

## Understanding the Pandemic - an Overview



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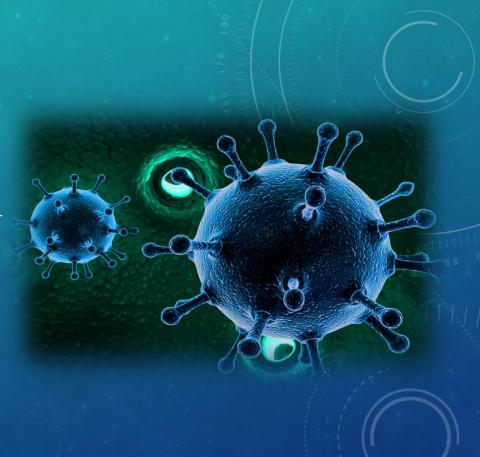
#### CORONAVIRUS

- Coronavirus may cause illness in animals or humans
- common respiratory infections- common cold
- More severe diseases:

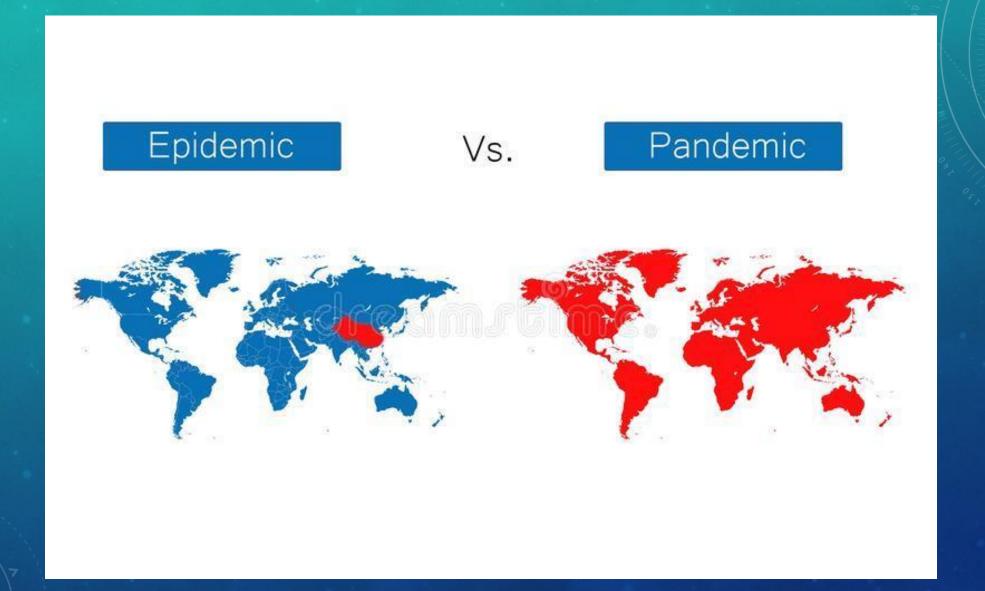
Severe Acute Respiratory Syndrome (SARS)

Middle East Respiratory Syndrome (MERS)

