Covid-19: A Quick Overview to The Current Pandemic

Members:

- Odin Del Toro
- Bernardo Jardon
- Miguel Bonachea
- Pablo Arroyo

Covid – 19: Disease Overview

Background Information

Name

Virus:

SARS-COV-19

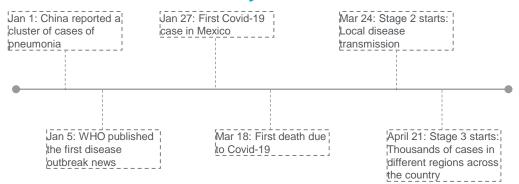
Disease:

Corona Disease 2019
Virus

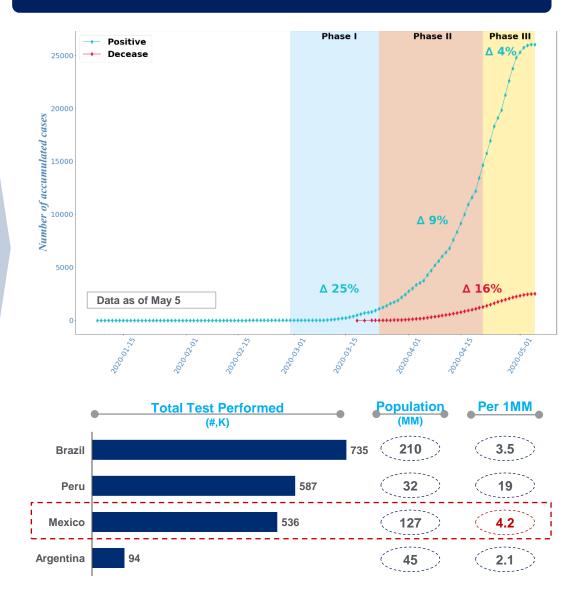
Transmission

- Spreads through droplets when we sneeze, cough or speak
- Can enter us directly through our eyes, nose or mouth
- The virus can also life on a lot of surfaces for hours so anyone can pick it up on their hands and infect themselves when touching their face (~500 times a day)
- You can be infected and not have any symptoms

Disease Timeline Summary:

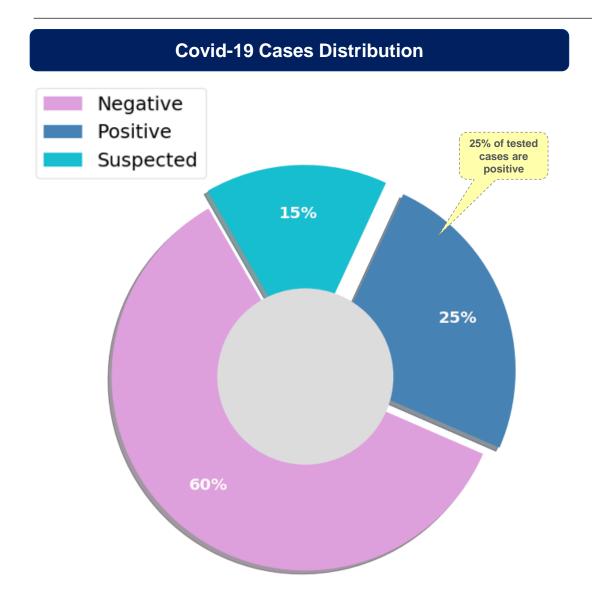


Covid-19 Current Rate of Transmission of 4%





Covid – 19: How Contagious It Can Be?

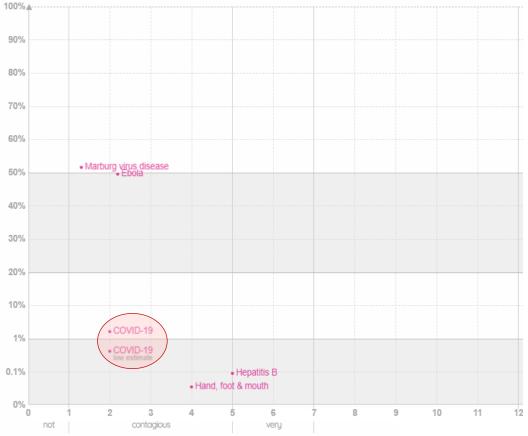


Is it More Contagious than Other Pandemics?

