

COVID-19 PRIMARY CARE FACILITY PREPAREDNESS GUIDE

How to prepare healthcare facilities for operation during the Coronavirus pandemic

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ACRONYMS

ANC Antenatal care

ART Antiretroviral therapy CHC Community health centre

FΡ Family planning

IPC

PPE

GDO Gate designated official **HCWs** Healthcare workers

Infection prevention and control MCH Maternal and child health MOU Maternal Obstetric Unit NDOH National Department of Health National Health Laboratory Service NHIS COVID-19 Novel coronavirus disease-2019 OPD Out patient department

Personal protective equipment PHC Primary care centre

Sanitation designated official SDO

Severe acute respiratory syndrome coronavirus 2 SARS-CoV-2

SOP Standard operating procedure

ΤВ Tuberculosis

COVID-19 PRIMARY CARE FACILITY PREPAREDNESS GUIDE

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All care has been taken to ensure that the information is correct as of 25 April 2020. Clinical and Infection Prevention and Control guidelines are fast evolving as more becomes known about SARS CoV 2 and COVID-19. Ensure updated guidelines are adhered to.

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Endorsed by:















COVID-19 EQUIPMENT REQUIRED AT FACILITY

EQUIPMENT LIST

In order to prepare COVID-19 facility set up and manage patients through appropriate service pathways required, the facility requires the equipment and consumables identified in **Annex 1**.

PROCUREMENT SUPPORT

Sub-District managers are to ensure availability and procurement of equipment list in **Annex 1**.

TRAINING REQUIRED BY FACILITY STAFF

ON-SITE TRAINING

1. IPC including hand hygiene, PPE (who to wear and when, which PPE to wear, donning and doffing – see Annex 11 and 12) and HCW screening and self-isolation if symptomatic	All facility staff	Facility Manager/Facility doctor or nurse/Referral site doctor or nurse/sub-district doctor or nurse
2. COVID-19 symptom screening and adapted patient service pathways	All facility staff	Facility Manager/Facility doctor/Head professional nurse once set up
3. Clinical management of patients with COVID-19 symptoms	Doctors and nurses working in 2nd Screening & Management Station	Facility head clinician/ sub- district doctor
4. COVID-19 testing	Nurses or doctors designated at facility to perform testing	Facility doctor or nurse/Referral site doctor or nurse/sub-district doctor or nurse
5. Referral protocols into facility (from community), within facility (between services) and to referral sites (for emergency care and any government provided isolation facilities)	All clinicians – especially 2nd Screening & Management Station	Facility Manager or Head professional nurse
6. Decontamination and waste management refresher training including: decontamination of hard surfaces, medical devices and equipment and ensuring PPE managed and disposed of appropriately	All staff	Facility Manager or designate
7. Facility cleaning refresher training including: appropriate use of disinfectants and detergents, frequency of cleaning stations set out below	Cleaners	Facility Manager or designate

ON-SITE MONITORING

Facility manager or designated administrative staff member must keep an updated list of training required and received by each staff member for reporting to and inspection by sub-district.

SUPPORT TO PROVIDE TRAINING

Where the facility team requires support to provide the required training, the sub-district manager should be contacted and training support requested.

OTHER TRAINING RESOURCES

This guide is accompanied by training powerpoint slides, a webinar using the training slides and a poster series

These resources are available at: bit.ly/DSDCOVID



ESSENTIAL COMPONENTS OF FACILITY SET-UP FOR COVID-19

Table 2 below sets out **10 essential components** of facility set up. Each component is discussed in more detail below. Zones should be labelled according to their colour to make it clear to staff which zone they are entering or exiting. A diagram providing an example of how a primary healthcare facility could be set up is illustrated in the diagram opposite.

YELLOW ZONE

COVID-19 moderate risk zone

- 1. Single point of entry into facility premises
- 2. Patient and Healthcare Worker Sanitation
 Station
- 3. 1st Screening Station

ORANGE ZONE

COVID-19 high risk zone

FOR COVID-19 SYMPTOM POSITIVE PATIENTS:

- **4. 2nd Screening and Management Station** (also called temporary chest clinic)
- 5. HIV Testing Station
- 6. Specialized Clinical Service Station
- 7. COVID-19 and TB Testing Station

BLUE ZONE

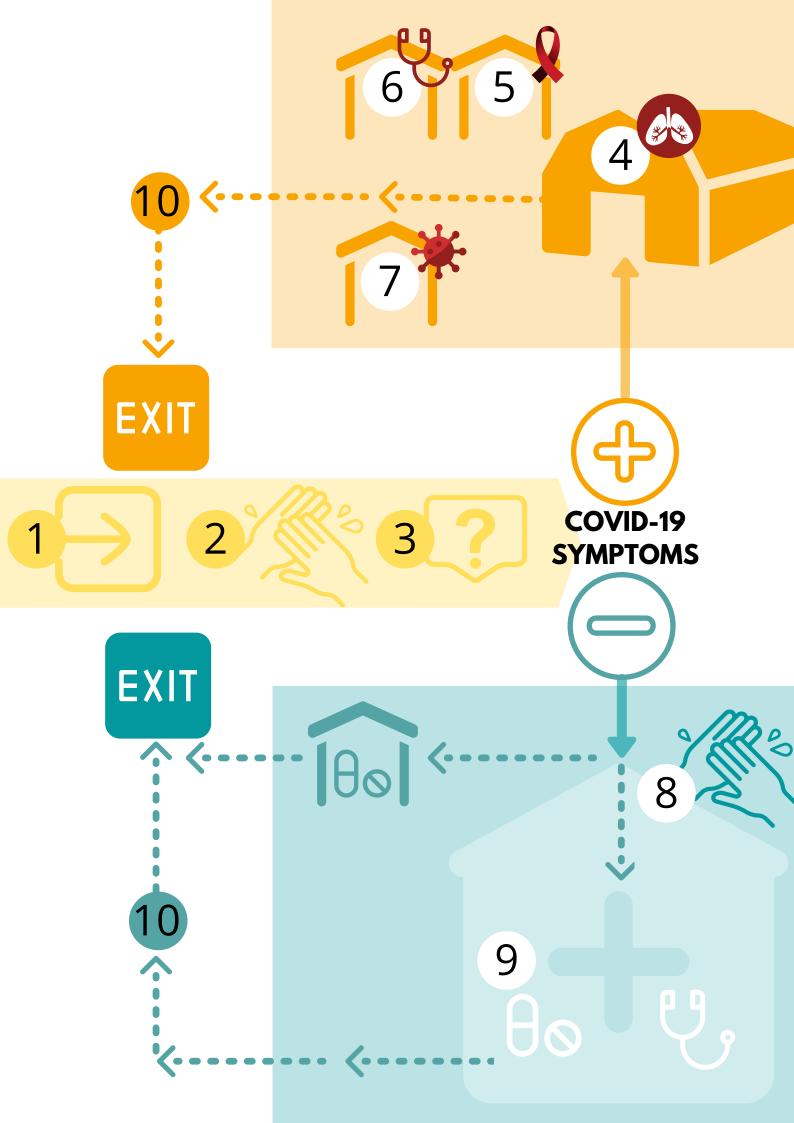
COVID-19 low risk and protected zone

FOR COVID-19 SYMPTOM NEGATIVE PATIENTS:

- **8.** Healthcare Worker **Sanitation Station** at Blue Zone entry points
- Routine primary health services for COVID symptom negative patients

Matches associated zone colour

10. Transfer and exit pathways



YELLOW ZONE

Moderate COVID-19 risk zone

- Every patient entering the facility must pass through ALL the Yellow Zone stations
- Patients with COVID-19 symptoms have not been identified or separated out yet
- Managing people outside the facility is as important as inside the facility. Risk of infection outside brings risk of infection inside
- Rapid patient flow in the Yellow Zone is vitally important to ensure that patients do not become frustrated outside the gate and stop observing social distancing
- Aim to allow attendees without COVID-19 symptoms through the Yellow Zone to the Blue Zone as quickly as possible, keeping time spent at facilities to receive health services to a minimum



1

SINGLE POINT OF ENTRY INTO FACILITY PREMISES





LOCATION

This is not into main buildings of the facility but at the gates to the premises. Patients should only be allowed to enter the facility through one gate into the facility. Patients should never be allowed to exit through the single point of entry.

It will be necessary to set up separate exit pathways from the Orange and Blue zones. The single point of entry should be located in the middle i.e. between Orange and Blue exits.

Gate Designated Official (GDO): To manage single entry point into facility – can be a security guard or lay HCW.

Queue marshals: To manage queue, ensure social distancing and explain process to patients as they wait outside the premises – can be security guard, lay HCW or volunteering community member.

APPROPRIATE
IPC AND PPE USE
FOR STAFF

GDO and queue marshals to wear **surgical mask** and **disposable apron** (one per shift) and can wear non-sterile gloves provided understanding that gloves cannot be sanitized, and similarly to hands, can transfer the virus.

GDO and queue marshals should avoid coming closer than 1.5 meters from any patient while managing the area outside the gate.

SET-UP & PROCEDURE

- Ground to be demarcated outside facility gate by yellow painted lines 1.5m apart on the ground. Lines should be painted for a long enough distance to ensure entire queue has demarcated places to stand. This can be many urban blocks
- Queue marshals to manage patients lining up in the queue outside the gate behind markings demarcated 1.5m apart on the ground.
- Queue marshals to explain to queuing patients process upon entry (see Annex 2), including:
 - the new process at the clinic is to protect you from Coronavirus infection
 - please keep your cloth mask on at all times
 - you will be screened for Coronavirus symptoms
 - please answer the questions honestly for your and everyone else's safety
 - if you do have Coronavirus symptoms, you will receive all your care and treatment in a special area of the clinic - you will not need to queue anywhere else in the facility
 - please leave the clinic through the exits indicated and not through the entrance
- GDO to work at gate ensuring patients only enter one at a time.
 The GDO must be directed by staff at the Sanitation Station and 1st Screening Station to manage patient flow
- The single point of entry should not be used by patients exiting the facility - see detail in section 10 below



PATIENT AND HEALTHCARE WORKER SANITATION STATION

LOCATION

Short distance (at least 1.5m) from single entry point, inside gate but outside facility buildings.

STAFFING

Sanitation Designated Official (SDO): To correctly sanitize patient's hands - can be a security guard or lay HCW or admin staff member.

APPROPRIATE IPC AND PPE USE FOR STAFF SDO to wear **surgical mask** and **disposable apron** (one per shift).

- They can wear non-sterile gloves provided understanding that gloves cannot be sanitized, and similarly to hands, can transfer the virus
- SDO to stay as far away from the patient as possible while sanitizing hands
- SDO to wash/sanitize hands each time they remove gloves when leaving Yellow/Orange Zone. Also wash or sanitize hands when re-entering Yellow/Orange Zone
- SDO should keep exits and re-entries to a minimum during shift

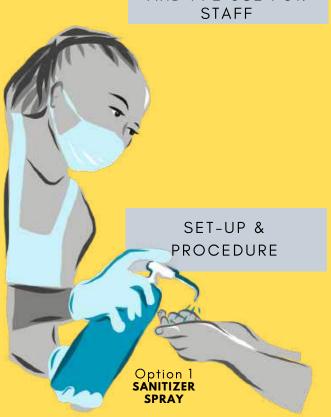
GDO must be directed by staff at the Sanitation Station and the 1st Screening Station to manage patient flow.

A space for patient to stand in at the Sanitation Station should be marked on the ground in yellow paint.

There are two adequate options for Sanitation Station set-up, detailed in order from best option to adequate option:

Sanitizer spray bottle held by SDO, not requiring a table:

- SDO sprays hand sanitizer on each patient's hands
- SDO ensures patient fully rubs sanitizer over both hands up to wrists
- SDO must not touch patient
- Patient must not touch sanitizer bottle or SDO







3

1ST SCREENING STATION

LOCATION

Within sight of the Sanitation Station, outside facility buildings. There should be sufficient space between the Sanitation Station and the 1st Screening Station to allow for some queuing for screening.