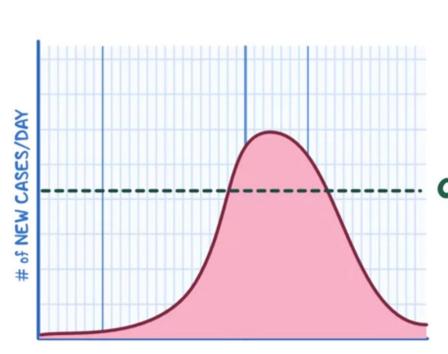
COVID-19 caused by the SARS-CoV-2 virus

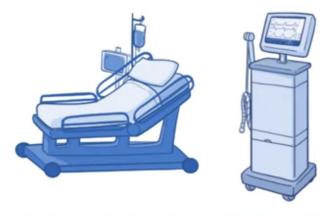


## WHAT IS A PANDEMIC?



## THE EPIDEMIC CURVE



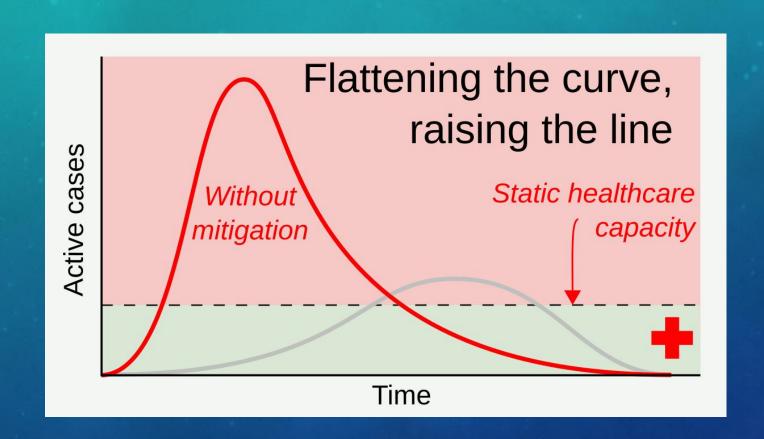


#### CAPACITY of HEALTHCARE SYSTEM

L USUALLY working near FULL CAPACITY



### FLATTEN THE CURVE, RAISE THE LINE



### MORTALITY

AGE, years	CASE FATALITY RATE, %
0-9	
10-19	0.2
20-29	0.2
30-39	0.2
40-49	0.4
50-59	1.3
60-69	3.6
70-79	8.0
> 80	14.8

COMORBID	CASE FATALITY RATE, %		
HYPERTENSION	6.0		
DIABETES	7.3		
CARDIOVASCULAR DISEASE	10.5		
CHRONIC RESPIRATORY DISEASE	6.3		
CANCER (any)	5.6		

## **INDIA**





155227

**Active Cases** 



186934

**Cured/ Discharged** 



11903

Deaths



1

Migrated

Covid-19 India Dashboard

## **KARNATAKA**



7530

Confirmed



2976

Active



4456

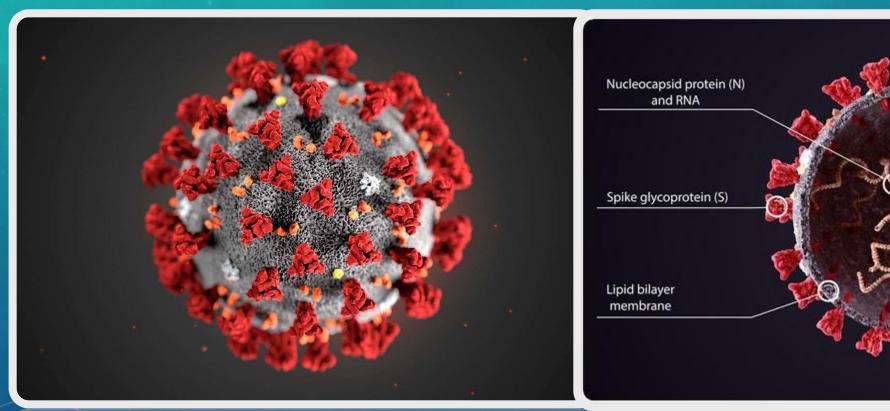
Recovered

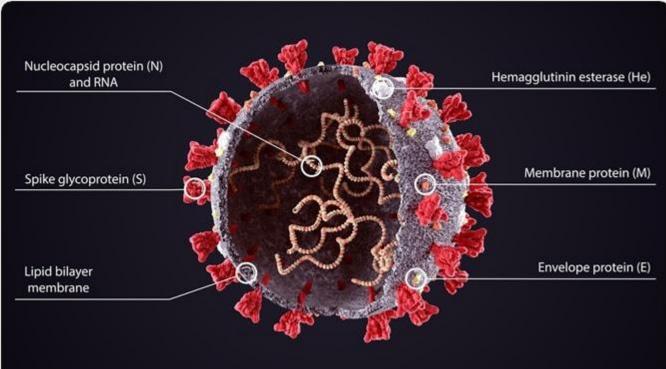


94

Deceased

### CORONAVIRUS STRUCTURE





#### HOW LONG CAN THE CORONAVIRUS LIVE ON SURFACES?

SURFACE		LIFESPAN OF	F COVID-19 VIRUS	SURFACE		LIFESPAN	OF COVID-19 VIRUS
Pape pape	er and tissue	3 hours			Stainless steel*	2-3 days	
Сорр	per*	4 hours		0	Polypropylene plastic*	3 days	
Cardle	board*	24 hours			Glass**	4 days	
Wood	d**	2 days		000	Paper money**	4 days	
Cloth	1**	2 days			Outside of surgical mask**	7 days	