As of today it is not clear yet, it is deadlier than

Measles but less contagious. Far less deadly than

Ebola but no were near Smallpox

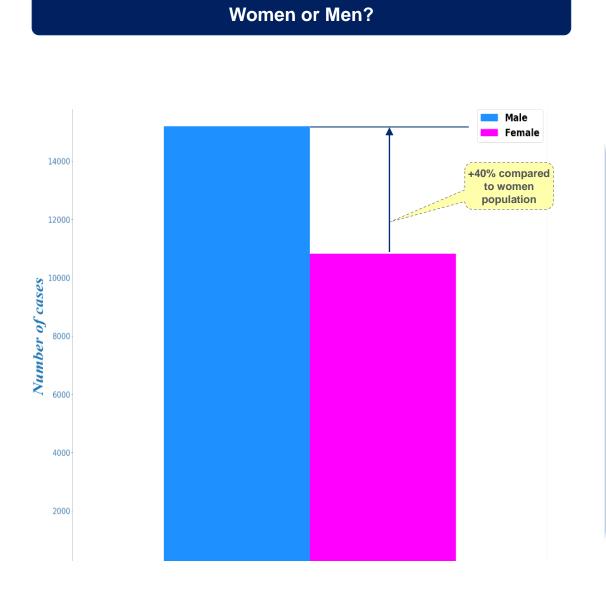


<u>Source</u>: information is beautiful. (2020). *The MicrobeScope – Infectious Diseases in Context.* [Scatter Plot Visualization]. informationisbeautiful.net.

https://informationisbeautiful.net/visualizations/the-microbescope-infectious-diseases-in-context/



Covid – 19: No Clear Answer as to Who is More Prune to Get Infected



There is **no clear understanding** why the risk is higher for men.

Some hypothesis are:



Biological Factors



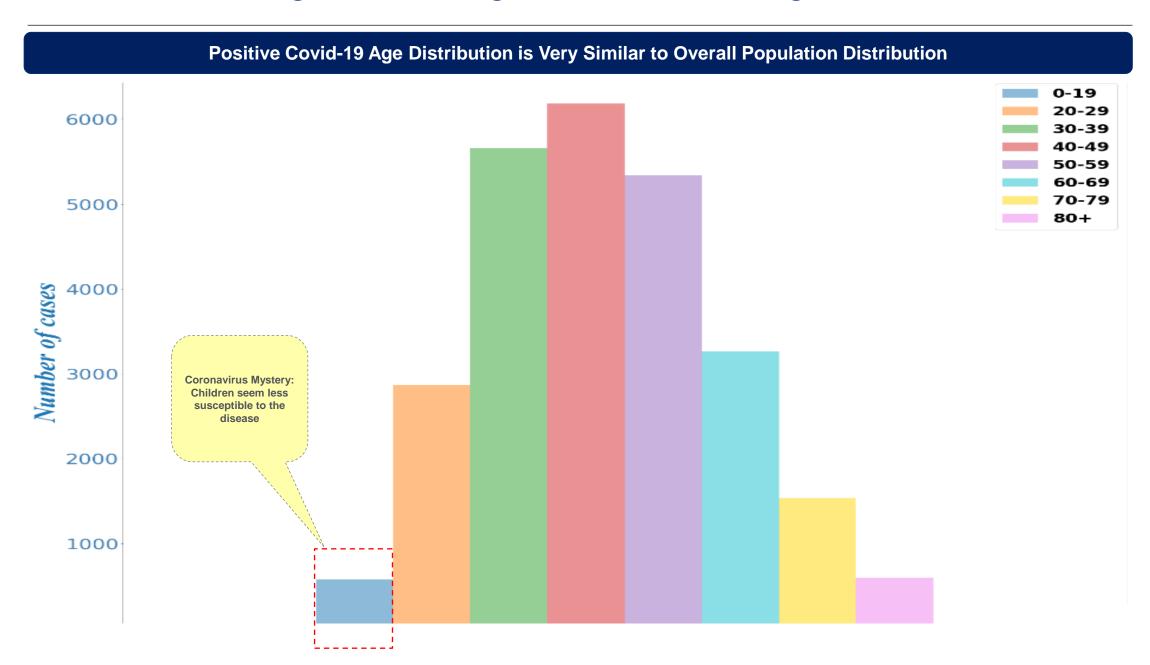
Men are more likely to smoke



 A greater percentage of woman wash their hands

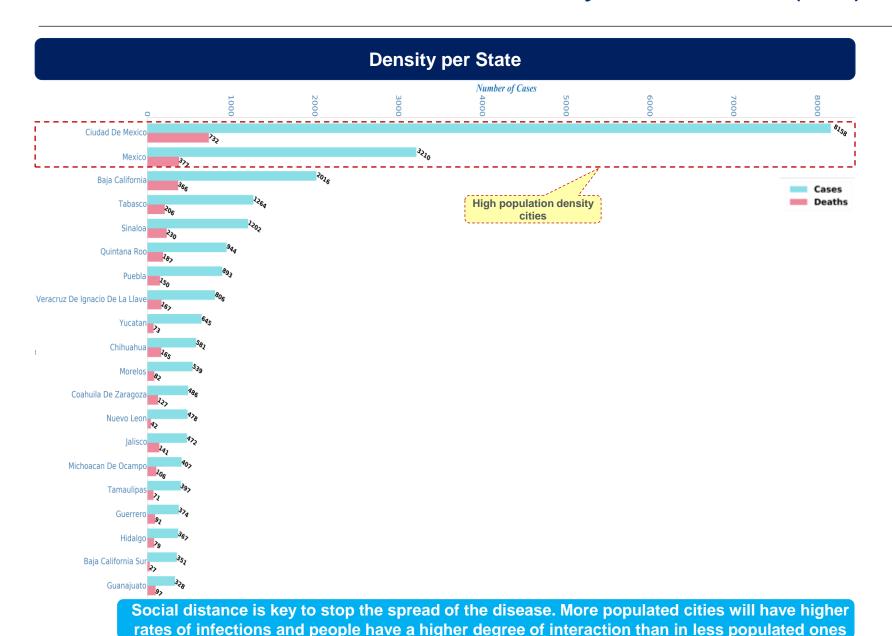


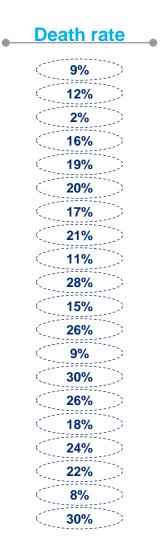
Covid – 19: Is Age a Defining Factor to Getting Infected?





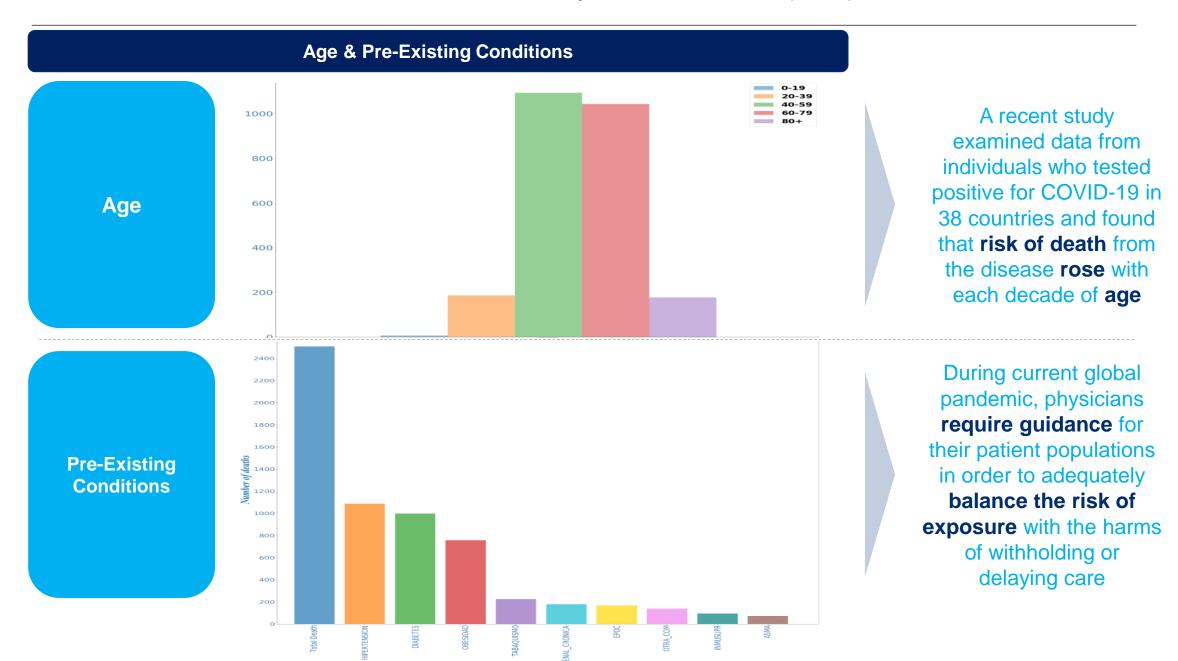
Covid – 19: Mild for Some, Deadly for Others (1/3)





