health Post
Pemba		Pemba Main Clinic
Kalomo		Mawayia 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, Chinyunya RHC
	Muchinga	Isoka
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
	Mfulira	Mutundu RHC
	Ndola	Itawa clinic
Northwestern	Mushidamo	Kichikwe RHC
	Solwezi	SGH/Solwezi College of Nursing
	Kalumbila	Nkulumazhiba Health Facility
	Mwinilunga	Farmers Training College
	Ikelenge	Sachibondu Mission RHC
	Ikelenge	Mukangala RHC (Secondary site)
	Kasempa	Mukinge Mission
	Mufumbwe	Mufumbwe Day Secondary Sch
	Manyinga	Loloma Mission Hospital
	Kabompo	Government Guest House
Zambezi	Chilenga Health Facility	
Chavuma	Chavuma District Hospital	
Northern	Chilubi	Chaba RHC Chilubi RHC
	Kaputa	Kaputa RHC Kalaba RHC Kaepupula 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