\*At 69.8 to 73.4°F (21 to 23 °C) and 40% relative humidity

\*\*At 71°F and 65% relative humidity

Source: New England Journal of Medicine\*; The Lancet Microbe\*\*

BUSINESS INSIDER

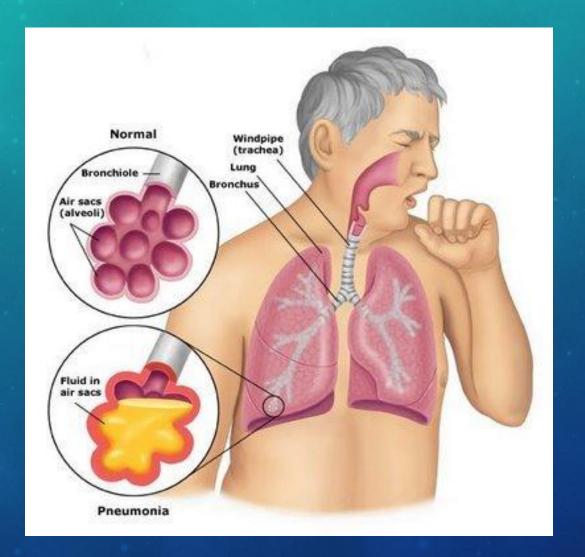
DISINFECTING
HIGH-TOUCH
SURFACES



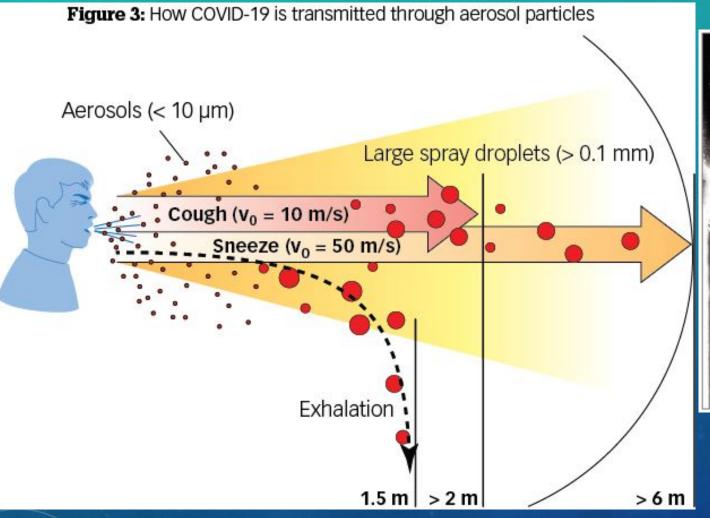


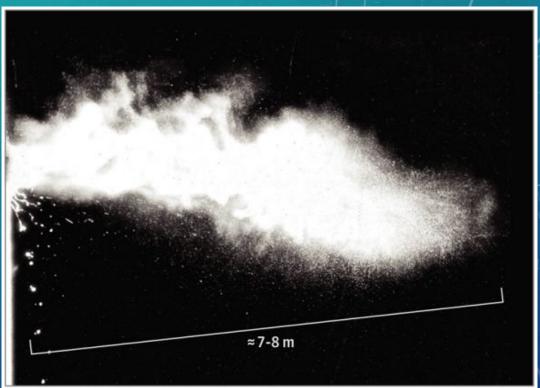


## SOME CASES DEVELOP SERIOUS ILLNESS



#### SPREAD OF COVID-19





## PREVENTION OF COVID-19





## FREQUENT HAND-WASHING: 20 SECONDS AT LEAST



### HAND-WASHING STEPS



## COUGH ETIQUETTE



Cover your mouth and nose with a tissue when you cough or sneeze.



Cough or sneeze into your sleeve or elbow, not your hands.