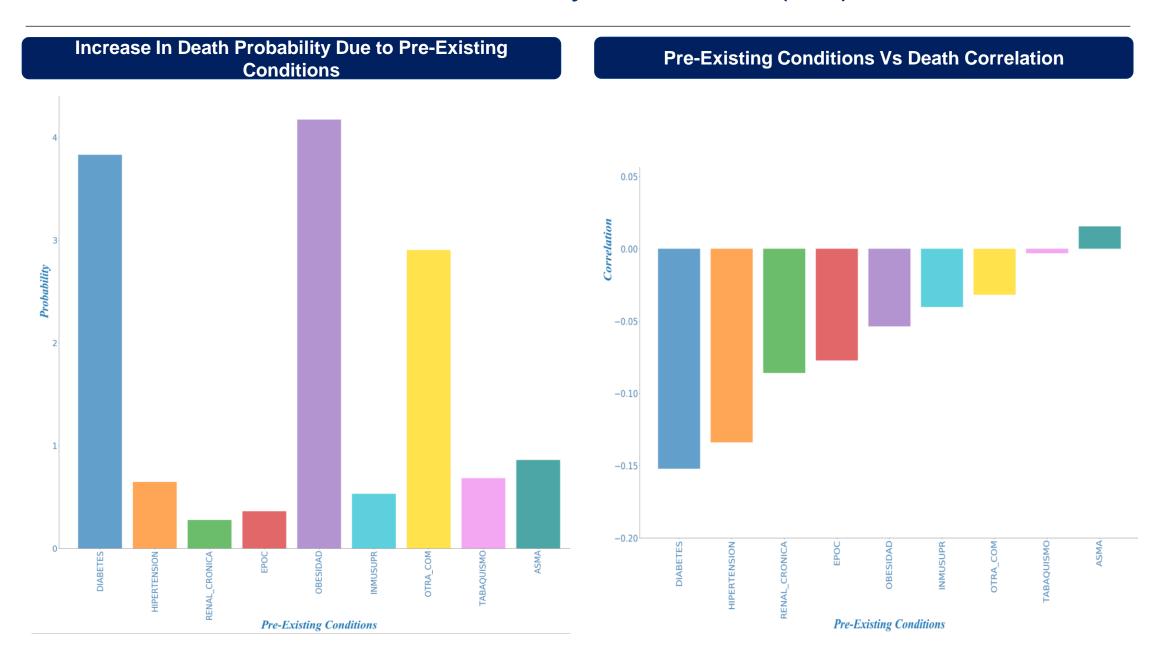


Covid – 19: Mild for Some, Deadly for Others (2/3)