1st Screening Queue Marshal:

- To manage the queue between Sanitation Station and 1st Screening Station
- Can be a security guard, lay HCW or administrative staff member

lst Screener/s:

- To screen the patients for COVID-19 symptoms
- Can be lay HCW, enrolled nurse, nursing assistant
- Where facility has sufficient professional nurses after staffing 2nd Screening and Management Station and COVID-19 Testing Station, triage at this 1st Screening Station can be run/supervised by a professional nurse
- At higher volume facilities may need three to five 1st Screeners

APPROPRIATE IPC AND PPE USE FOR STAFF



Ist Screening Queue Marshal and Ist Screener/s to wear **surgical mask** and **disposable apron** (one per shift). They can wear non-sterile gloves provided understanding that gloves cannot be sanitized, and similarly to hands, can transfer the virus.

Ist Screening Queue Marshal and Ist Screener/s to wash/sanitize hands each time they remove gloves when leaving Yellow/Orange Zone. Also wash or sanitize hands when re-entering Yellow/Orange Zone. Should keep exits and re-entries to a minimum during shift.



SET-UP & PROCEDURE

Ground to be demarcated leading from the Sanitation Station to 1st Screening Station with lines 1.5m apart marked on the ground.

High volume facilities may need three to five sub-stations within 1st Screening Station (at least 1.5m apart). 1st Screeners must also be 1.5m from one another.

Ist Screeners will each need a chair and either a clipboard or a small folding table. They require a printed copy of the updated COVID-19 screening questions on their tables/clipboards. They may also need a screening statistics record. Any statistics form should not require named patient details as this will take too long to complete and increase pressure outside the facility premises. Names and patient details for headcount purposes will be taken in the Blue Zone (at registry) and Orange Zone (by clerk or clinician).

There must be a box in front of each 1st Screener with cloth or surgical masks for symptomatic patients who arrive without their own mask/ in adequate mask. Facilities can also consider orange and blue stickers to indicate screening complete and which zone the patient has been triaged to.

There can either be one queue from Sanitation Station to 1st Screening Station or there can be multiple lines in front of each 1st Screening Sub-station.

lst Screening Station should be under cover (if possible) to protect during periods of rain. An open-sided gazebo/tent can be used.

1st Screening Queue Marshal to:

- Ensure patient is standing 1.5 meters apart on the demarcated lines.
- Indicate to the patient when to move to marked place in front of 1st Screener.
- Not to come closer than 1.5 meters from any patient while managing queue.

1st Screener/s to:

Ask COVID-19 screening questions below (also in Annex 4). These questions may change and should be updated as per national guidance.

Where facility runs 24-hour services (see set-up detail for Emergency Department (Annex 5) and Maternal Obstetric Unit (MOU) (Annex 6)):

- Ist Screening Station remains vital, but can be moved to the entrance of the Emergency Department and MOU after-hours. A healthcare worker will come out to screen patient before entry to determine appropriate place of management.
- Symptom-positive patients must be kept separate from symptom-negative patients in Emergency and MOU Departments
- Symptom-positive patients to be attended to in isolation room within Emergency and MOU Departments



HAVE YOU HAD ANY OF THESE SYMPTOMS IN THE PAST 14 DAYS?

Cough or fever or shortness of breath or sore throat developed in past 14 days

Significant worsening of chronic cough in past 14 days OR

Sudden very obvious loss of smell or taste in past 14 days







If answer to ANY screening question is affirmative:

- Patient is strictly prohibited from entering Blue Zone or exiting through single entry point in Yellow Zone
- If patient not wearing an adequate mask: Ask patient to take cloth/surgical mask from the box
- Explain how to put it on. Ensure patient fits it correctly
- Do not fouch patient or any patient-held document
- Explain to patient that they will receive all services they have come to the clinic for in the external tented section including any treatment they were collecting
- Direct patient to 2nd Screening and Management Station in the Orange Zone
- If possible have Orange Zone runner assis:

Only if answers to ALL screening questions negative:

- Patient is cleared to enter the Blue Zone and should not enter the Orange Zone for any reason
- Ask patient which routine service they are attending in the facility (e.g. OPD, ANC, ART MCH, FP etc) and direct them accordingly
- If there is an external chronic treatment refill station, direct patient to it if they are only attending for treatment refill
- Inform patient of any services that have been closed during the COVID-19 pandemic
- Where patient decides not necessary to attend the facility today - direct patient towards Blue Zone exit

ORANGE ZONE

COVID-19 high risk zone

BLUE ZONE

COVID-19 low risk and protected zone



ORANGE EXIT

BLUE EXIT

ORANGE ZONE

High COVID-19 risk zone

- Patients with COVID-19 symptoms screened, assessed, managed and tested in this
 Zone
- All stations in Orange Zone must be cordoned off from the rest of the health facility premises
- Patients with COVID-19 symptoms triaged into the Orange Zone must not enter any other part of the facility. Healthcare workers see them in the Orange Zone and use runners to collect treatment for them
- Excellent communication and support needed by patients in the Orange Zone. They need to understand why they are receiving services in this part of the facility and that there is no need for them to go anywhere else in the facility
- All health facilities to provide COVID-19 testing in their Orange Zone to avoid need for transfer to testing site
- Patients in the Orange Zone exit directly through Orange Exit OR are transferred to isolation room in the Emergency Department OR referred to another hospital



2ND SCREENING AND MANAGEMENT STATION (ALSO CALLED TEMPORARY CHEST CLINIC)

LOCATION

The best option is to locate the 2nd Screening and Management Station in an external tent (if available and facility has external space like a parking lot). Other adequate options listed below.



2nd Screening and Management Station should be connected to 1st Screening Station directly by a cordoned pathway.

Best option

FIXED TENT OUTSIDE HEALTH FACILITY BUILDINGS

BUILDING SEPARATE FROM MAIN FACILITY

SECTION WITHIN MAIN
FACILITY BUILDIN
WHICH CAN BE
ENTERED FROM
OUTSIDE AND
SEPERATED FROM
MAIN FACILITY

A ROW OF GAZEBOS

CORDONED-OFF AREA UNDER-COVER OUTSIDE

Adequate option

STAFFING

Critical staff are:

Orange Zone Clinician:

- To further screen, assess and manage patients with COVID-19 symptoms
- Should be a primary care nurse or doctor
- At higher volume facilities may need two Orange Zone Clinicians

Runner:

- To support Orange Zone clinician and all patients in this station by helping to safely fetch what is needed from the Blue Zone and assist with patient navigation through and out of Orange Zone
 - Welcome patients, explain that they will be attended to in the Orange Zone, and will not need to move around any other part of the health facility
 - Collect patient folders, prescribed treatment from pharmacy, chronic treatment refills or blood results and bring them to the Orange Zone Clinician
 - Call clinicians from the Blue Zone to assist patients who need specialised services when requested to by the Orange Zone Clinician
 - Ensure patients stay in their allocated seats and do not enter other areas in the health facility
 - Escort patient to HIV testing (if requested by Orange Zone Clinician) and out of the facility using Orange Exit pathway
 - Disinfect seats between patients
- Two to five staff will be needed depending on patient volume

The following staff members would improve services in the Orange Zone:

Counsellor

- To counsel all Orange Zone patients on need for and procedures for home isolation
- This can be HIV testing counsellor allocated to Orange Zone

Orange Zone Cleaner:

- To disinfect Orange Zone continually
- Can be shared with Specialised Clinical Services Station and COVID-19 and TB Testing Station

Administrative Clerk:

· Where facility requires opening of files and headcount of patients seen in Orange Zone



APPROPRIATE IPC AND PPE USE FOR STAFF



ORANGE ZONE CLINICIAN SHOULD DISCARD NON-STERILE GLOVES

SANITIZE HANDS BETWEEN EVERY PATIENT INTERACTION

SET-UP & PROCEDURE

All staff in 2nd Screening and Management Station to wear surgical mask and disposable apron (one per shift) and can wear non-sterile gloves provided understanding that gloves cannot be sanitized, and similarly to hands, can transfer the virus.

Cleaners and Orange Zone Clinician to wear goggles/visor. Goggles/visor to be disinfected per shift.

Staff other than Orange Zone Clinician and HIV tester to discard gloves when leaving Yellow/Orange Zone or at end of shift.

Orange Zone Clinician and HIV tester should discard nonsterile gloves and sanitize hands between each patient interaction

WAITING AREA

- Chairs in waiting area must be placed 1.5m apart with paint/tape on the floor demarcating spacing
- Patients must not move between chairs in waiting area but stay on one allocated to them on arrival. Facilities can consider a patient collecting a chair on arrival in the Orange Zone, using the same chair through all stations and dropping it off near Orange Exit for disinfection (after which it moves back to the chair pick-up area)



GAZEBO/ROOM NEXT TO WAITING AREA OF 2ND SCREENING AND MANAGEMENT STATION CORDONED OFF CUBICLE
WITHIN 2ND SCREENING
AND MANAGEMENT
STATION TENT

Adequate option

SCREENED OFF DESK
AT LEAST 2M FROM

WAITING AREA

CHAIRS

ORANGE ZONE CLINICIAN CONSULTING AREA

- Requires table, two chairs and all necessary equipment (listed in Annex 1) at hand, including pulse oximeter, thermometer, manual BP cuff and glucometer
- Prescribed treatment to be fetched by runner from pharmacy for patients AND/OR
 - have a box of commonly used drugs available in consulting area
- Orange Zone Clinician should have a temporary file or form to complete management plan (example in Annex 14)
- Copies of relevant forms that might be required by Orange Zone Clinician should be on hand - importantly NHLS TB GeneXpert request (N1 form)



FIVE STEP SCREENING, ASSESSMENT & MANAGEMENT APPROACH

Step 1: Assess **severity** of symptoms → if needed

Emergency Department/hospital referral

Step 2: Determine need for COVID-19 testing using

current PUI definition

Step 3: Provide **counselling** on home isolation and patient information leaflet

Step 4: Establish HIV status to determine TB risk ---->if

needed conduct HIV test and collect TB sputum

Step 5: Address reason for clinic attendance (including collection of treatment)

PATIENT MANAGEMENT

The Orange Zone Clinician should make use of the Clinical Algorithm (see overleaf) to guide clinical decision-making and to manage patient comprehensively with the following support:

- Using the runner to collect anything needed from the Blue Zone (treatment, files or laboratory results etc) without the patient moving from the Orange Zone
- Scripting treatment for acute illness and using runner to collect treatment from the pharmacy
- Scripting and/or using runner to collect chronic/ART treatment from chronic services (could be external refill station)
- If the Orange Zone Clinician does not have the appropriate skill set, a runner should be used to call a specialised clinician from Blue Zone (ante-natal nurse, dentist or ART prescriber) to attend to the patient in the Specialized Clinical Service Station (in the Orange Zone)
- If HIV status unknown or untested in past 12 months refer to HIV Testing Station located in the Orange Zone for testing
- Where COVID-19 or TB testing is indicated refer to Orange Zone COVID-19 and TB Testing Station to attend
 last before patient exits facility

PATIENT COUNSELLING

- All Orange Zone patients must be educated on the crucial need for isolation for 14 days
- Either a counsellor or runner should educate patients on Orange Zone procedures, isolation requirements and test results communication (detailed education in Annex 7)

CLEANING

- 2nd Screening and Management Station should be cleaned at a minimum, every three hours
- All chairs must be disinfected between use by patients no patient should sit on chair that has not been disinfected
- Disinfect all hard surfaces, including chairs and surrounding floor area with disinfectant (can use bleach/water solution see Annex 3)
- All waste from Orange Zone stations discarded as medical waste
- Detergent or disinfectant solutions should be safely discarded at disposal point

5 STEP SCREENING ASSESSMENT & MANAGEMENT APPROACH CLINICAL ALGORITHM



ASSESS SEVERITY OF SYMPTOMS

- 1. Temperature (infrared thermometer)
- 2. Oxygen sats and pulse (mobile sats machine)
- 3. Respiratory rate



If CHC:

Refer directly to Emergency Department (see specific guidance in Annex 5 & 6). Testing to be managed by Emergency Department



If PHC:

Refer directly to patient transport for hospital

Severe symptoms:

Over 55 years OR obese OR co-morbidity
Sats ≤93%* AND/OR respiratory rate>25
Under 55 years without obesity/co-morbidity
Sats<92* AND/OR respiratory rate>30

*Fingertip reading in cold weather (especially outside) can provide false low oxygen saturation. Fingertip should be placed under armpit for at least 2 minutes to warm up before attaching oximeter and taking reading.