OR

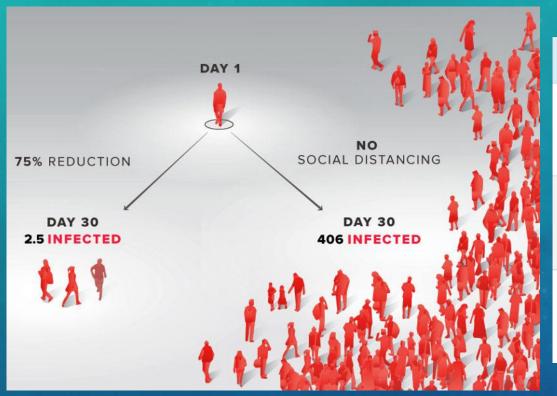


Place your used tissues in the rubbish bin.



Wash your hands with soap and water, or sanitise with alcohol based hand gel.

## SOCIAL DISTANCING -HOW IT HELPS



Scenario	5 Day Period	30 Day Period
No social distancing practiced	1 person infects 2.5* others	<b>406</b> people infected as a result
50% reduction in social exposure	1 person infects 1.25* others	15 people infected as a result
75% reduction in social exposure	1 person infects 0.625* others	2.5 people infected as a result

\*For estimations only. It is not possible to infect only a fraction of another person.

### SOCIAL DISTANCING

## WHAT IS IT?







Keep at least 6ft (2m) apart from others Avoid non-essential gatherings and crowds

Limit contact with those at higher risk

#### SOCIAL DISTANCING

## WHAT CAN YOU DO?







Work from home whenever possible Greet with a wave, not handshakes or hugs Avoid going out, except for essentials

Source: Government of Canada

## WEAR YOUR MASK TO KEEP YOURSELF AND OTHERS SAFE



## HOW TO WEAR A NON-MEDICAL FABRIC MASK SAFELY who.int/epi-win

## Do's



Clean your hands before touching the mask



Inspect the mask for damage or if dirty



Adjust the mask to your face without leaving gaps on the sides



Cover your mouth, nose, and chin



Avoid touching the mask



Clean your hands before removing the mask



Remove the mask by the straps behind the ears or head



Pull the mask away from your face



Store the mask in a clean plastic, resealable bag if it is not dirty or wet and you plan to re-use it



Remove the mask by the straps when taking it out of the bag



Wash the mask in soap or detergent, preferably with hot water, at least once a day



Clean your hands after removing the mask

#### WEARING YOUR MASK

## Don'ts -



Do not wear the mask under the nose



Do not remove the mask where there are people within 1 metre



Do not use a mask that is difficult to breathe through



Do not use a mask that looks damaged



Do not wear a dirty or wet mask



Do not wear a loose mask

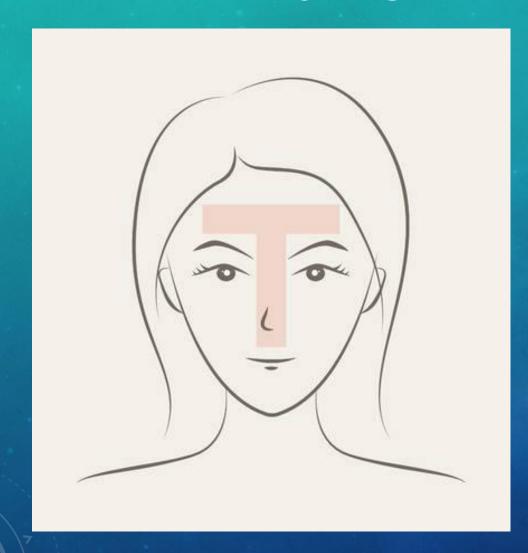


Do not share your mask with others

A fabric mask can protect others around you. To protect yourself and prevent the spread of COVID-19, remember to keep at least 1 metre distance from others, clean your hands frequently and thoroughly, and avoid touching your face and mask.



## PROTECT THE T-ZONE





## BOOST YOUR IMMUNITY: EAT WELL







## BOOST YOUR IMMUNITY WITH EXERCISE



## BOOST YOUR IMMUNITY: SLEEP WELL



## AVOID SMOKING AND ALCOHOL



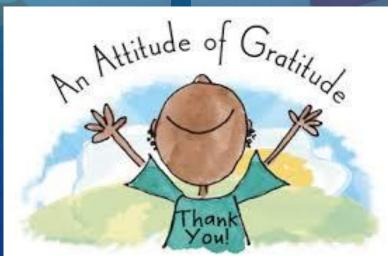
## STAY POSITIVE











#### **CREDITS**

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