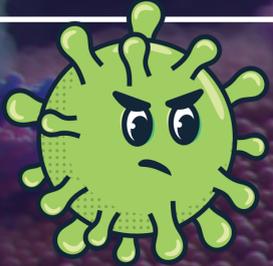
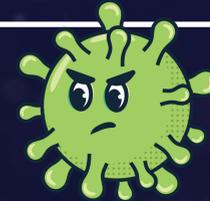


# WHAT IS COVID-19 ?



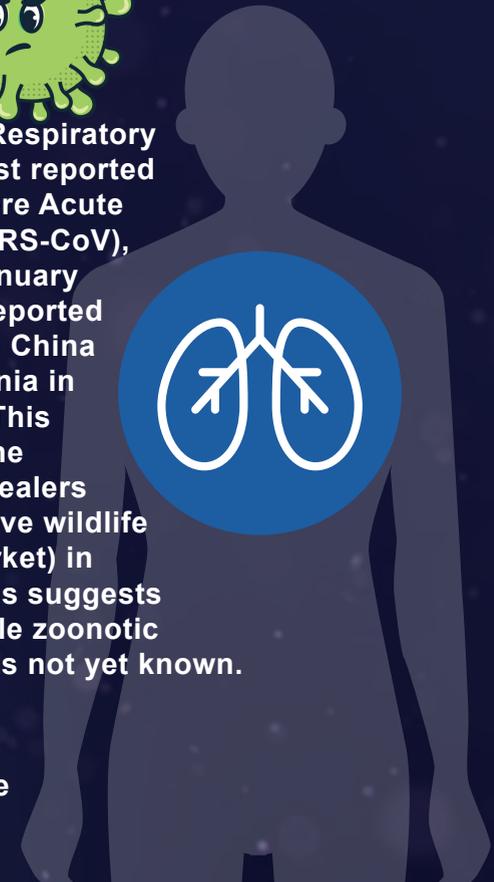
The name corona refers to a crown because these viruses have crown-like spikes on their surface when viewed under an electron microscope



Human coronaviruses are common throughout the world. There are many different coronaviruses identified in animals but only a small number of these can cause disease in humans.



Examples of these are the Middle East Respiratory Syndrome Coronavirus (MERS-CoV), first reported from Saudi Arabia in 2012, and the Severe Acute Respiratory Syndrome Coronavirus (SARS-CoV), first recognised in China in 2002. On January 9, 2020 the World Health Organization reported that a new coronavirus was identified in China associated with an outbreak of pneumonia in Wuhan in Wuhan City, Hubei Province. This virus is the COVID-19. The majority of the cases/patients initially identified were dealers and vendors at a seafood, poultry and live wildlife market (Huanan Seafood Wholesale Market) in Jiangnan District of Hubei Province. This suggests that the novel coronavirus has a possible zoonotic origin. The specific source of the virus is not yet known.



Some coronaviruses such as 229E, NL63, OC43 and HKU1 are common causes of illness, including respiratory illness, in humans throughout the world. Sometimes coronaviruses infecting animals can evolve to cause disease in humans and become a new (novel) coronavirus for humans.



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# WHAT ARE THE SIGNS AND SYMPTOMS OF COVID-19?

## CURRENT SYMPTOMS REPORTED FOR PATIENTS INCLUDED

THE COMPLETE CLINICAL PICTURE WITH REGARD TO COVID-19 IS STILL NOT FULLY CLEAR. REPORTED ILLNESSES HAVE RANGED FROM INFECTED PEOPLE WITH LITTLE TO NO SYMPTOMS TO PEOPLE BEING SEVERELY ILL AND DYING.



**HIGH FEVER**



**COUGH AND DIFFICULTY BREATHING**



**SORE THROAT**



**HEADACHE**



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# WHAT IS THE RISK ?

## WHAT TO DO IF YOU FEEL UNWELL

### LOW RISK

If you are under 60 yrs and without an underlying health condition you may be asked to:



Self-monitor



Self-monitor



Stay home until you are well

### LOW RISK

If you are over 60 yrs or have an underlying health condition:

If possible, contact your healthcare provider and follow their advice before going to the healthcare facility.