- 1. Provide oxygen if available
- 2. Refer immediately
- 3. Do not continue screening process

\rightarrow

Otherwise mild or moderate symptoms:

2

1

USE NICD CONTINUALLY UPDATED PUI CRITERIA TO ESTABLISH NEED FOR COVID-19 TESTING

At 2 April 2020: Acute onset of cough OR fever OR shortness of breath OR sore throat







If screened positive, COVID-19 testing and isolation indicated:

- 1. Educate about:
 - Testing procedure
 - Result communication
 - Immediate requirement to isolate until the earlier of i) negative test result received or ii) 14 days from symptom onset
- 2. Provide patient information leaflet
- 3. Refer to COVID-19 and TB Testing Station

If screened negative, isolation may still be indicated at the discretion of the clinician:

- 1. Educate about need to isolate for 14 days from symptom onset
- 2. Provide patient information leaflet





COVID-19 or TB Test referral made?



For chronic/ART management:

Script and send for collection of refill from chronic services from Blue Zone by runner



For acute management:

- Comprehensively manage patient Send for any
- required collection of all files, scripted treatment or laboratory results from Blue Zone by runner



For **specialized** clinical service

that Orange Zone Clinician cannot provide:

Call for clinician from Blue Zone to see patient in Orange Zone



If for reasons other than COVID-19 symptoms

If ONLY for COVID-19 symptoms







If not immediately necessary, postpone for return in 14 days when no longer symptomatic





If HIV status unknown/ untested in last 12 months*:

- Offer HIV testing
- Refer for HIV rapid test at HIV Testing Station

*Clinician discretion for more regular testing based on risk



- Paracetamol 1g qid 5/7
- Amoxicillin 500mg qid
- Complete NHLS N1 form for TB
- Refer to COVID-19 and TB Testing Station for TB sputum



 If TB symptoms for more than 2 week or close contact with TB patient, refer to COVID-19 and TB Testing Station for TB sputum

Advise patient to call facility if:

- Symptoms persist for another 7 days
- Significant clinical deterioration (unable to perform normal ADLs without becoming breathless)









hiv testing station

LOCATION

Inside Orange Zone, easily accessible from 2nd Screening and Management Station.

STAFFING

HIV test provider: Trained lay healthcare worker.

APPROPRIATE IPC AND PPE USE FOR STAFF

HIV test provider to wear **surgical mask** and **disposable apron** (one per shift). **Non-sterile gloves** to be changed between every patient tested.

Hard surfaces (table, patient chair) in HIV Testing Station to be disinfected between every patient by HIV Test Provider.

SET-UP & PROCEDURE

Requires separate gazebo with privacy, a small table, two chairs and all HIV testing equipment.



HIV test provider to carry out HIV test for all patients referred by Orange Zone Clinician from 2nd Screening and Management Station. HIV self-screening not recommended for the Orange Zone.

HIV test provider to record HIV test result for Orange Zone Clinician. Patient needs to return to waiting area with runner or HIV test provider. They should be directed to return to their seat in the waiting area. Orange Zone Clinician to review result and decide further management including whether TB test indicated.



SPECIALIZED CLINICAL SERVICE STATION

LOCATION

Inside Orange Zone, easily accessible from 2nd Screening and Management Station. Ideally positioned alongside main tent.

STAFFING

No permanent staffing. Used by specialized clinicians from the Blue Zone to see patients for any clinical service that cannot be provided by Orange Zone Clinician. This might include the dentist, ante-natal or ART nurse.

APPROPRIATE IPC AND PPE USE FOR STAFF

Specialized clinician to wear **surgical mask** (one per shift), **disposable apron** (to discard when leaving Orange Zone in facility or one per shift), **goggles/visor** (disinfected when leaving Orange Zone) and **non-sterile gloves** to be changed between every patient examined

SET-UP & PROCEDURE

Requires separate gazebo with privacy, an examination bed and two chairs.

Hard surfaces (examination bed) in Specialized Clinical Service Station to be disinfected between every patient.



COVID-19 & TB TESTING STATION

LOCATION

Easily accessible from 2nd Screening and Management Station, but at **least 5m from any other station**.

THIS MUST BE THE LAST STATION BEFORE EXITING THE FACILITY THROUGH THE ORANGE EXIT

STAFFING

Testing Clinician:

- Professional nurse or doctor
- Can be the same person as the Orange Zone Clinician in very low volume facility

Form Completers:

- To complete all the forms (see below) to ensure that PUIs and their contacts can be reached should their results confirm COVID-19 infection
- One to four lay HCWs or admin clerks per tester depending on volume

Orange Zone Cleaner:

 Can be shared with 2nd Screening & Management Station and HIV Testing Station

APPROPRIATE IPC AND PPE USE FOR STAFF

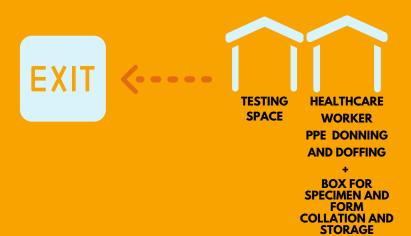
Testing Clinician:

- N95 mask, goggles/visor, non-sterile gloves and disposable gown with plastic apron over gown
- Change N95 mask and disposable gown after every shift
- Disinfect visor frequently
- Change gloves and plastic apron between each patient
- Wash/sanitize hands between every patient

Orange Zone Cleaner:

Guidelines listed above in 2nd Screening & Management Section

An area for donning and doffing of PPE for healthcare workers is described in Set-up and Procedure section below









► Adequate option

SEPARATE
WELL-VENTILATED
TENT/GAZEBO
(AT LEAST 2 OPEN SIDES)

OPEN AIR CORDONED-OFF EXTERNAL SPACE

SET-UP & PROCEDURE

TESTING SPACE

Requires well-ventilated space either a chair outside or in gazebo (should have at least two sides/walls open) for carrying out COVID-19 test and/or producing sputum.

Must be more than 5m away from any other station or facility building. If 2nd Screening and Management Station is in a building, the COVID-19 and TB Testing Station must be outside facility building.

Outside testing space or in an attached gazebo:

- PPE supply and donning and doffing space required
- Table
- Box of collated specimens and requisite forms for laboratory collection required

FORM COMPLETION SPACE

- Separate space for specimen form completion. Ideally this should be under cover of gazebo/ tent or parking shade with a set of a single table and chair per Form Completer
- Form Completers must be seated at least 1.5m from any other person in all directions with lines marked in front of their table for patients to stand 1.5m apart while waiting their turn
- Boxes of blank forms that require completion should be located in between tables. See Annex 8 for current forms requiring completion per test





PATIENT MANAGEMENT

- Patients that Orange Zone Clinician sends for COVID-19 testing or TB sputum should be directed to 1.5m apart demarcated gueue for the COVID-19 and TB Testing Station after form completion
- COVID-19 and TB testing should be the last stop for patients before exiting through the Orange Exit
- Testing Clinician to fetch completed forms when ready to test next patient. Forms should not be given to patient but transferred from Form Completers to Testing Clinician
- Where Orange Zone Clinician has indicated a TB sputum needs to be taken, this can either be taken in Testing Station or appropriate open space away from all staff and other patients
- Testing Clinician should take a specimen for COVID-19 testing (see detailed testing procedure in **Annex 9**) in the following order, based on best sensitivity:
 - Sputum (if patient has a productive cough)
 - Nasopharyngeal swab
 - Oropharyngeal swab
- Once testing is completed, patient must be shown directly to the Orange Exit by runner

SPECIMEN SUBMISSION TO LABORATORY

- Send TB sputum sample with a runner to the TB section in facility for registration and submission to laboratory
- Collate COVID-19 specimen with requisite forms in box. Where the specimen is a dry swab it need not be kept on ice but at room temperature
- COVID-19 specimens to be collected by courier and sent to laboratory preferably on the same day but if not possible, can be sent the next day

CLEANING PROCEDURE

- Disinfect all hard surfaces, including chairs and surrounding floor area with disinfectant (can use bleach/water solution see Annex 3) minimum three hourly (in addition to Testing Clinician disinfecting Testing Station between patients)
- Ensure Testing Clinician has supply of cleaning materials to disinfect area, visor and sanitize hands
- Disinfect all hard surfaces, including chairs and surrounding floor area with disinfectant (can use bleach/water solution see Annex 3) between each patient
- Manage waste

BLUE ZONE

Low COVID-19 risk + protected zone



- Patients without COVID-19 symptoms are triaged into the Blue Zone.
 Remember they may be asymptomatic and still pose an infection risk
- Patients sent to Blue Zone are strictly prohibited from entering the Orange Zone
- All routine services in facility building fall inside the Blue Zone, including:
 - registry
 - vitals station
 - outpatients department
 - o ante-natal services
 - family planning services
 - o mother and child services
 - o chronic care services including ART services
 - HIV testing services
 - o TB services
 - o emergency department
 - o maternal and obstetric unit
 - dentistry
 - ophthalmology
 - o other routine health services
- Strict social distancing (in queue and seated waiting areas) must be enforced
- Facility interior must be disinfected at least three hourly
- Patients must leave through Blue Zone Exit



SANITATION STATION AT ENTRY INTO BLUE ZONE FOR HEALTHCARE WORKERS

LOCATION

At entrances into facility building, and thresholds between Zones. Especially important where healthcare workers enter the Blue Zone from either the Yellow or Orange Zones.

STAFFING

Sanitation stations for healthcare workers are not staffed.

SET-UP & PROCEDURE

Set up up a table or utilize existing surface for sanitizer bottle or bleach/water concentration container. Also locate a bin for doffing any required PPE.

All Blue Zone Sanitation Stations to be maintained and disinfected at least three hourly by Blue Zone Cleaner/s.



ROUTINE SERVICES FOR COVID-19 SYMPTOM NEGATIVE PATIENTS

STAFFING

Queue marshals can help to enforce social distancing management in waiting areas and queues. All healthcare workers working in these areas should also be actively involved in managing social distancing by patients and other healthcare workers at all times.



For current guidelines see **Annex 12.**

- Healthcare worker staff coming within 1 metre of patients: Surgical mask (or if not sufficient cloth mask plus visor) and hand sanitize/wash regularly
- Healthcare worker staff and other facility staff not coming within 1 metre of patients: Cloth mask and hand sanitize/wash regularly
- Staff providing care during the second stage of labour in a Maternal Obstetric Unit (MOU) must wear a surgical mask, disposable apron, non-sterile gloves (for each delivery) and goggles/visor



All surfaces in Blue Zone to be disinfected twice daily (see **Annex 10**).

Blue Zone Cleaners to wear surgical mask, non-sterile gloves, disposable apron (one per shift) and goggles/visor. Goggles/visor to be disinfected per shift.





66 Wherever possible, reduce the number of service points that patients need to visit and reduce amount of **time spent** at the facility

SET-UP & **PROCEDURE**

PATIENT PROCEDURE

At all places where patients are required to queue, patient seating or standing to be marked to ensure 1.5m social distancing while waiting. This should be managed by queue marshals and all staff working in area to ensure patient compliance.

To avoid patients moving many seats while attending the facility, patients should not move seats in the queue. Facilities should implement and use numbering system to call the patient from their

All patients in the Blue Zone should have their oxygen saturations taken as part of vital signs. Any patients with Sats \leq 96% should immediately be referred to the Orange Zone for further management. The healthcare worker in the vitals station should disinfect both the medical equipment and any surface touched between every patient.

Where any attending clinician in the Blue Zone determines that a patient may have misunderstood/failed to report a COVID-19 symptom at the 1st Screening Station, the patient should be immediately referred to the Orange Zone.

Where patient coming for chronic treatment/ART refill only:

- implement fast-track system
- stop all group interaction with and between patients (e.g. adherence clubs). Manage one at a time
- consider setting up chronic treatment refill station outside main facility building but still in the Blue Zone (see NDOH "Response to reduce risk among HIV and TB patients within the context of the COVID-19 pandemic: The South African response to COVID-19")

CLEANING PROCEDURE

- Adherence to cleaning protocols extremely important (see **Annex**
- All floors, hard surfaces including examination beds, desks, chairs and medical equipment to be disinfected frequently. Please note hand sanitizer cannot be used for this purpose. It will be ineffective. Correct disinfectant concentrations are required (see Annex 3 and 10)
- Discard all PPE as clinical waste
- Discard detergent or disinfectant solutions safely at disposal point





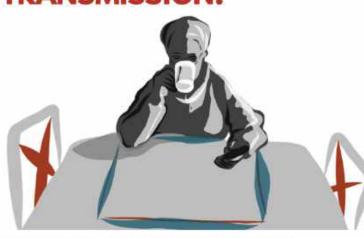






STAFF TEA ROOM

UNMANAGED TEA ROOMS A MAJOR RISK FOR COVID-19 TRANSMISSION!



