

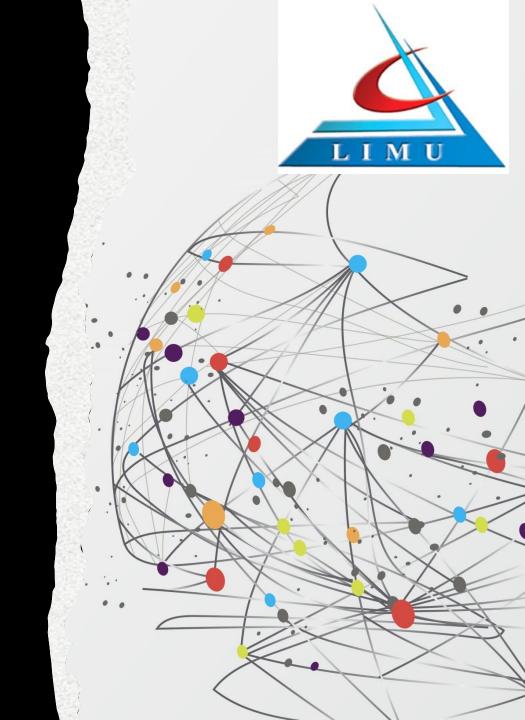
# Coronavirus vaccine acceptance

A comparative study between developing & developed countries

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PTS block



#### Define

• **Covid-19** 

#### **Outline**

- Concerns related to COVID-19
- Consequences of being Anti-Vax

#### **Discuss**

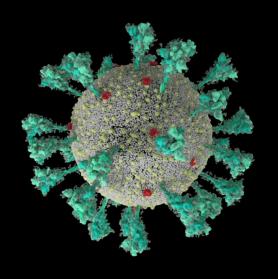
- Pathogenesis of COVID-19
- Symptoms
- Similarities of COVID vaccine acceptance in developing and developed countries.
- What influences the general public opinion



### Introduction: Coronavirus (SARS-Cov2)

- □Coronaviruses caused by SARS-Cov2 are a broad viral family that can infect a wide variety of hosts. Human infections such as the common cold, Severe Acute Respiratory Syndrome (SARS), and Middle East Respiratory Syndrome (MERS) have been linked to them.
- ☐ It can range anywhere from mild to severe and cause a multitude of complications, including death.
- ☐ It is highly contagious and can be passed from person to person.
- ☐ The best way to protect yourself is to get vaccinated.

### Symptoms





Symptoms regarding Covid-19 are usually classified into three categories.



Mild: (Upper Respiratory tract), rhinosinusitis, pharyngitis, loss of taste and smell, nausea, asymptomatic.



Moderate: Persistent fever (above 38°C), wet cough with phlegm, dizziness.



Severe: Pale/blue skin, hemoptysis, anuria, fainting.



Image depicting the virus attacking the respiratory system

Image depicting a medical personnel helping a patient



### Pathogenesis Of COVID-19

- □ Coronavirus (COVID-19) is caused by severe acute respiratory syndrome coronavirus-2, commonly known as (SARS CoV-2). It is a highly contagious single stranded RNA virus genetically related to SARS-COV.
- □ The lungs are the main organs that are affected immediately, leading to pneumonia and respiratory failure in severe cases. Occasionally, patients may exhibit gastro-intestinal, cardiac and neurologic symptoms. Other organs like the liver and kidneys may be involved after the diagnosis.

- ☐ Vaccines are highly effective medical tools for disease prevention.
- □Anti-vax ideologies
- ☐ Hysteria surrounding vaccine-associated risks has resulted in a declining number of vaccinations in developed countries.
- ☐ The top main concerns regarding this hysteria are;
- Causes health issues ( I.e., autism, infertility issues)
- Lack of trust in government to ensure vaccine safety and effectiveness
- The vaccine is too new
- Government control

# Outline the consequences of being Anti/vax

- □Online misinformation can lead to obvious dangerous consequences.
  We saw this firsthand during the COVID-19 global pandemic.
  Misinformation caused wide hysteria in communities, online, etc.
- □ Refusing to vaccinate could lead to re-emergence of vaccine-prevented diseases (T.M, Measles, etc.).
- □ Disrupts herd immunity.



## Discuss the similarities of covid vaccine acceptance between developing and developed countries

- □ In both developed and developing countries misinformation, and uncredited news reports have tried to negatively influence the public.
- A strategic way to combat this could be; initiating communication plans with spokespeople, establishing partnerships (I.e., CDC, WHO, UNICEF), Identify potential threats to the general public's confidence in vaccine safety, construct messages about COVID-19 vaccine safety using an evidence-based approach.



# Discuss what can positively influence the general public's response.

- ☐ Trusted government officials
- □ Certified medical Organizations
- □ An effective and easy way to make health information accessible to everyone (l.e., Ads, pamphlets, infographics).
- □ Case studies that states the data in a clear and understandable way for the public to understand

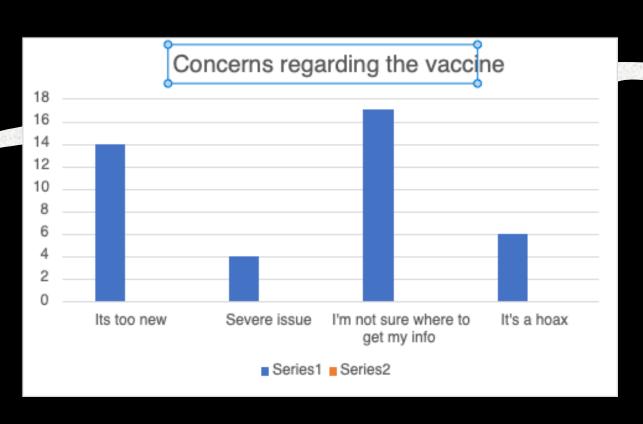


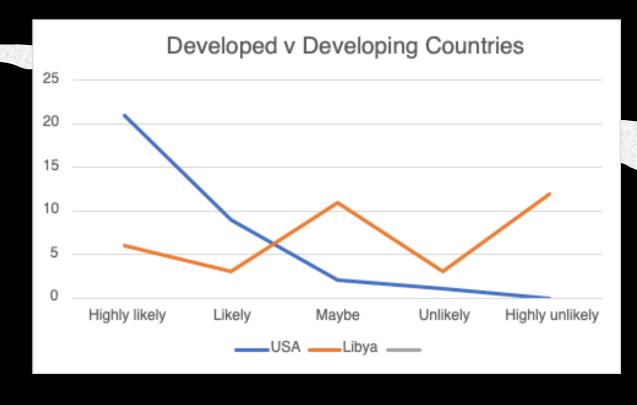


Discuss what can negatively influence the general public's response.

- **■**Misinformation
- □ Conspiracy theories
- ☐ Fake news
- **□**Bots
- ☐ Unreliable websites, and case studies not factchecked

## Comparison between developed and developing countries





### Conclusion

- □ Vaccines in developing countries is crucial for the nation's safety and security
- ☐ Most developing countries do not have the resources to defend themselves against a deadly outbreak. They lack medical resources, and trust-worthy government officials to establish order during times of distress and confusion
- ☐ The lack of said resources could potentially create conflict and lead to wide-spread hysteria
- ☐ Educating citizens, the importance of being vaccinated can completely avoid this



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