

# **REPORT**

## **1. Likelihood of Death per Infection:**

- Identified that China has the lowest likelihood (1.1%) and India has the highest (4.7%) of a person dying if infected.
- **Solution:** Further investigate factors contributing to these variations, such as healthcare infrastructure, demographics, and healthcare practices.

## **2. Likelihood of Death per Vaccination:**

- Discovered that China has the lowest likelihood (0.002%) and Iran has the highest (35.165%) of a person dying if vaccinated.
- **Solution:** Investigate the vaccination rollout and quality of healthcare in Iran to understand and address the high death likelihood.

## **3. Likelihood of Infection per Vaccination:**

- Found that China has the lowest likelihood (0.055%) and Iran has the highest (1224.677%) of a person getting infected if vaccinated.
- **Solution:** Investigate the vaccination strategy in Iran to identify reasons behind the high infection likelihood and implement corrective measures.

## **4. Highest Death Rate Relative to Population:**

- Brazil was identified as having the highest death rate relative to population, while China has the lowest (0.00033%).
- **Solution:** Analyze healthcare infrastructure and pandemic management strategies in Brazil to address the high death rate.

## 5. Total Population by Continent:

- Explored the total population for each continent.
- **Solution:** Use this data to allocate resources and plan healthcare strategies based on continent-wise population.

## 6. Average Infection Rate by Location:

- Noted the variation in average infection rates, with the US having the highest (0.02%) and Australia the lowest (0.0002%).
- **Solution:** Investigate factors contributing to high infection rates in the US and implement targeted interventions.

## 7. Vaccination Percentage by Location:

- Observed that the US and UK have vaccination percentages above 50%, while other countries are below 40%.
- **Solution:** Assess and address barriers to vaccination in countries with lower percentages to achieve broader immunity.

## 8. Average Vaccination Rate by Continent:

- Revealed that the US has the highest average vaccination rate, and the Netherlands has the lowest.
- **Solution:** Study the vaccination rollout in the Netherlands and implement strategies to improve vaccination rates.

## 9. Locations with the Highest Infection Rates:

- Identified the US as having the highest infection rates and Australia the lowest.
- **Solution:** Analyze the reasons for high infection rates in the US and implement targeted public health measures.

These findings provide a basis for further investigation and targeted interventions to address disparities and improve COVID-19 management strategies globally.