LIMIT NUMBER OF STAFF IN TEA ROOM AT ONE TIME

DO NOT SHARE FOOD, UTENSILS OR TABLE SPACES

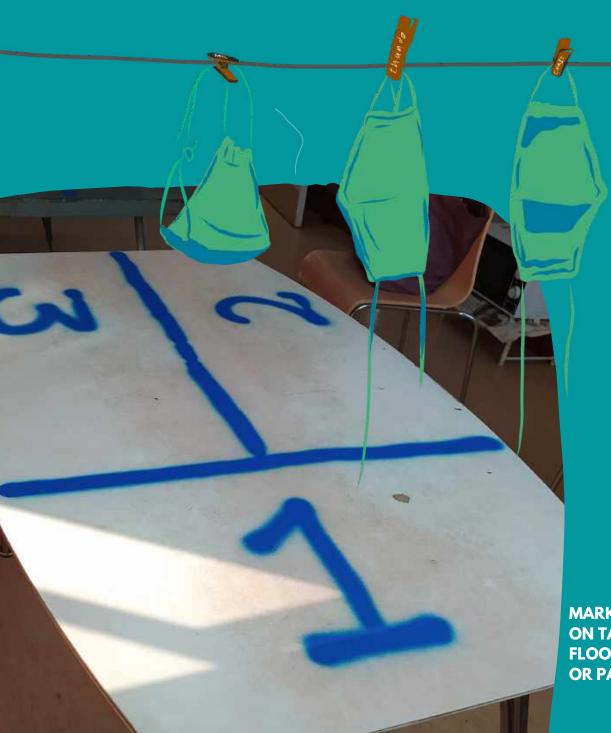
DISINFECT YOUR TABLE SPACE AND CHAIR (AND ANYTHING ELSE TOUCHED IN TEAROOM) BEFORE AND AFTER USE

HANG MASKS UP ON A LINE WITH DESIGNATED, LABLED PEGS WHILE EATING/ DRINKING- DO NOT PUT MASKS ON SURFACES/ TABLES



STAFF TEA AND LUNCH PROCEDURES

- It is critical for staff to observe social distancing from each other at all times while at work including during tea and lunch times
- Tea and lunch times must be staggered to reduce the number of staff utilizing the staff kitchen at any one time
- Depending on kitchen size, the total number of staff allowed at any one time must be indicated on the door with strict adherence to maximum number of staff
- Clear markings must be made on the floor and tables to indicate where seats are to be placed and the specific area of the table allocated to the specific staff member for their tea/lunch
- A washing line with pegs should be set up. Each staff member should attach their mask to a numbered/named peg by the tie on mask while it has been removed for eating/drinking. Masks should not be stored on kitchen surfaces or under a staff members chin or in their pocket
- The surface area used by the staff member should be disinfected after use



MARK OUT SPACES ON TABLES AND FLOOR USING TAPE OR PAINT

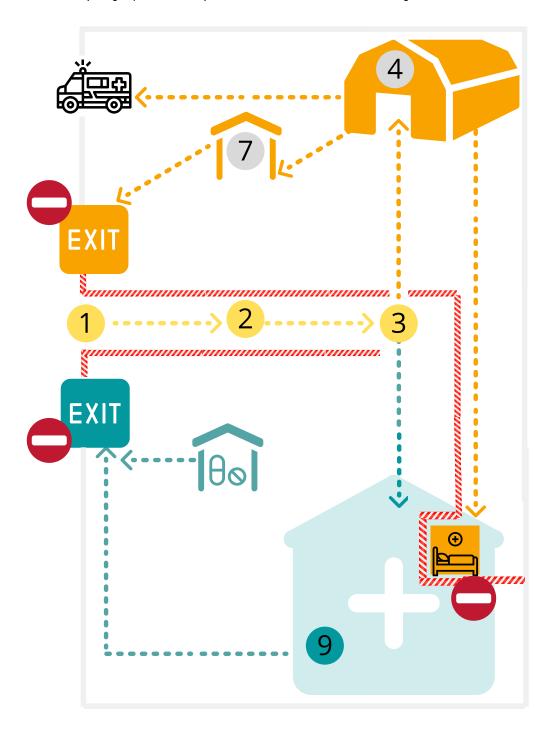


TRANSFER AND EXIT PATHWAYS

Pathways are marked in the diagram:

- Yellow pathways lead between Yellow Zone stations (1. Single entry point, 2. Sanitation Station, 3. 1st Screening Station)
- Orange pathways lead from 2nd Screening and Management Station and COVID-19 and TB Testing Station to Orange Exit
- Orange pathways also lead from 2nd Screening and Management station to the Orange Isolation Room in the Emergency Department and to patient transport Orange pathways
- Blue Pathways lead through Blue Zone and to Blue Exit

Ideally single point of entry should be located between Orange and Blue Exits.



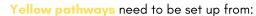
STAFFING

SET-UP & PROCEDURE

Staffing of pathways and exits are not essential, but helpful if additional staffing is available, to make sure patients use pathways correctly and maintain social distancing.

The colours of station transfer pathways, exit pathways and exits match the colour of the Zone that they are associated with.

- Pathways should be marked on the ground by arrows in the correct colour (yellow, orange or blue)
- Hazard tape should be used to block off areas that patients should not enter
- Block off and mark prohibited doors and gates with no entry with no entry signs
- Hazard tape can also be used to create corridors of onedirectional movement



- Single point of entry to Sanitation Station
- Sanitation Station to 1st Screening Station

Orange pathways need to be set up from:

- 1st Screening Station to 2nd Screening and Management Station
- 2nd Screening and Management Station to:
 - COVID-19 and TB Testing Station
 - Patient transport
 - Emergency Department (Orange Isolation Room)
 - Orange Exit
- COVID-19 and TB Testing Station to Orange Exit

Blue pathways need to be set up from:

- 1st Screening Station to registry or external chronic refill station
- From registry to various clinical services
- Also use Blue Pathways to create corridors of one-directional movement through the health facility building in the Blue Zone







OTHER FACILITY SET-UP AND PLANNING

COVID-19 EMERGENCY MANAGEMENT FACILITY COMMITTEE

- Every facility to set up a COVID-19 emergency management facility committee (EMR facility committee) and must include facility manager, lead clinician, lay healthcare worker supervisors and head of security
- EMR facility committee responsible for managing facility readiness for COVID-19 immediately
- Meet daily until set up and running appropriately
- Liaise with sub-district for support required and report weekly in writing to sub-district

COVID-19 RESULT MANAGEMENT

- It is necessary to determine the existing result management process including communication of both positive and negative results to patients tested at the facility, management and support of positive cases and tracing of the contacts of positive cases
- Where a system of centralized district management has not been set up or is not functioning adequately, it may be necessary to set up the result management system at the facility
- Facility management of test results requires a register to be kept at the COVID-19 and TB testing station for logging patient details, the clinician who requested the test and the bar code from the NHLS specimen form
- The clinician (possibly supported by others at the facility) will then be required to follow-up the results of all patients tested and communicate the results to the patient. When a positive is identified, the clinician will need to inform the appropriate person at the sub-district to activate the tracing team to provide management and support of positive cases and tracing of the contacts of positive cases
- See detailed example SOP in Annex 14

HEALTHWORKER OCCUPATIONAL HEALTH AND SAFETY

- All healthcare workers should self-screen for COVID-19 symptoms (see Annex 4) before coming to work. If symptomatic, should report to line manager, remain at home, self-isolate and arrange for a COVID-19 test
- In addition, healthcare worker symptom screening should also be set up when staff sign in at the attendance register. If symptomatic, should report to line manager, get a COVID-19 test at the facility and return home to self-isolate
- Occupational exposure procedures should be communicated to staff before an exposure takes place and managed in accordance with https://www.nicd.ac.za/wpcontent/uploads/2020/04/Guidance-for-symptom-monitoring-and-management-of-essential-staffwith-COVID-19-related-illness-final-2.pdf
- Only high risk exposures (contact within 1 metre of a confirmed COVID-19 case for more than 15 minutes **without the appropriate PPE**) warrant self-quarantine and COVID-19 testing on day 8 following exposure with return to work at the earlier of i) negative result ii) 14 days from exposure without symptoms.



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Ms Wilkinson is a public health specialist with an MSc in Public Health from University College London. Her specific expertise is in differentiated service delivery for both HIV and TB patients. She has set up and run HIV programmes in rural and urban South Africa since 2005, including MSF's flagship Khayelitsha HIV and DR-TB project. She currently provides technical guidance on differentiated service delivery to sub-Saharan African country governments, global and local partners through the International AIDS Society differentiated service delivery initiative. She is an honorary researcher at the Centre for Infectious Epidemiology and Research at the University of Cape Town and World Health Organization HIV Testing Service Delivery and the South African National Differentiated Service Delivery Technical Working Groups. She also provided emergency response support to the Ebola outbreak in Sierra Leone in 2014/15, specifically setting up, managing holding centres and case management flow.

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Dr Boyles is an infectious diseases sub-specialist currently employed at Helen Joseph Hospital, Johannesburg. He is a researcher at the University of the Witwatersrand and an Associate Professor at the London School of Hygiene and Tropical Medicine. He is the past President of the Infectious Diseases Society of Southern Africa (IDSSA) and lead author of the society guidelines for both acute meningitis and community acquired pneumonia. Dr Boyles spent three months as a front-line responder to the Ebola outbreak in Sierra Leone in 2014/15.

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Prof Moosa is a family physician with an MBA and PhD. He is an Associate Professor in the Department of Family Medicine at the University of Witwatersrand. He has extensive experience in rural general practice and the development of family medicine and primary care services in both rural and urban district health services in South Africa and Africa. He project-managed the development of District Departments of Family Medicine across Gauteng and led the Department of Family Medicine in Johannesburg Health District from 2006 to 2011, completing an MBA in that time with research on GP contracting for National Health Insurance (NHI) in South Africa. Prof Moosa is deeply involved in development and research around family medicine and community-oriented primary health care (COPC) in Africa. In 2018 he was tasked by National Treasury to design NHI contracting for GPs to test for feasibility.

DR MADELEINE MULLER

Dr Muller qualified in medicine from the University of Pretoria in 1995. In 2009 she joined the NGO Beyond Zero and in 2010 was awarded a Certificate of Special Merit by Rural Doctors of South Africa for work in mentoring PHC clinics in rural Eastern Cape. She has created and implemented a part-time adaptations of the WRHI Advanced HIV and TB course in the Eastern Cape and Limpopo. In 2017 she joined Nkqubela TB hospital and has been mentoring and supporting the creation of the Butterworth Gateway outreach decentralised DRTB site.

PROF RICHARD COOKE

Adjunct Prof Cooke is the Academic Head of Department of Family Medicine and Primary Care at the Faculty of Health Sciences, University of the Witwatersrand (Wits). He is the Director of the Faculty's Centre for Rural Health. After an early career in finance and project management, Professor Cooke switched to Medicine, qualifying as a specialist Family Physician. He forged a passion for primary and rural health care during an 8-year stint as the Clinical Manager of Madwaleni Hospital in the Eastern Cape. Joining Wits in 2011, he chairs the Clinical Medical Students Curriculum Review Committee, as well as tasked with the directorship of the Wits Nelson Mandela Fidel Castro (NMFC) Collaboration Programme. Prof Cooke is an examiner for the Fellowship of the College of Family Physicians (FCFP) within the Colleges of Medicine of South Africa. He is a member of the NMFC National Curriculum Working Group, and serves on the NMFC Ministerial Task Team. He is a Director of the Hospice Palliative Care Association of South Africa.