Anyone experiencing difficulty breathing should seek immediate medical attention.



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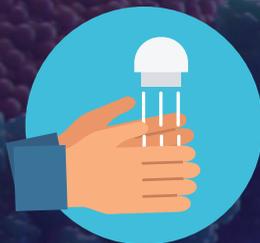
# HOW CAN COVID-19 INFECTIONS BE PREVENTED ?



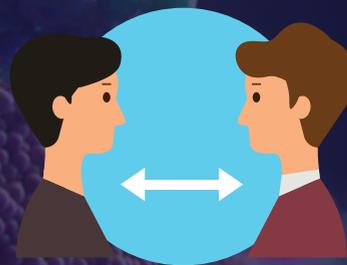
**AVOID CONTACT**



**DONT SHAKE**



**WASH HANDS**



**KEEP DISTANCE**



**USE SOAP**



**USE DISINFECTANT**



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# SAFETY CLOTHING ADVICE?



- USE PROTECTIVE SUITS
- PROTECT YOUR FACE
- WEAR GLOVES
- WASH HANDS FREQUENTLY
- ISOLATE PATIENT
- DISINFECT SURFACES

**MEDICAL STAFF**



- USE PROTECTIVE SUITS
- WEAR A PROTECTIVE MASK
- WEAR GLOVES
- WASH HANDS FREQUENTLY
- AVOID CONTACT WITH WASTE
- DISINFECT SURFACES

**MARKET STAFF**



- WEAR A PROTECTIVE MASK -
- WEAR GLOVES -
- KEEP DISTANCE FROM SICK PEOPLE -
- WASH HANDS FREQUENTLY -
- AVOID CROWDED PLACES -
- AVOID CONTAMINATED OBJECTS -

**GENERAL  
PEOPLE**



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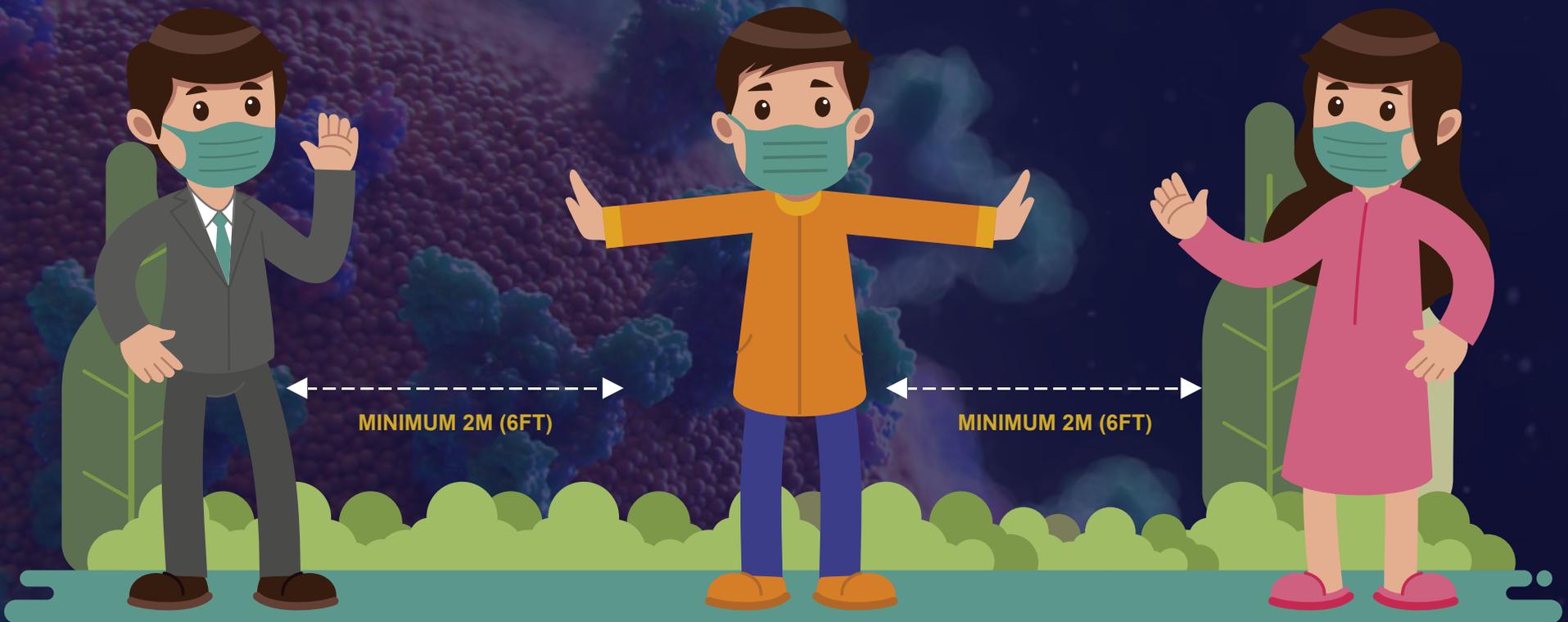
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# SOCIAL DISTANCING.