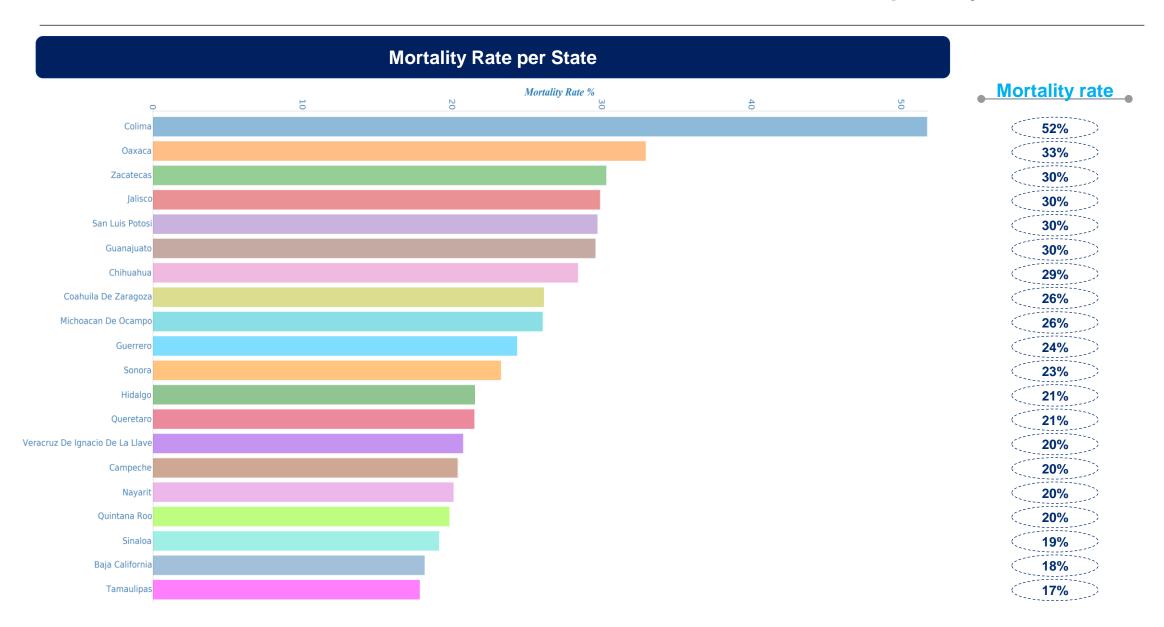


Covid – 19: Mild for Some, Deadly for Others (3/3)





Covid – 19: Deadliest Variable, Health Care Overcapacity

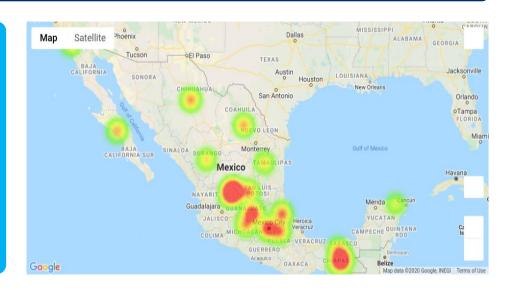




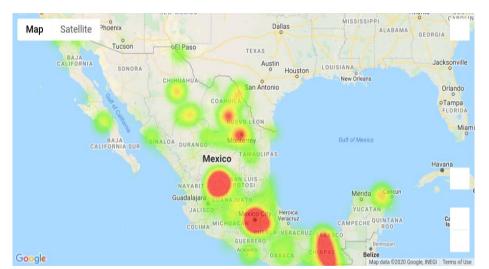
Covid – 19: How Is The Disease Spread Across Mexico

CDMX Has The Highest Number of Infections and Deaths

Covid-19 Infections



Deaths Due To Covid-19



Demand For Medical Health Care is Surpassing the System Capacity

Hospital Locations



Saturation in hospitals serving patients with coronavirus in CDMX

El Economista

42 Hospital in Valle have no availability for patients with Covid-19

Expansión /



Conclusions:

1 Co

Covid-19 is a virus that has a high rate of transmission

2

Younger population tend to have lower rate of infections

 $\left(\begin{array}{c}3\end{array}\right)$

Age and Respiratory pre-conditions increases the probability of death



The health system could reach a point of oversaturation, which could cause an increase in the mortality rate

Thanks!

& Stay At Home