FACILITY EQUIPMENT LIST

PPE

ltem	Station
N95 masks	COVID-19 and TB Testing Station, TB department, Maternal and Obstetric Unit (MOU)
Disposable gowns	COVID-19 and TB Testing Station, Maternal and Obstetric Unit (MOU), cleaners
Visors	COVID-19 and TB Testing Station, 2nd Screening and Management Station, Maternal and Obstetric Unit (MOU), cleaners
Surgical masks	All healthcare worker staff (including WBOTs) in following order of priority: Orange, Yellow and then Blue Zone
Non-sterile gloves	
Disposable aprons	
Cloth masks	Patients screening positive with COVID-19 symptoms

PRINTING

Item	Station
Self-isolation patient information leaflet	2nd Screening and Management Station
NHLS PHC request form N1	COVID-19/TB testing station
COVID-19 contact line list	
1st Screening statistic collection forms	1st Screening Station
Orange Zone clinical assessment form	2nd Screening and Management Station

SANITIZER/DISINFECTANT

Item	Station
Hand sanitizer	All zones
Disinfectant/Bleach	The second

EQUIPMENT

Item	Station	
Large fixed tent	2nd Screening and Management Station	
Large Gazebo	Orange Form Completion and Orange Isolation for ambulance	
Small Gazebo	HIV Testing Station/ COVID-19 and TB Testing Station/ Orange PPE doffing and donning/ Specialised Clinical Services Station	
Plastic chairs	Yellow screening and all stations in Orange Zone plus patient seating	
Single plastic fold up tables	Yellow sanitation table/Yellow screening/Orange form completion/Orange testing	
Larger plastic fold up tables	Orange Zone Clinician/ PPE donning and doffing tent	
Mobile, good-quality pulse eximeters	Orange Zone Clinician	
Batteries for oximeters		
Infrared thermometers		
Batteries for thermometers		
Manual BP cuff		
Glucometer		
Water container with tap	Yellow Sanitation Station table/ 2nd Screening and Management Station/ HIV Testing Station/ COVID-19 and TB Testing Station/ Orange toilet	
Shade cloth	1011 W 2711 100 1 11 17 100 2 17 11 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Rope	External patient waiting areas	
3 folding patient screen	Orange Zone Clinician	
Clipboards	All areas	
Yellow road paint	Marking all areas in Yellow Zone including outside the clinic	
Orange road paint	Marking all areas in Orange Zone	
Blue road paint	Marking all areas in Blue Zone	

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FACILITY EQUIPMENT LIST

EQUIPMENT

Item	Station	
Portable toilets	For Orange Zone	
Tape	For marking bucket seats in Blue Zone	
Masking tape	For marking benches in Blue Zone	
Prestik	For putting up posters in all areas	
Cable fies		
Hole punches		
Cooler box	COVID-19 and TB Testing Station	
Paint brushes	Mark all areas	
8-10cm paint rollers		
Round small stickers-Orange	Triage at screening station	
Round small stickers-Blue		
Blue pens	Orange Zone	
Loudspeakers	Outside of health facility	
Batteries for loudspeaker	1. T. C.	
Cordoning tape (danger)	Mark entire facility outside and inside	
Big plastic bins	Orange Zone	
Laminated posters	For all Zones	
Oxygen concentrator	Orange isolation tent	
Examining bed		
Oxygen mask and tubing		
Extension cord		

PAGE 33 ANNEX 2



INFORMATION TO BE PROVIDED TO PATIENTS QUEUING TO ENTER THE FACILITY PREMISES

It is essential to provide patients queuing to enter the facility with a detailed understanding of the process upon entering the facility to ensure better compliance and appropriate answering of screening questions.

- 1. Please keep your cloth mask on at all times.
- 2. Please stand on lines painted on the ground or on the chairs or benches outside facility and inside facility to comply with social distancing measures.
- 3. There is a new process set up at the clinic to protect you from Coronavirus infection and to support you if you do have Coronavirus.
- 4. Upon entering the facility, you will be asked to properly sanitize your hands. Please put all things in your hands away to ensure you can clean your hands adequately.
- 5. You will be screened for any possible Coronavirus symptoms. If you have symptoms, this does not mean you have Coronavirus you may have common cold or flu or TB or some other illness. Please answer the questions honestly for your and everyone else's safety.
- 6. If you do have Coronavirus symptoms, you will be directed to a special new area of the clinic you will receive all the care and treatment you need in this special area including chronic treatment or consultation with doctor or dentist or other clinician. You will not need to queue anywhere else in the facility.
- 7. When you leave the facility, you will not leave through the entrance, you will be directed to the correct exit. Please only use the correct exit.

ANNEX 3 PAGE 34



WATER/BLEACH SOLUTION AND SET-UP

WATER/BLEACH CONCENTRATIONS FOR HANDWASHING AND DISINFECTING SURFACES (SEE ALSO ANNEX 10)

Using Econo Bleach brand (3.5% Sodium Hypochlorite):

Hand washing/ukuhlamba izandla

15ml bleach per 1 litre water = 0.05% Sodium Hypochlorite 300ml bleach + 19.7 litres water = 20 litres (first pour in bleach into bucket then add water up to the 20 litre mark)

Disinfecting surfaces/ukucoca iitafile

30ml bleach per 1 litre water = 0.1% Sodium Hypochlorite solution 600ml bleach + 19.4 litres water = 20 litres (first pour in bleach into bucket then add water up to the 20 litre mark)



Examples of water container with tap



PAGE 35 ANNEX 4



COVID-19 SYMPTOM SCREEN

HAVE YOU HAD ANY OF THESE SYMPTOMS IN THE PAST 14 DAYS?

Cough or fever or shortness of breath or sore throat developed in past 14 days

OR

Significant worsening of chronic cough in past 14 days

OR

Sudden very obvious **loss of smell or taste** in past 14 days

If answer to ANY screening question is affirmative

POSITIVE SCREEN
DIRECT TO ORANGE ZONE

Only if answers to screening questions ALL negative

=

NEGATIVE SCREEN
DIRECT TO BLUE ZONE (ROUTINE SERVICES)

ANNEX 5 PAGE 36

EMERGENCY DEPARTMENT

LOCATION

Isolation room within emergency department or repurposed room close to emergency department. Ideally should have its own toilet. Alternatively an isolation tent in the orange zone provided set up with examination bed and oxygen.

STAFFING

Doctor/ Nurse:

- Clinician working in emergency department
- If more than 1, designate a single person to care for COVID-19 symptomatic patients

STATION SET-UP

- Screening point marked at entry into emergency department building for patients to wait to be screened before entering emergency department
- Isolation room must have examination bed, oxygen supply, either from the wall or using a cylinder

APPROPRIATE IPC AND PPE USE FOR STAFF

- Doctor and nurse to wear **surgical mask**, **goggles or eye visor**, non-sterile **gloves** and **disposable gown**
- Must change gloves and apron between each patient
- Disinfect station between every patient

STATION PROCEDURE

- All patients arriving at emergency department must be screened before entry. Those with COVID-19 symptoms cannot enter main emergency department area, must be taken to isolation room
- Patients with COVID-19 symptoms will either be fully managed at the emergency department until discharge home to self-isolation or managed until patient transport arrives to take to referral hospital
- Patients require full assessment by doctor beginning with history, examination and vital signs
- Patients likely to require blood tests, ECG and chest X-ray
- Patient may require COVID-19 testing (where possible co-ordinate with Testing station at facility)
- Guideline for the management of patients with severe symptoms of COVID-19 are available:
 - https://www.nicd.ac.za/wp-content/uploads/2020/05/Clinical-management-of-suspected-or-confirmed-COVID-19-Version-4.pdf



PAGE 37 ANNEX 6



MATERNAL AND OBSTETRIC UNITS

LOCATION

- Isolation room within MOU
- Ideally should have its own toilet and shower

STAFFING

Midwife:

• Designate one midwife per shift to care for women with symptoms of COVID-19

STATION SET-UP

- Screening point marked at entry into MOU for patients to wait to be screened by midwife before entering
- Isolation room must have delivery bed, oxygen supply, either from the wall or using a cylinder

APPROPRIATE IPC AND PPE USE FOR STAFF

- Midwife working in isolation delivery room to wear N95 mask, disposable gown, non-sterile gloves and goggles/visor
- All staff providing care during the second stage of labour for patients without COVID-19 symptoms to wear surgical mask, disposable apron, non-sterile gloves and goggles/visor
- Staff to change all PPE between each patient except goggles/visor which should be disinfected
- Disinfect station between every patient

STATION PROCEDURE

- Standard MOU care to be delivered by midwife
- Any woman with severe COVID-19 to be transferred to hospital at the earliest opportunity
- Women to leave facility by Orange exit once discharged

PATIENT INFORMATION SHEET FOR USE FOR ANYONE WITH COVID-19 SYMPTOMS



https://sacoronavirus.co.za/2020/03/27/tested-positive-for-covid-19-or-someone-in-your-home-has-read-this

Isolate at home until you receive a negative test result or for 14 daysThis is for people who have been tested or not tested who the clinician informs should isolate at home (during your consultation with the clinician)

You have been assessed as being medically well enough to be managed at home. However, please consider yourself as potentially infectious to other people. You will need to abide by the following:

- You should isolate yourself at home. Don't go to work, avoid unnecessary travel, and as far as possible avoid close interactions with other people
- You should clean your hands with soap and water frequently. Alcoholbased sanitizers may also be used, provided they contain at least 60% alcohol
- Do not have visitors in your home. Only those who live in your home should be allowed to stay. If it is urgent to speak to someone who is not a member of your household, do this over the phone
- You should wear a facemask when in the same room (or vehicle) as other people
- At home, you should stay in a specific room and use your own bathroom (if possible). If you live in shared accommodation with a communal kitchen, bathroom(s) and living area, you should stay in your room with the door closed, only coming out when necessary, wearing a facemask
- You should practice good cough and sneeze hygiene by coughing or sneezing into a tissue, discarding the tissue immediately afterwards in a lined trash can, and then wash your hands immediately
- If you need to wash the laundry at home before the results are available, then wash all laundry at the highest temperature compatible for the fabric using laundry detergent. This should be above 60°
- Wear disposable gloves and a plastic apron when handling soiled materials
 if possible and clean all surfaces and the area around the washing
 machine. Do not take laundry to a laundrette. Wash your hands thoroughly
 with soap and water after handling dirty laundry (remove gloves first if
 used)
- If possible, iron using the highest setting compatible with the fabric
- You should avoid sharing household items like dishes, cups, eating utensils and towels. After using any of these, the items should be thoroughly washed with soap and water
- All high-touch surfaces like table tops, counters, toilets, phones, computers, etc. that you may have touched should be appropriately and frequently cleaned.
- Monitor your symptoms Seek prompt medical attention if your illness is worsening, for example, if you have difficulty breathing, or if the person you are caring for symptoms are worsening. If it's not an emergency, call your doctor or healthcare facility at the number below.
- If it is an emergency and you need to call an ambulance, inform the call handler or operator if you been tested for coronavirus. If your symptoms worsen:
 - Call the NICD hotline on 0800029999
 - Or call / attend your local hospital or clinic

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PATIENT INFORMATION SHEET FOR USE FOR ANYONE WITH COVID-19 SYMPTOMS

If you were not tested for coronavirus today but the clinician advises you to home isolate, you should continue to remain in home isolation for 14 days to ensure you are no longer infectious to others.

If you are tested for coronavirus today, you will receive your test results as follows:

If you have been tested, it takes 3-7 days to get your results. Do not come to the clinic to fetch your results. Stay at home until you receive your results. This clinic will not issue you with sick note for work until after you have been notified at home of your result.

The clinic will follow up your results with the laboratory.

- If you **test negative** you will receive an SMS to the phone number provided informing you the test result was negative. You can then come to the clinic to collect a sick note for the number of days since your test and can then return to work
- If you **test positive**, the clinic clinician you see today will phone you and inform you the test result was positive and request you to isolate at home for full 14 days from when you first started experiencing symptoms. You will then be visited at home by a tracing team to give you advice, support you and make contact with the people you have been in contact with. You can only return to the clinic to collect a sick note after you have been tested at home and receive a negative result. You can then return to the clinic to collect a sick note for the days since your first test.