KEEP A DISTANCE OF AT LEAST **2 METERS** AWAY FROM OTHER PEOPLE



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# HOW IS COVID-19 DIAGNOSED.



**SAMPLES ARE  
COLLECTED  
FROM THE  
NOSE, THROAT  
OR CHEST**

**COVID-19 IS DIAGNOSED  
BY A LABORATORY TEST,  
POLYMERASE CHAIN  
REACTION (PCR)  
MOLECULAR TEST, ON A  
RESPIRATORY TEST  
SAMPLE**



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# WHAT MEASURES HAVE BEEN PUT IN PLACE IN SOUTH AFRICA.

TEMPERATURE AND  
FEVER SCREENING  
IS IN PLACE AT  
INTERNATIONAL  
AIRPORTS AND  
BORDERS.



IF THERE IS A  
SUSPECTED CASE,  
PROCEDURES ARE IN  
PLACE FOR CASE  
ISOLATION AND  
MANAGEMENT.  
SPECIMEN COLLECTION  
AND TRANSPORT WILL  
FOLLOW SO THAT  
DIAGNOSIS CAN  
BE MADE QUICKLY



SUSPECTED  
CASES WILL BE  
MANAGED AT  
DESIGNATED  
HOSPITALS WITH  
ISOLATION  
FACILITIES.



PROTOCOLS  
ARE IN PLACE FOR  
FOLLOW UP OF  
CASE CONTACTS  
TO ENSURE THAT  
THE VIRUS DOES  
NOT SPREAD



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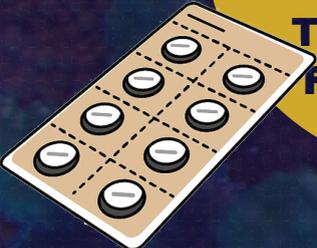
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# HOW CAN COVID-19 INFECTIONS BE TREATED?

## TREATMENT IS SUPPORTIVE



**PROVIDE OXYGEN FOR PATIENTS WITH SHORTNESS OF BREATH OR TREATMENT FOR FEVER**



**THERE IS NO SPECIFIC ANTIVIRAL TREATMENT AVAILABLE**



**ANTIBIOTICS DO NOT TREAT VIRAL INFECTIONS. HOWEVER, ANTIBIOTICS MAY BE REQUIRED IF SECONDARY INFECTIONS DEVELOPS.**



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# WHO CAN I CONTACT? FOR MORE INFORMATION ON COVID-19?

FOR MEDICAL/CLINICAL RELATED  
QUERIES BY HEALTH  
CARE PROFESSIONALS ONLY,  
CONTACT THE

**NICD HOTLINE**  
**082 883 9920**

FOR USE BY HEALTHCARE  
PROFESSIONALS ONLY



[www.sacoronavirus.co.za](http://www.sacoronavirus.co.za)



[www.nicd.co.za](http://www.nicd.co.za)



FOR LABORATORY RELATED QUERIES  
CALL THE CENTRE FOR RESPIRATORY DISEASES

**011 555 0315/7/8**  
**OR**  
**011 555 0488**



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