Other important information to provide to patient with COVID-19 symptoms in the Orange Zone:

- You will be seen by a clinician who will provide for all your health needs while you are here
- You do not need and will not be allowed to go anywhere else in the clinic while you have symptoms
- Any treatment you require will be collected for you and brought to you here. You will not have to queue elsewhere to collect treatment
- If you need a special clinical service (e.g. dentist), the clinician will come to see you here
- Please do not leave this area to enter the rest of the clinic at any time
- The clinician may decide you require a TB or coronavirus test due to your symptoms. We will test you here
- After you have seen the clinician or if you need to be tested, after you
 have completed testing, please leave the clinic to go directly home
 following the orange arrows to the Orange Exit. Do not leave the clinic
 through the place where you entered
- You will also be given an information leaflet which explains what to do if you test positive for coronavirus
- This information is the same for while you wait at home until you receive your test results or for 14 days from when you started experiencing symptoms

ANNEX 8 PAGE 1 OF 2

On 5 May 2020 only 2 forms need to be completed for submission to NHLS with the COVID-19 specimen: 1. NHLS PHC request form N1 with the patient ID/passport, contact number and address completed in full 2. COVID-19 contact line list

RELEVANT COVID-19 TESTING FORMS NHLS PHC REQUEST FORM N1 - 1 PAGE

NATIONAL HEALTH	CCMT			AAAA0001P
LABORATORY SERVICE	YES NO		UMBER BARCODE	
olice number 6200296		tor eer	LS use only	
ARK IF URGENT				PHC REQUEST FORM N
CLINIC FOLDER NUMBER			FACILITY NAME	
PATENT CLARASSPORT			SERVICE POINT	
BUNNAME			BERNIGE FORM	
PRIOR NAMES			EUK CODE	
	and a land		NHAR FACULTY CODE	
TITLE GEN DATE OF BIRTH	NAME OF TAXABLE PARTY.	ADE	DOLLECTION DATE	TAKE
		5,000	SPECIMENT/PE	
			HEALTH CLAS WORKER HEALTH CLAS WORKER	
PHYSICAL ADDRESS			HEATH-CARE WORKER IHONO BONATURE	
ALL PROPERTY.			HPCSA FSANCINO	
			CONTACT NO IF SANCOVEN COLLECTED RY CTHUS.	
			NAME	
TELEPHONE	OET	Cheminal	HPGSA/ISANGNO	
ALP (Alkaline Phosphatasu) A	T Felate (serunt)	A	Paris, Pa	in A Y Drichold
ALT (Alasina Transacrinane) A	Y FT4 (Free Thyrox)	ne) A		A SJ Urine albumits constitute ratio
Anylase/Lipane A		. A	Y PSA Prostate-Specif	
Calcium A Cholesterol A		A Haemoglobie) A	Y Sodium Y Tettal Billington	A Y Vitamin 812 A TB DAYA COLLECTION - MUST BE COMPLETED
Creativities (mSFR) A			Y Iriginerides	A PRESIDENTIAL Please lick revolute become
CRP (C fleactive protein) A	and the same of th	A	Y TSR (Thyroid-Stimula	
Raematology Differential Count J.	Wicrob Y CHAL Cryptocom		SJ 18 Sans/Sport	D FOREIGN'EP ON TREATMENT:
FRC (Full Blood Count)		A	SJ TB Microscopy	D Sesceptible TB
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NR (International Narrealized Babis) A			10 Drug Susceptibility testing: Culture with 1st line L1	
Medicinis A Red Call Artibody screen (Countr's Test) A		C A	DR-TR: Notice DET too	Number of months on Yestment:
WBC Sthrie Ricol Celli A		officers and sensitiving C	Failing MOR regimen:	PROTEINS SOFT TROPING.
	SPECIMEN		Other (specify):	Mangkilo-resident
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Other (s.g. Shess, viningical follow)	RATORY USE ONLY	Control of the Contro	On ART	
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and the same of th	VELLOW		REV	
THE STATE OF THE S	DEE SH		NER	SPECIMEN
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	AAA000P		Accorp 1111	

RELEVANT COVID-19 TESTING FORMS **COVID-19 CONTACT LINE LIST**

Form downloadable at:

https://www.nicd.ac.za/wp-content/uploads/2020/04/COVID-19-Contact-Line-List-v8-

				Details o	f nemon under	Investigation/confirmed CO	NUD-19 case		
	100						Aug. Ta case		
Automobile Action	ter / Passport number					Residential address			
First name							-		
Surname	 					District	(3)		
Contact number	A.E.					Province	(1)		
Date of birth	en e	Du	te of sa	mple collection _	40 W.C. H.C.	Testing laboratory	19 1		
Details of contact	s (With close contact	1	19.2 L	of symptom onset,	or during symp			T respondence	HCW' or school-
Sumame	Rest name(s)	(MUF)	m	Relation to case ^s	contact with	Place of lest contact with core (Provide name and address)	Residential address (for next month)	Phone number(s), separate by semicolon	going/toscher? (V/) If You, fockty/school no
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	PHILIP 1947	88 - 50.	12		N2	800 II			
Water Street, and account of	s (with contact, from	n the date	Age:		Done of last contain with	Place of last contact with case	Residential address (for	Phone number(s)	HCW'or school- going/teacher? (Y/F
Details of contact	First name(s)	(M/F)		Relation to case ³		(Proxide name and address)	next month)	separate by semicolon	

12 15 16 17 20

*Class contact: A person fracing had fixe-to-fave contact (i.d. mether) or was in a chased endorsement with a CDMD-19, this includes, amongst others, of persons himsy in the same hossenhold as a CDMD-19 came and, perspit socialized disease, in the same environment as a case. A headthcare worker or other person providing direct care for a CDMD-19 case, while not wearing recommended personal protective equipment or PMF (i.e., power, places, MODH curried disponable PMS registeres, personables A context in an arrival stating within two setters for in an electrical of the CDMD-19 case, personables and a context in an arrival stating within two setters for in the CDMD-19 case, comprehens a green, and once members serving in the section of the Comprehens arrival and a context in an arrival stating within two setters for in the CDMD-19 case, and once members serving in the section of the context when the

ANNEX 9 PAGE 42

COLLECTION OF OROPHARYNGEAL AND NASOPHARYNGEAL SWABS

Available at:

https://www.nicd.ac.za/wp-content/uploads/2020/03/NICD_DoH-COVID-19-Guidelines-10March2020_final.pdf





UPDATED 26-022020

CENTRE FOR RESPIRATORY DISEASES AND MEMMINISTRS
OUTBREAK RESPONSE, DIVISION OF PUBLIC HEALTH SURVELLANCE AND RESPONSE

9.5 Appendix 5: Collection of nasopharyngeal and oropharyngeal swab and nasopharyngeal aspirate

Type of swabs

Only rylon or rayon flocked nasopharyngeal and oropharyngeal swabs with perforated, flexible plastic shaft must be used for collection of specimens. There is evidence to suggest some benefit to using flocked swabs for recovery of pathogens over other types. An appropriate size of the nasopharyngeal swab should be used, paediatric swab for children and adult swab for older children and adults. Cotton-tipped, calcium alginate swabs or swabs with wooden shafts should not be used as residues present in these materials may inhibit PCR assays.

Collecting the nasopharyngeal swab

- Gently insert nasopharyngeal flocked swab into the nostril aiming backwards, along the
 floor of the nasal cavity, until the nasopharynx is reached. Be careful not to insert swab
 upwards. If resistance is encountered during insertion of the swab, remove it and try the
 other nostril. The distance from the nose to the ear gives an estimate of the distance the
 swab should be inserted
- · Gently rotate the swab and hold in place for a few seconds
- Slowly withdraw swab
- Unscrew and remove the cap from the tube with transport medium.
- Insert the swab directly into a vial containing universal transport medium (UTM)
- 3reak plastic shaft at the break point so that it can fit in the universal transport medium tube
- Close the tube with the lid
- Refrigerate at 2-8 °C

Collecting oropharyngeal swab (OPS)

- Keeping the same pair of gloves on, and holding the UTM with the nasopharyngeal swab
 in, take a second flocked swab and open it at the plastic shaft
- Ask the patient to tilt their head back and open mouth wide
- Hold the tongue down with a tongue depressor
- Have the patient say "aahh" to elevate the uvula
- 5wab each tonsil first, then the posterior pharynx in a "figure 8" movement
- Avoid swabbing the soft palate and do not touch the tongue with the swab tip as this
 procedure can induce the gag reflex.
- Insert the swab directly into the same UTM vial containing the nasopharyngeal swab
- 3reak plastic shaft at the break point so that it can fit in the universal transport medium rube
- Close the tube with the lid
- Refrigerate at 2-8 °C

PAGE 43 ANNEX 9

COLLECTION OF OROPHARYNGEAL AND NASOPHARYNGEAL SWABS





UPDATED 08-03- 2020
CENTRE FOR RESPIRATORY DISEASES AND MEMORITS

CENTRE FOR RESPIRATORY DISEASES AND MENINGITIS OUTBREAK RESPONSE, DIVISION OF PUBLIC HEALTH SURVEILLANCE AND RESPONSE

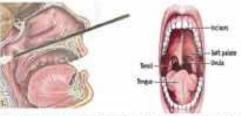


Figure 1: How to collect a nasopharyngeal swab (left) and oropharyngeal swab (right)

CLEANING AND DISINFECTION RECOMMENDATIONS

COVID-19 INFECTION PREVENTION AND CONTROL GUIDELINES FOR SOUTH AFRICA (VERSION 2)

Available for download at:

waste

Catering

Patient

Visitors

Duration of

isolation

transportation

https://www.nicd.ac.za/wp-content/uploads/2020/05/ipc-guidelines-covid-19-version-2-21-may-2020.pdf

Туре	Recommendations	Alternatives
Patient placement	See Sections 5.1 and 5.2	Shared toilet facilities to be cleaned regularly (2- 4 hr)
Hand Hygiene	Before and after each patient contact (5 Moments of Hand Hygiene) Before wearing PPE After removing PPE	Use ABHR between patients if hands not visibly soiled
Gloves non ster	t and droplet precautions ⁹ ile, face mask, apron (or gown), goggles or face shield ing procedures)	, N95 respirator (when performing
Environmental cleaning	Frequent cleaning 2- 3 times/day. Water, detergent. Wipe over with disinfectant such as 1:1000 ppm available chlorine or 70% alcohol	Use universal wipes which is a combination of detergent and disinfectant.
Terminal cleaning	Remove all linen, healthcare waste and medical equipment and send for disinfection or discard. Clean with water and detergent. Wipe with disinfectant	Use universal wipes which is a combination of detergent and disinfectant
Patient care equipment	-Dedicated equipmentDisposable where possible -Shared equipment to be heat or chemical disinfected after cleaning.	None
Linen	Change linen regularly. Send to laundry marked as infectious Temp 65- 70° C cycle	Disposable linen not recommended
Healthcare	Healthcare risk waste for secretions (infectious)	

Wash in hot water and allow to dry.

Guidance for EMS and others when

Mother of admitted child or close family members of extremely sick patients should be allowed in with a surgical face mask. They should be instructed on hand hygiene and social

In some countries, resolution of

symptoms plus two negative RT-PCR

isolation. Given the shortage of test

kits, South Africa has adopted clinical

criteria for disease resolution and de-

tests for SAR-CoV-2 is required for de-

transporting patient

distancing

isolation.

PPE for handlers (see appendix A)

Wash in automated dish washer.

No additional precautions required

Advise EMS patient has COVID-19

Ideally no visitors are allowed.

moderate to severe disease.)

Transfer as a single case

until discharge;

Patient to wear face mask during transfer

Patient should remain in COVID-19 isolation area

Once discharged, patient to self-isolate for 14 days

after first symptoms began (mild diseases) and for

14 days after clinical stabilisation (off oxygen, for

Product	Chlorine available	How to dilute to 0.1% (1:1000ppm) (for COVID cleaning)
Sodium hypochlorite – liquid bleach	3.5%	1 part bleach to 32 parts water (e.g. 30ml bleach in 970ml water)
Sodium hypochlorite – liquid bleach	5%	1 part bleach to 47 parts water (e.g. 20ml bleach in 980ml water)
NaDCC (sodium dichloro-isocyanurate) – powder	60%	1.7 grams to 1 litre water
NaDCC (1.5g/tablet) – tablets	60%	1 tablet to 1 litre water
Chloramine – powder	25%	4 grams to 1 litre water

DONNING AND DOFFING PPE

COVID-19 INFECTION PREVENTION AND CONTROL GUIDELINES FOR SOUTH AFRICA (VERSION 2)

Available for download at:

https://www.nicd.ac.za/wp-content/uploads/2020/05/ipc-guidelines-covid-19-version-2-21-may-2020.pdf

WASH HANDS OR USE AN ALCOHOL-BASED HAND SANITISER AFTER REMOVING GLOVES AND AFTER REMOVING ALL PPE

SEQUENCE FOR PUTTING ON PERSONAL PROTECTIVE EQUIPMENT (DONNING)

Wash your hands before putting on the PPE, PPE should be put on in an order that minimises contamination. The apron, mask, goggles and gloves must be put on in that order. See guidance on each below.

Apron

- Wash hands
- Slip it over the head and tie the stings behind the back



SEQUENCE FOR TAKING OFF PERSONAL PROTECTIVE EQUIPMENT (DOFFING)

Wash your hands before taking off the PPE, PPE should be removed in an order that minimises contamination. The gloves, apron, goggles/visor, and mask must be removed in that order.* Wash your hands after taking off the PPE. Discard PPE in infectious waste container. See guidance below.

Gloves

- Securely grasp the outside of glove with the opposite aloved hand; peel off; discard as infectious waste
- Slide the fingers of the un-gloved hand under the remaining glove at the wrist; peel off; discard as infectious waste

Mask or N95 Respirator

- Secure each fie or elastic at the middle of head and neck
- Fit flexible band to nose bridge
- · Fit snug to face and below
- · Fit-check respirator by blowing into it (air should not leak out)

Apron or Gown* (See Note)

- Wash hands
- Unfasten or break apron/gown ties
- Pull the apron away from the neck and
 - shoulders, touching the inside of the apron only and bring it forward and over the head
- Turn the apron inside out, fold or roll into a bundle and discard as infectious waste

Goggles or Visor

 Place over face and eyes



Adjust band to fit comfortably

Goggles or Visor* (See Note)

Remove goggles/visor from the back by lifting



head band or ear pieces

Place in designated receptacle for disinfecting

- Hold the edge of the glove as you pull it over your hand
- · Extend to cover wrist
- · Once gloved, do not touch other surfaces

Mask or N95 Respirator

Untile or break bottom ties. followed by top ties or elastic.





- Remove by handling the fies only and discard as infectious waste.
- Wash hands

*Note. When it is practically difficult to remove the apron/gown before the visor/goggles, then the visor/goggles may be removed before the apron/gown.





PPE GUIDANCE - WHO TO WEAR AND WHEN

COVID-19 INFECTION PREVENTION AND CONTROL GUIDELINES FOR SOUTH AFRICA (VERSION 2)

Available for download at:

https://www.nicd.ac.za/wp-content/uploads/2020/05/ipc-guidelines-covid-19-version-2-21-may-2020.pdf

TYPE OF PPE	CLINICAL STAFF (nurses, doctors, EMS) Providing direct care to COVID-19 patients or patients with respiratory symptoms	NON-CLINICAL STAFF (admin staff, porters, catering staff) coming into distant contact with COVID-19 patients and contaminated surfaces	NON-CLINICAL STAFF (cleaners) coming into distant contact with COVID-19 patients and contaminated surfaces	PATIENTS with RESPIRATORY symptoms	PATIENTS without RESPIRATORY symptoms
Gloves	A single pair of non- sterile gloves Change between patients Double gloving not recommended	.Change when leaving COVID-19 area	Reusable long rubber utility cleaning gloves (ideally up to elbow) Change after completed cleaning contaminated area	None	None
Face cover	Surgical Mask for general care of all patients N95 respirator for aerosol generating procedures	Surgical mask when within <1m of a patient with respiratory symptoms (one per shift, if integrity maintained) If no patient contact is expected a cloth mask is acceptable	Surgical mask	Surgical mask	All patients should wear a cloth mask as part of the universal masking policy. If no cloth mask is available, then surgical mask may be used
Aprons	Change when visibly contaminated Change between patients. Discard after aerosol- generating procedure	Change when leaving COVID-19 area	After each work session (in absence of clinical contact)	None	None
Face shields, or visors, or goggles, or other eye covers	Wash clean, disinfect and reuse	None	Wash clean, disinfect and reuse	None	None

Setting	Target Personnel or Patients	Activity	Type of PPE or Procedure
Triage at Clinics, CHC, OPD. Emergency Units and temporary facilities	Clinical staff	Triage: Preliminary screening of patients (via questions on symptoms and contact with COVID-19 cases) as they enter unit.	Maintain spatial distance of at least 1 metre Surgical mask
entrances :	Patients and escorts who screen positive	While waiting for testing	Move patient to isolation room Provide Surgical mask
	Patients and escorts who screen negative but have respiratory symptoms	While waiting for consultation	Maintain spatial distance of at least 1 metre. Provide Surgical mask
	Patients and escorts who screen negative but without respiratory symptoms	While waiting for consultation	Cloth mask
Administrative areas	All staff including reception, clerical and clinical staff	Administrative tasks that do not involve contact with COVID-19 patients	Cloth mask
Clinic, CHC, OPD, Emergency Unit and Temporary facility Consultation	Clinical staff	Physical examination of suspected COVID-19 patients	Surgical Mask Eye protection (goggles or visor) Apron Non-sterile gloves
rooms	Clinical staff	Aerosol-generating procedures performed on suspected COVID-19 patients (such as nasopharyngeal and oropharyngeal swabbing for testing for coronavirus infections) Note that N95 respirators are only worn when performing aerosol-generating procedures	N95 Respirator Apron or gown Non-sterile gloves Eye protection (goggles or visor)
	Clinical staff	Physical examination of patients without respiratory symptoms.	Surgical mask Non-sterile gloves
	Cleaners	Cleaning the vacated room and areas used by a COVID-19 patient	Surgical mask Apron Eye protection (goggles or visor) Long rubber utility cleaning gloves (ideally up to elbow) that can be washed Closed work shoes
	Body of deceased	Death of COVID-19 patient	Wrap body with sheets or body bag as per protocol
Entrance to COVID-19 Area	Security personnel.	Any	Surgical mask

Type of PPE	Extended use	Reprocess
Gloves (non-sterile)	No	No
Surgical masks	Yes. Until damp or torn, or to end of shift. Change if contaminated	No
N95 respirators	Yes. Up to 1 week for same HCW (as TB protocol), unless respirator integrity or leak-proof seal is compromised	Pending (WHO)
Aprons	Yes, if not visibly contaminated (maintain 1m distance)	No
Gown Cotton gowns and aprons	Water resistant - yes if not visibly contaminated (1m) Re-used during providing care to the same patient	Yes - launder cotton
Goggles	Yes, but do not contaminate hands	Yes - wash with soap and water. Dry. Wipe over with alcohol
Face shields	Yes, but do not contaminate hands	Yes - wash with soap and water. Dry. Wipe over with alcohol wipes

ORANGE ZONE SCREENING AND MANAGEMENT STATION CLINICIAN ASSESSMENT FORM

Date: Name:		Folder number:	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Name:		100 March 100 SA 100 A 1	
		Male / Female	
COVID-19 symptoms			
Cough	Yes/No	Oxygen saturations	
Fever	Yes/No	Pulse	
Shortness of breath	Yes/No	Temperature	
Sore throat	Yes/No	Respiratory rate	
Loss of smell / taste	Yes/No	Blood pressure	
Myalgia	Yes/No	Glucose	
Acute worsening of chronic cough	Yes/No		
Duration of symptoms			
PUI?	Yes/No	Severe	Yes/No
Reason for visit			
COVID-19 symptoms	Yes/No		
Other (specify)		·	
HIV status	Positive Negative (in p Unknown* *all with unkn	oast year) nown HIV status should be	referred for an HIV test
Additional clinical notes including past medical history:			
Current medications:			
TB sputum sent	Yes/No		
COVID-19 sample sent	Yes/No	Sample type	Sputum/NP/OP
Specimen reference number			
Further management including medications prescribed			
Discharged home	Yes/No		
Counselled on self-isolation	Yes/No		
Transfer to a higher facility?	Yes/No	Name of facility	
Nurse/Doctor name			
Signature			

TEST RESULT MANAGEMENT STANDARD OPERATING PROCEDURE

- 1. Each facility will keep a register at the COVID Testing station in the Orange Zone
- 2. The register will have the following columns:

Faci	lity / Date	91:			Orc	inge Zone Cli	nician on duty:			
Patie	ent inform	nation		1000 - 100 -	063.72			Test result to patient		nunication
No.	First names	Surname	HCW (Tick)	Confact no.	Afternative contact no.	Address	Bar code sticker	Test result	Date obtained	Date contacted

- 3. The Dr/Nurse testing in the Orange Zone will be responsible for reconciling test result management process for all patients and HCWs tested on his/her duty day
- 4. Thereafter the Dr/Nurse (or designated support person) will:
 - a. Check Lab Tracker 48 hours after patient/HCW tested
 - b. Where the result is not back by 72 hours after date patient tested, the patient (not HCWs) will be sent an SMS to inform that their result is still not back from lab using the following text:
 - "X CHC/Clinic: Please note your Coronavirus test result is not back yet. We will keep you updated. Please stay home. Do not return to the clinic."
 - c. Where the result is not back by 96 hours after date patient/HCW tested, phone the NHLS to determine whether the patient specimen has been registered and processed.
- 5. Once the test result is received, the following will take place:

The Dr/Nurse (or designated support person) will reflect the result information in the register – result/date result obtained/date communicated to patient/HCW.

Negative result

The Dr/Nurse (or designated support person) will send the patient/HCW a SMS with the following message:

"X CHC/Clinic: Your Coronavirus test result has been received. You tested NEGATIVE on XX date.

You can now return to the clinic to collect your sick note for your employer."

Positive result

The Dr/Nurse will immediately do the following:

Contact the patient/HCW by telephone to inform the patient/HCW that they have

- i) tested positive
- ii) must stay at home with a cloth mask on and isolate as much as possible from other household members
- iii) the sub-district team will be visiting their house to provide further guidance
- iv) the patient/HCW should not return to the clinic but should phone the doctor/clinic if their condition significantly deteriorates
- v) will only be able to collect a sick note 14 days after symptom onset

Where the Dr/Nurse cannot reach the patient by phone, he/she will inform the WBOT team who will send out appropriate CHW to visit patient's home and inform the patient of the aforementioned information. Contact the sub-district tracing team lead by phone or if cannot be reached by WhatsApp with the positive result and the details of the patient.

PAGE 1 OF 6 ANNEX 15

COVID-19 FACILITY PREPAREDNESS SELF-ASSESSMENT

Q.	Indicator	Compliance dashboard Green = In place Orange = partially in place Red = not in place
1	Set up clinic committee to co-ordinate COVID-19 preparedness	
2	COVID-19 facility and clinician leads identified	
	The following in-service training has taken place:	
3.1	IPC including hand hygiene, PPE, social distancing – all facility staff	
3.2	COVID-19 facility set up and patient pathways – all facility staff	
3.3	Clinical management of patients with COVID-19 symptoms – clinicians working in Orange Zone	
3.4	COVID-19 testing – clinicians performing COVID-19 testing	
3.5	Referral protocols – clinicians working in Orange Zone	
3.6	Environmental cleaning requirements – all staff	
3.7	COVID-19 waste management – cleaning staff	
4	Facility has paint, tape for marking seats and danger tape for cordoning off areas	
5	Separated health facility into risk zones (yellow, orange and blue)	
9	Facility has functioning telephone number which is managed for patients to phone for support with results, worsening symptoms etc.	
7	Facility has full set of poster in English and Zulu marking stations	
90	Staff symptom screening system set up	
	YELLOW ZOME	
6	Lines are painted outside facility gates 1.5m apart of patient queuing for length of queue	
10	Sanitation station set up 1.5m from the gate (not at the gate) including demarcation painted on the ground	
11	14 screening station has been set up including demarcated on the ground, chairs and tables/clipboards and symptom screen sheet	
	ORANGE ZONE	
12	Orange Zone has required number of tents/gazebos	
13	Orange Zone has required number of chairs/tables	
14	Orange Zone has required medical equipment – oximeter, infrared thermometer	
15	The facility has set up 21th screening and management station in Orange Zone including waiting area with chairs 1.5m apart and cordoned off area for clinician	
16	The facility has set up a COVID-19 and TB testing station in the Orange Zone including demarcations on the ground	
17	HIV testing and TB sputum collection is available in the Orange Zone	
18	Isolation room/tent set up for patients with severe COVID-19 symptoms with examination bed and oxygen until patient transport arrives for transfer to	
	hospitai	
	BLUE ZONE	
19	All seating and standing queues in the entire facility marked to ensure social distancing i.e. no patient standing or sitting closer than 1m from each other	
20	The facility has marked on floors the pathways through the Blue Zone	
21	Facility has implemented a number waiting system to ensure patients are not moving on seats	
	Transfer and exit pathways	
22	The facility has a marked Blue Zone and Orange Zone exit (that are not the same as the Yellow Zone entrance)	
	Number Green Number Orange	Number Red
otal sco	Total score for PHCs	

PRIMARY CARE AND HOSPITAL FACILITIES

ONCE-OFF SET UP INDICATORS:

PRIMARY CARE AND HOSPITAL FACILITIES

OPERATION INDICATORS:

ONGOING PREPAREDNESS

COVID-19 FACILITY PREPAREDNESS SELF-ASSESSMENT

	Green = in place Orange = partially in place Red = not in place
COVID-19 clinic committee meets daily until site set up and weekly thereafter	
COVID-19 facility and clinician leads co-ordinating operation of stations/patient pathways daily	
Training records being kept and updated	
Weekly staff roster in place to staff zones	
The facility has sufficient PPE to ensure staff working in yellow and orange and blue zones are able to wear PPE as guided	
Sufficient hand sanitizer and disinfectant at facility for all zones	
All stations set up and ready to operate by 8am	
Is staff symptom screening system fully operational ensuring all staff of screened each day	
Are staff reporting COVID-19 symptoms appropriately tested for COVID-19 and isolating while waiting for test result?	
Can the cleaning staff correctly describe the required environmental cleaning needed	
Can the cleaning staff correctly describe how COVID-19 waste is managed	
YELLOW ZONE	
Queue marshals are in place outside of the facility gate to manage queues from at least 7am	
Queue marshals are educating patients outside the facility gates on new process inside the clinic	
Security guard understands and actively manages one patient entering at a time	
Queues outside are maintaining social distance	
Facility gates open no later than 8am for patients to start entering facility	
Patients wait for less than 1.5 hours outside gate from arrival (only calculated from 8am)	
Appropriate symptom screening taking place at 1st screening station	
All patients with COVID-19 symptoms are separated out and directed to the Orange Zone (do not go into the Blue Zone for any service or treatment)	
All staff working in the yellow zone are wearing surgical masks and disposable aprons (and have non-sterile gloves available if they choose to wear them)	
All patients identified with COVID-19 symptoms are wearing or are provided with either a homemade cloth mask or a surgical mask	
ORANGE ZONE	
Facility-based clinician allocated to provide clinical assessment in Orange Zone 2 nd screening and management station including orientated on clinical algorithm and clinical assessment forms	
Orange Zone clinician comprehensively managing all patients with COVID-19 symptoms from 2 nd screening, assessment and	
management station	
Orange Zone clinician using clinical assessment form to guide management	
Runners in place in Orange Zone supporting clinician management of patients including collecting files and treatment from the Blue Zone for patients	
HIV testing being provided when requested by clinician in the Orange Zone	
All patients in Orange Zone waiting areas are sitting on plastic chairs at least 1.5m apart which are disinfected between each patient	

COVID-19 FACILITY PREPAREDNESS SELF-ASSESSMENT

28	Counsellor or runner educating patients waiting in the Orange Zone on procedure in Orange Zone, home isolation and how test results will be communicated	in Orange Zone, home isolation and how test	
29	TB sputum collection is taking place in the Orange Zone		212
30	The facility has sufficient forms needed for completion with COVID-19 specimen		
31	The facility has allocated staff to complete COVID-19 test related forms to support tester	tester	
32	The facility is receiving sufficient COVID-19 test swabs to carry out tests on all Orange Zone patients meeting the current PUI definition	nge Zone patients meeting the current PUI	
33	The facility is receiving sufficient COVID-19 test swabs to carry out a baseline COVID-19 test on all staff	ID-19 test on all staff	
34	COVID-19 testing for patients taking place		
35	COVID-19 testing for staff taking place		
36	Disinfectant available in separate management area in appropriate container for 3 hourly environmental cleaning	hourly environmental cleaning	
37	Environmental cleaning (cleaning and disinfection) is being done 3 hourly with all chairs, tables and medical equipment disinfected between every patient	chairs, tables and medical equipment disinfect	ed
38	Orange Zone equipment packed away each day to ensure safety and ready for set up on the following day	up on the following day	
39	All staff working in the Orange Zone are wearing surgical masks and disposable aprons (and have non-sterile gloves available if they	rons (and have non-sterile gloves available if th	hey
9	COMP 40 testing alicing the mark mark and discounted and	actually allocate	Ľ.
40	COVID-19 testing clinician wearing N95 mask, goggles/visor, disposable gown and non-sterile gloves	non-sterile gloves	
41	Patient total time in Urange Zone less than 1.5 hours		
	BLUE ZONE		
42	All staff working in routine services are wearing at a minimum a cloth mask with those healthcare workers coming within 1m of patient wearing surgical masks (or if not sufficient - cloth masks with visor)	nose healthcare workers coming within 1m of	
43	Lay staff (CHWs/WBOTs) allocated to various departments to communicate with gate when empty seats in department – ensure continued flow from outside	ate when empty seats in department – ensure	<u>s</u>
44	Where long waiting times outside gate for specific blue zone services, holding bay waiting areas created outside to ensure patients	waiting areas created outside to ensure patier	nts
45	Numbering system for patients is in operation (to ensure patients not moving seats)	(5)	
46	Environmental cleaning (cleaning and disinfection) in the entire routine services part of facility is being done at a minimum of twice a	art of facility is being done at a minimum of tw	rice a
	Facility		20
47	Facility reporting statistics every day – total screened, total symptomatic patients managed in Orange Zone, total patients tested, test swab and PPE stock levels daily	managed in Orange Zone, total patients tested	4
48	Facility ordering test swabs and PPE daily based on stock levels		
49	Facility self-evaluating new clinic processes and correcting gaps/problems		0-0
20	Facility managing its own test results including tracking and communicating results	communicating results to patients timeously	
	Number Green	Number Orange	Number Red
Intal sc	Total course for BUCs		

COVID-19 FA

COVID-19 FACILITY PREPAREDNESS SELF-ASSESSMENT

No	Indicator			Compliance dashboard	T.
				Green = in place	
				Orange = partially in place	lace
				Red = not in place	
23	Separate room within Emergency Department or separate room within facility allocated and set up for COVID-19	rtment or separate room within facility	allocated and set up for COVID-19		
	emergency patients including examination bed and oxygen	ion bed and oxygen			
24	Separate delivery area/room within Maternal Obstetric Unit set up for COVID-19 symptomatic patient's delivery	iternal Obstetric Unit set up for COVID-	·19 symptomatic patient's delivery		
		Number Green	Number Orange	Number Red	
Total sc	Total score for CHCs				

ONCE-OFF SET UP ADDITIONAL INDICATORS: CHCS OPERATING 24 HOURS

ONGOING PREPAREDNESS OPERATION ADDITIONAL INDICATORS: CHCS OPERATING 24 HOURS

	Indicator			Compliance dashboard
				Green = in place
				Orange = partially in place
				Red = not in place
51 S	Screening of all patients coming to the emergency department after working hours taking place at entrance	emergency department after working	nours taking place at entrance	8
52 S	Screening of all patients coming to the maternal or	naternal obstetric unit (MOU) after we	obstetric unit (MOU) after working hours taking place at entrance	
53 A	All patients with COVID-19 symptoms managed in a separate area within Emergency Department or separate room	lanaged in a separate area within Eme	rgency Department or separate room	
a	allocated and set up for COVID-19 Emergency patients	gency patients		
54 A	All patients in labour with COVID-19 symptoms managed in a separate delivery room	nptoms managed in a separate deliver	y room	
55 S	staff working in isolation space in Emer	gency Department wear surgical mask,	Staff working in isolation space in Emergency Department wear surgical mask, disposable apron and non-sterile gloves	Si
٤	(visor optional). Apron and gloves disposed of between each patient with handwashing	used of between each patient with har	dwashing	
26 N	Midwife working in isolation delivery ro	om in MOU wears N95 mask, goggles/	Midwife working in isolation delivery room in MOU wears N95 mask, goggles/visor, disposable gown, non-sterile gloves.	es.
٩	All except goggles/visor which need to be disinfected, disposed of after single delivery use with strict handwashing	se disinfected, disposed of after single	delivery use with strict handwashing	
٥	compliance.			
8	7.5	Number Green	Number Orange	Number Red
Total score	Total score for CHCs			

COVID-19 FACILITY PREPAREDNESS SELF-ASSESSMENT

SET UP ADDITIONAL INDICATORS: HOSPITALS OFF ONCE

S.	Indicator			Compliance dashboard Green = in place Orange = partially in place Red = not in place
23	Separate room within Emergency Department or separate room within Hospital allocated and set up for COVID-19 emergency patients including examination bed and oxygen	irtment or separate room within Hospit tion bed and oxygen	al allocated and set up for COVID-19	
24	Separate delivery area/room within Maternal Obstetric Unit set up for COVID-19 symptomatic patient's delivery	sternal Obstetric Unit set up for COVID-	19 symptomatic patient's delivery	
25	Clear demarcation between clean (no PPE required)	PE required) and COVID-19 (PPE required) areas of the ward	ed) areas of the ward	
56	Hospital has separate PUI rooms/bays/ward – for patients waiting for COVID-19 test result	ward – for patients waiting for COVID-1	19 test result	
27	PUI single rooms/bays/ward with strict separation of every patient – beds more than 2m apart	separation of every patient - beds mor	re than 2m apart	
28	PUI single rooms/bays/ward with strict separation of every patient – separate toileting or washing facilities set up	separation of every patient - separate	toileting or washing facilities set up	
29	Hospital has allocated bays/ward for COVID-19 confirmed cases (can share toileting)	OVID-19 confirmed cases (can share toil	leting)	
30	PPE donning and doffing station set up next to PUI/COVID-19 rooms/wards	next to PUI/COVID-19 rooms/wards	8	
		Number Green	Number Orange	Number Red
Totals	Total score for hospitals			

COVID-19 FACILITY PREPAREDNESS SELF-ASSESSMENT

OPERATION ADDITIONAL INDICATORS: HOSPITALS ONGOING PREPAREDNESS

No.	Indicator			Compliance dashboard
				Green = in place
				Orange = partially in place
				Red = not in place
51	Screening of all patients coming to the emergency department after working hours taking place at entrance	emergency department after working	hours taking place at entrance	
52	Screening of all patients coming to the maternal obstetric unit (MOU) after working hours taking place at entrance	maternal obstetric unit (MOU) after w	orking hours taking place at entrance	
53	All patients with COVID-19 symptoms r	nanaged in a separate area within Em	All patients with COVID-19 symptoms managed in a separate area within Emergency Department or separate room in	
	Hospital allocated and set up for COVID-19 emergency patients	0-19 emergency patients		
54	All patients in labour with COVID-19 symptoms managed in a separate delivery room	mptoms managed in a separate delive	ry room	
55	PUI single rooms/bays/ward with strict separation of e	separation of every patient – patients confined to their area	confined to their area	
26	PUI single rooms/bays/ward with strict separation of	separation of every patient - no shar	every patient – no sharing of toileting or washing facilities	
57	COVID-19 confirmed cases in COVID-19 bays/ward – can share toileting and patients can interact	 bays/ward – can share toileting and p 	vatients can interact	
58	Once PUI confirms negative transferred to Blue Zone section of hospital (general wards)	d to Blue Zone section of hospital (gen	eral wards)	
59	Once PUI confirms positive transferred to COVID-19 bay or ward	to COVID-19 bay or ward		
09	Staff working in PUI rooms/wards wear surgical mask, apron and non-sterile gloves. Apron and gloves disposed of	r surgical mask, apron and non-sterile	gloves. Apron and gloves disposed of	
61	Staff working in COVID-19 ward wear s	urgical mask, apron and non-sterile gle	Staff working in COVID-19 ward wear surgical mask, apron and non-sterile gloves. Apron and gloves disposed of every	2
5	time the HCW exits the COVID-19 ward with strict handwashing	with strict handwashing		
29	All PUI related IPC appropriate including PPE donning and doffing when managing PUIs	g PPE donning and doffing when man	aging PUIs	
63	All COVID-19 confirmed case IPC appro	priate including PPE donning and doff	All COVID-19 confirmed case IPC appropriate including PPE donning and doffing done appropriately when entering or	
	leaving COVID-19 confirmed case bays/ward	ward		
		Number Green	Number Orange	Number Red
Total St	Total score for hospitals			

COVID-19 PRIMARY CARE FACILITY PREPAREDNESS GUIDE

ENDORSED BY:













