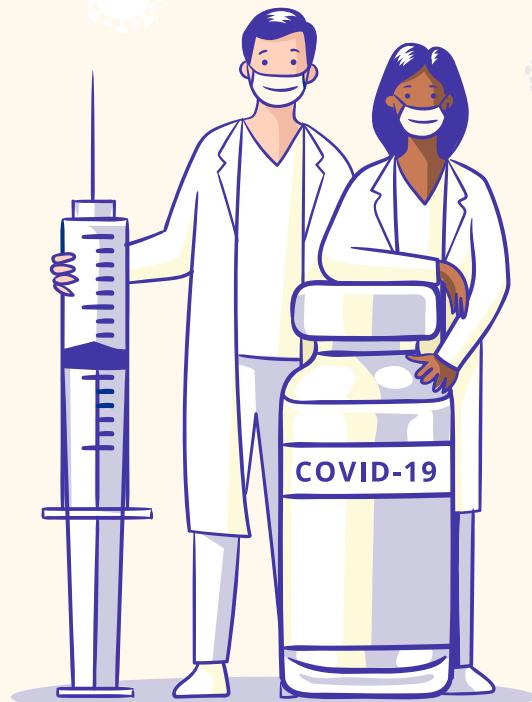


# COVID-19 World Vaccination Progress

**Group #4:** Aqsa Noreen, Yaira Falcon, Abdiel Ngando





# Table of Contents

01

**Introduction**

02

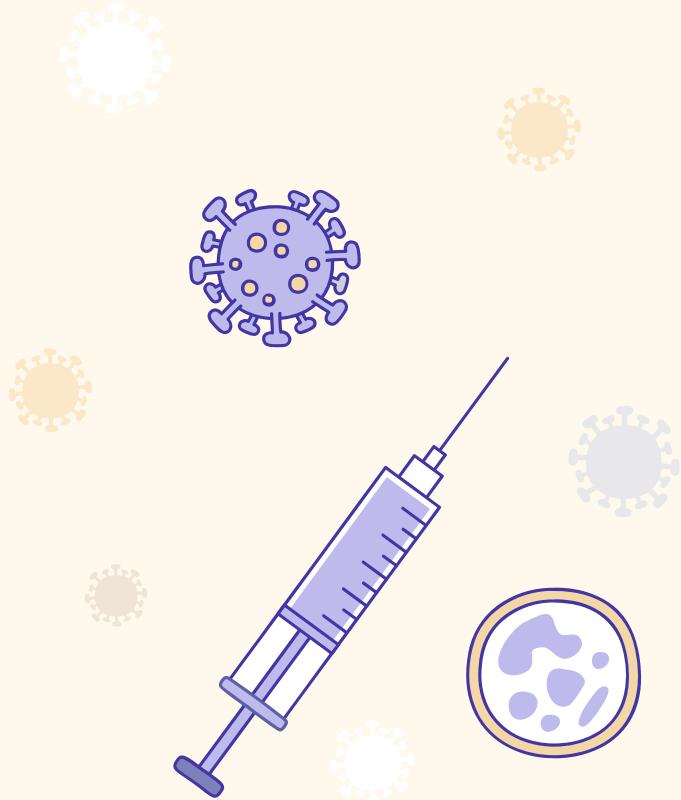
**Visualizations**

03

**Dashboards**

04

**Storyboards**



# Context

Our dataset is from [Kaggle!](#) This dataset includes information on COVID-19 vaccination progress by country and vaccine manufacturer. With this dataset, we created interactive dashboards to explore vaccination rates and trends across different countries and vaccine types.

# Questions we want to ask from the data:



- Which countries have the highest and lowest vaccination rates?
- How does the vaccination rate vary across different regions of the world?
- How has the vaccination rate changed over time for different countries?
- Are there any notable differences in vaccination rates between countries using different vaccine brands?
- What is the percentage difference between Vaccinated and fully Vaccinated?



# Process

## Planning

- Each member created four visualizations and then we came together as a team and created our dashboards and storyboards.
- Conducted multiple meetings to collaborate and help each other.

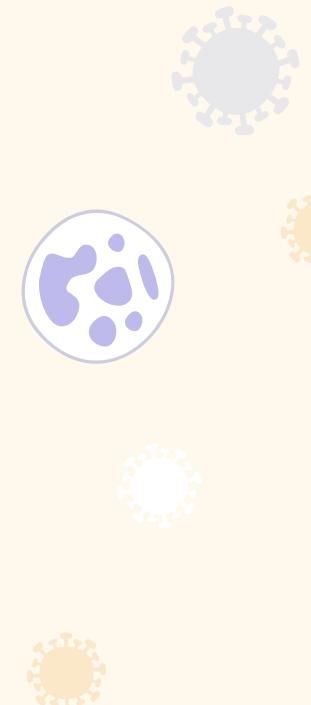
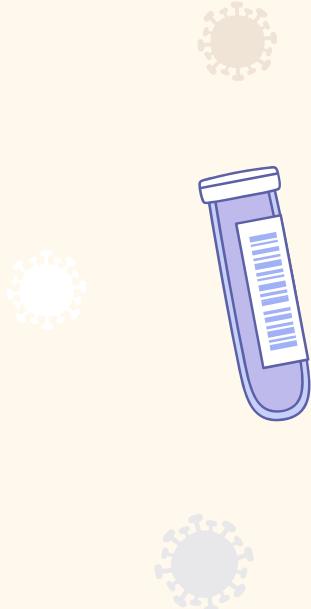
## Challenges

- Finding the dataset
- Asking the right questions
- Created meaningful visualizations for our intended audience

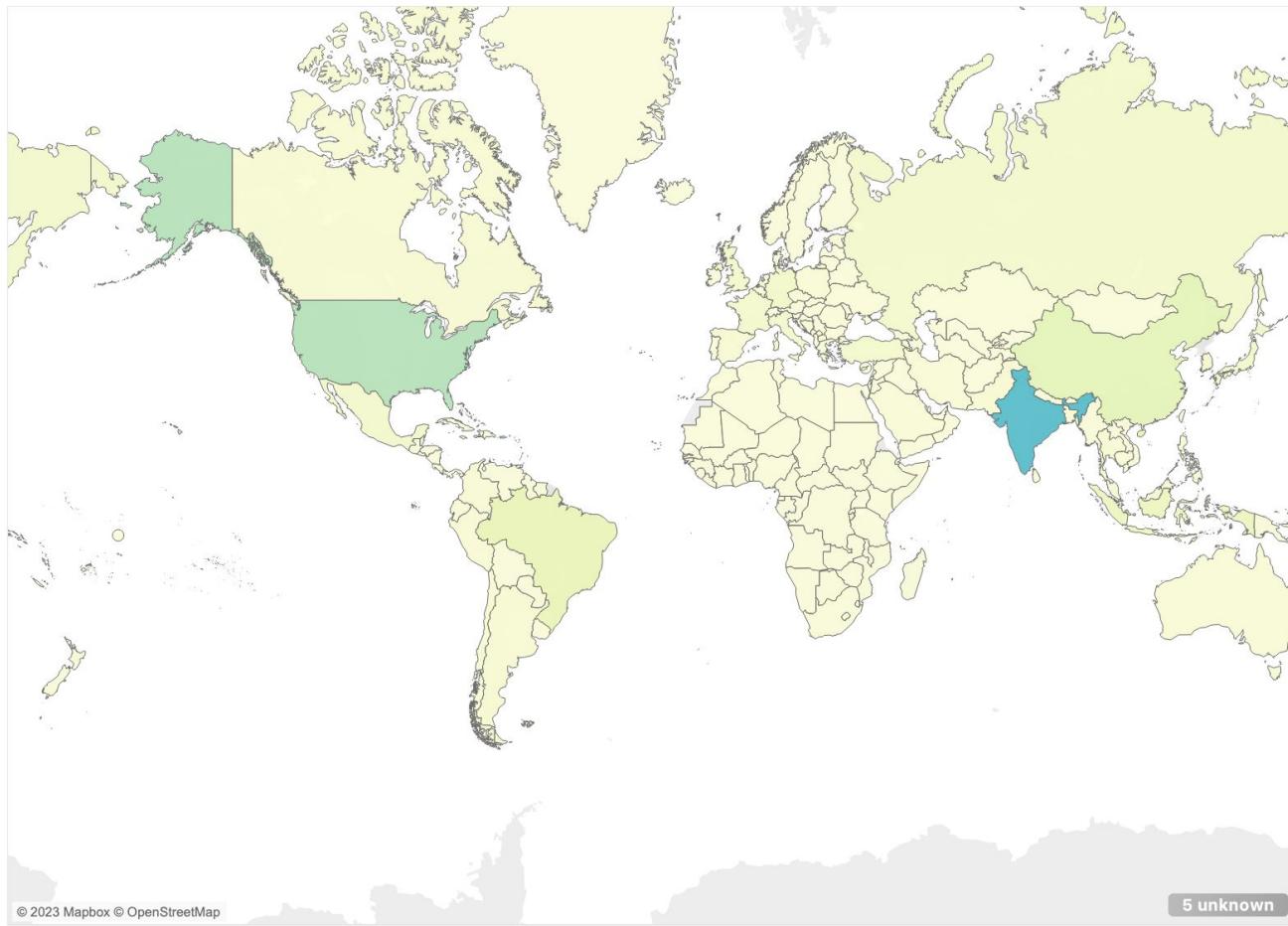
01



## Visualizations



## People Fully Vaccinated Around the World



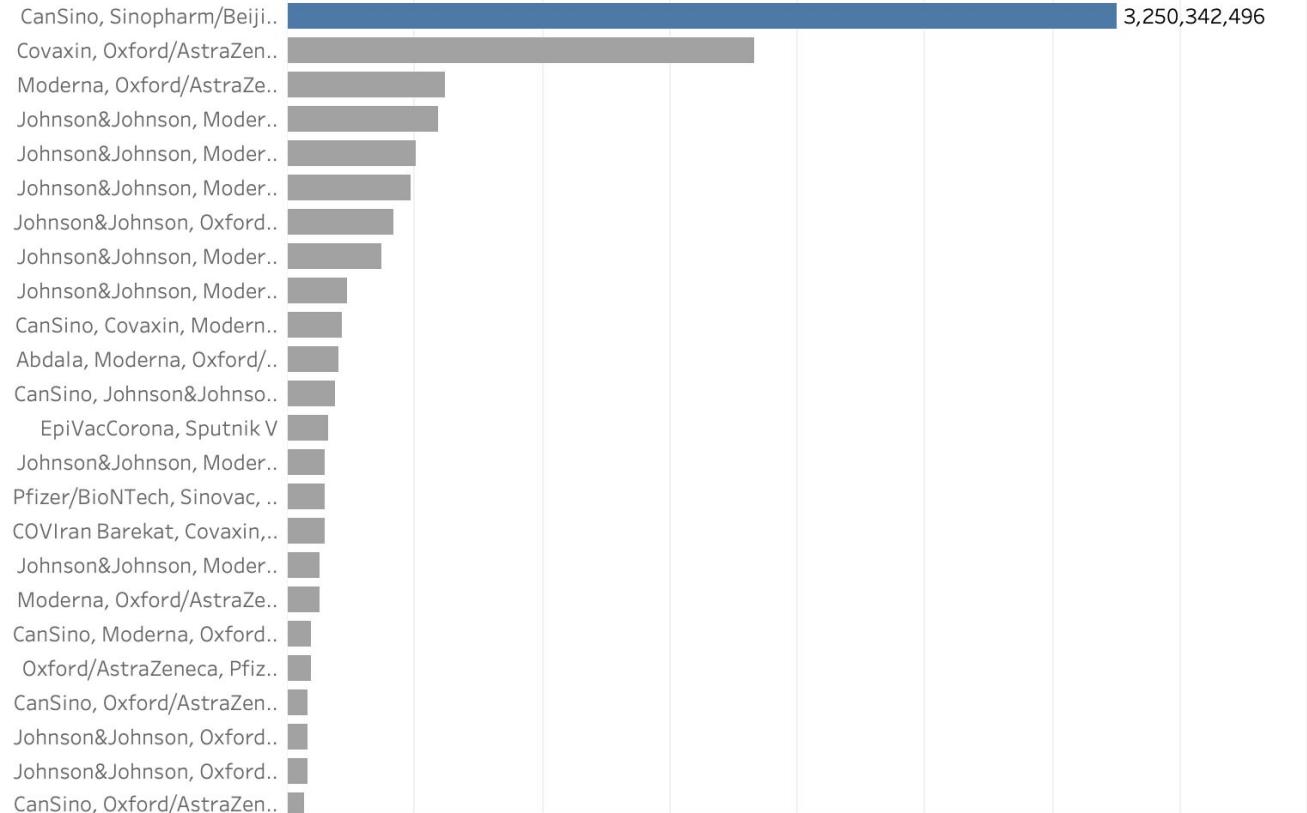



SUM(People Fully Vaccinated)



## Vaccine with Most Vaccinations

### Vaccines

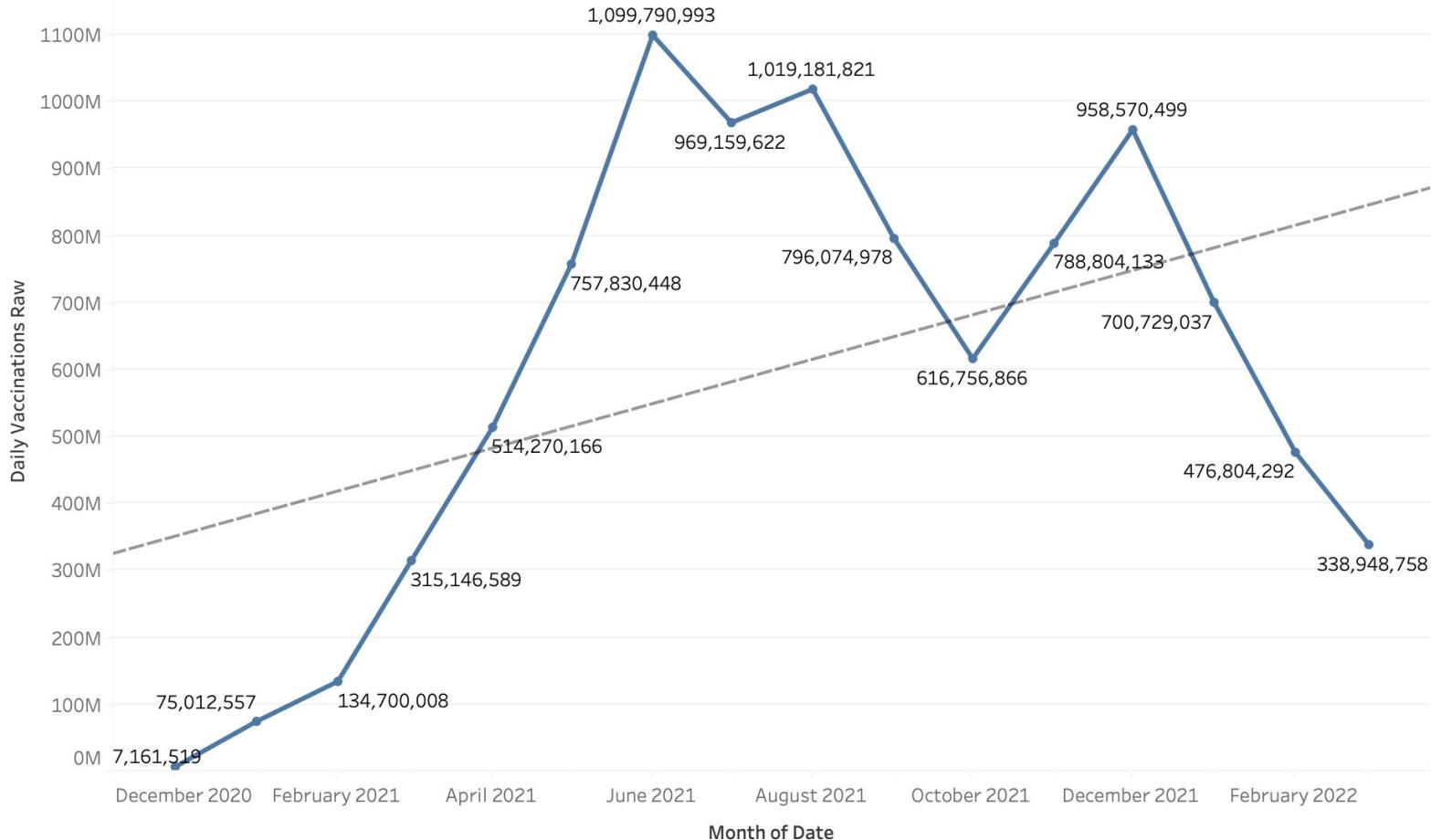


Daily Vaccinations

## Source with Fully Vaccinated People

National Health Commission 35,263,365,000	Centers for Disease Control and Prevention 66,636,073,783	Ministry of Health 42,723,479,507	State	
	Government of the United Kingdom 28,037,299,712	Public Health France	Prime	
	World Health Organization 14,416,994,393	Secretary of Health		
Government of India 116,436,444,996	Government of Indonesia 23,257,239,277	Official data from		
	Robert Koch Institut			

## Daily Vaccinations Over Time



01

## Dashboards



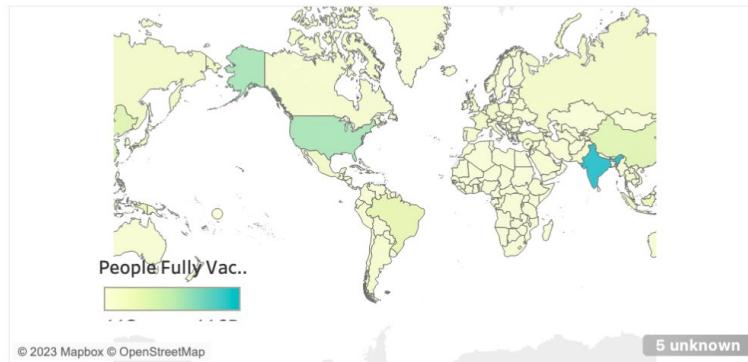
# COVID-19 World Vaccination Progress

Vaccines

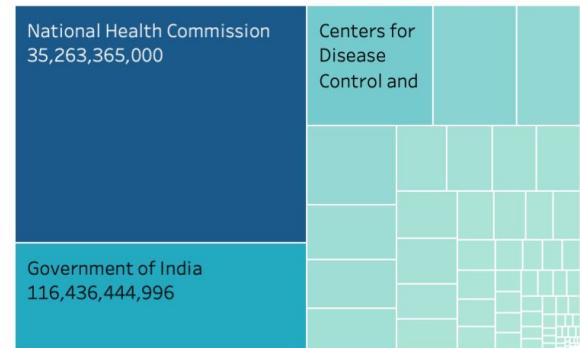
(All)

Abdala, Johnson&Johnson, Oxford/AstraZeneca, Pfizer/BioNTech, Soberana02, Sputnik Light, Sputnik V

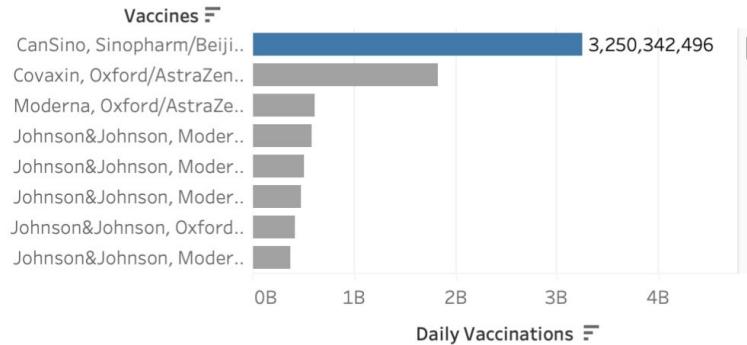
## People Fully Vaccinated Around the World



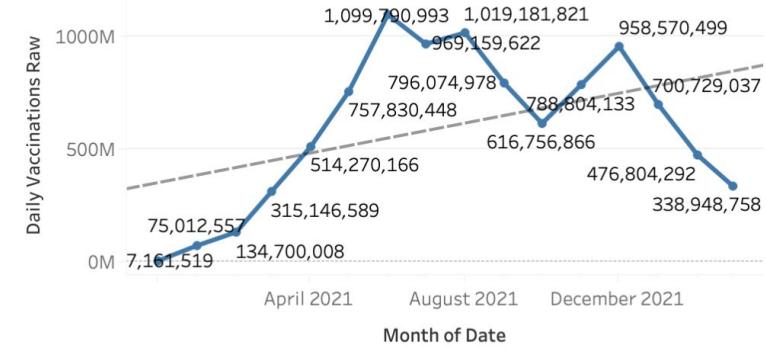
## Source with Fully Vaccinated People



## Vaccine with Most Vaccinations



## Daily Vaccinations Over Time





01

## Storyboards

This story illustrates that the country with the most vaccinated people is India. The source that distributed most of the vaccines is the Government of India. Lastly, the month with most vaccinations was September 2021.

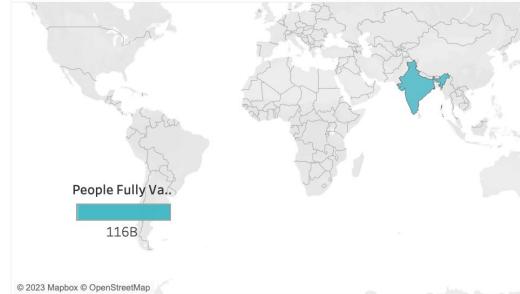
## COVID-19 World Vaccination Progress

Select a vaccine to filter results

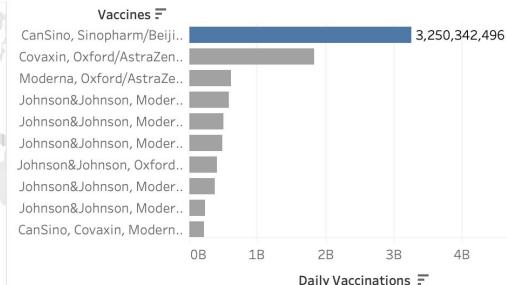
### Vaccines

- Covaxin, Oxford/AstraZeneca, Sinopharm/Beijing
- Covaxin, Oxford/AstraZeneca, Sputnik V

### People Fully Vaccinated Around the World



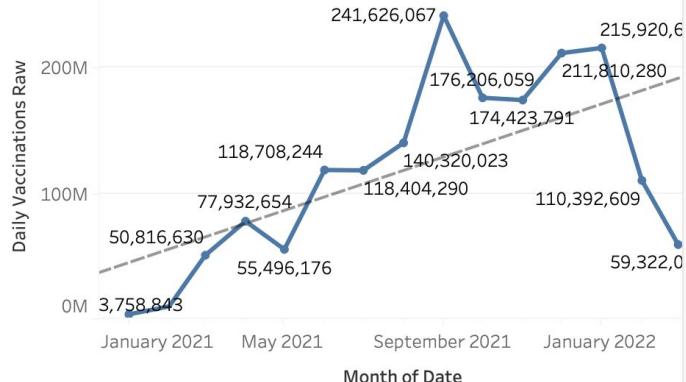
### Vaccine with Most Vaccinations



### Source with Fully Vaccinated People

Government of India  
116,436,444,996

### Daily Vaccinations Over Time





This story illustrates that the country with the one of the least most vaccinated people is Canada. The source that distributed most of the vaccines is from covid19tracker. Lastly, the month with most vaccinations was June 2021.

## COVID-19 World Vaccination Progress

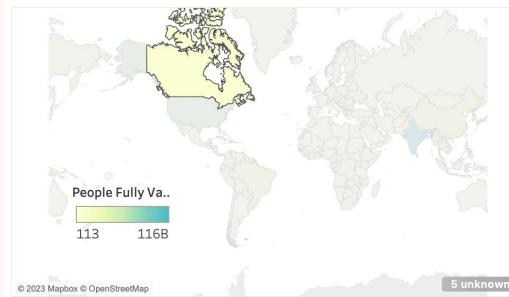
Select a vaccine to filter results

### Vaccines

(All)

Abdala, Johnson&Johnson, Oxford/AstraZeneca, Pfizer/BioNTech, Soberana02, Sputnik Light, Sputnik V

### People Fully Vaccinated Around the World



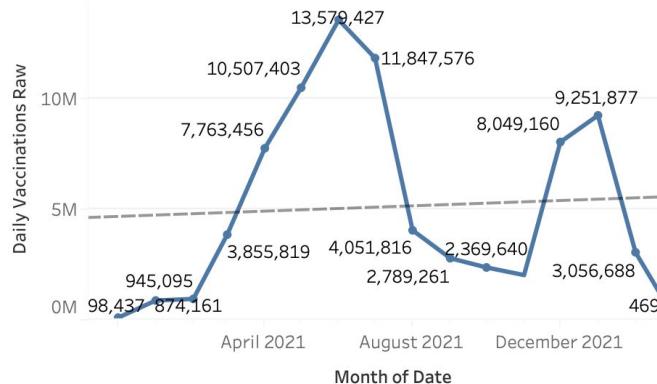
### Vaccine with Most Vaccinations



### Source with Fully Vaccinated People

Official data from provinces via covid19tracker.ca  
7,375,066,347

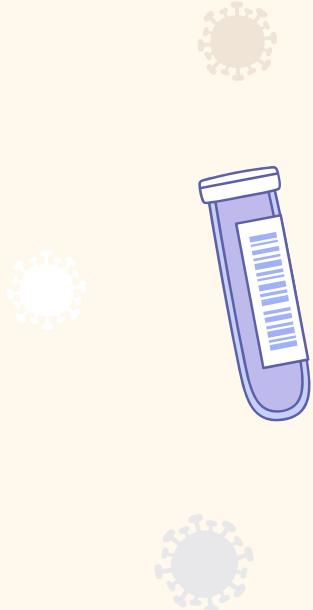
### Daily Vaccinations Over Time

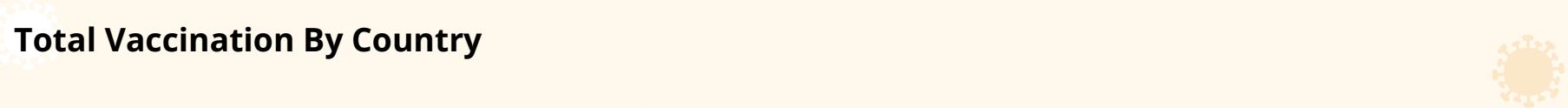


X

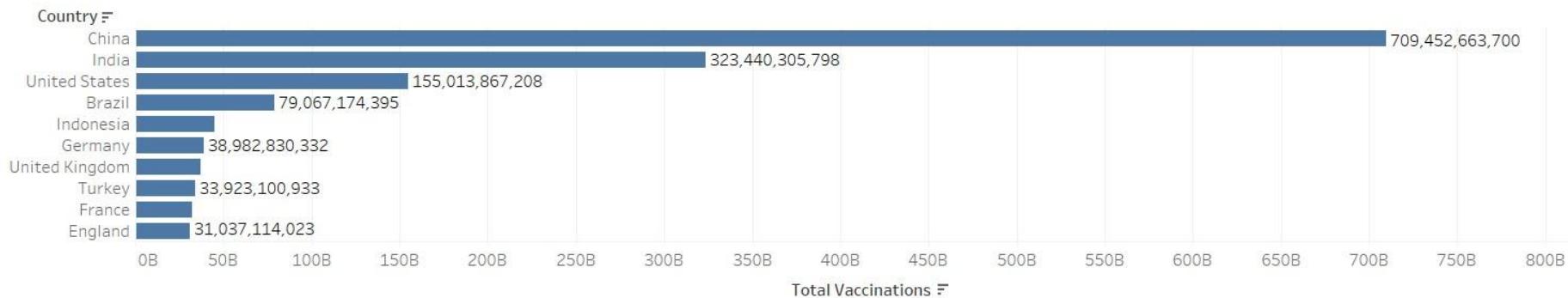
# 02

## Visualizations

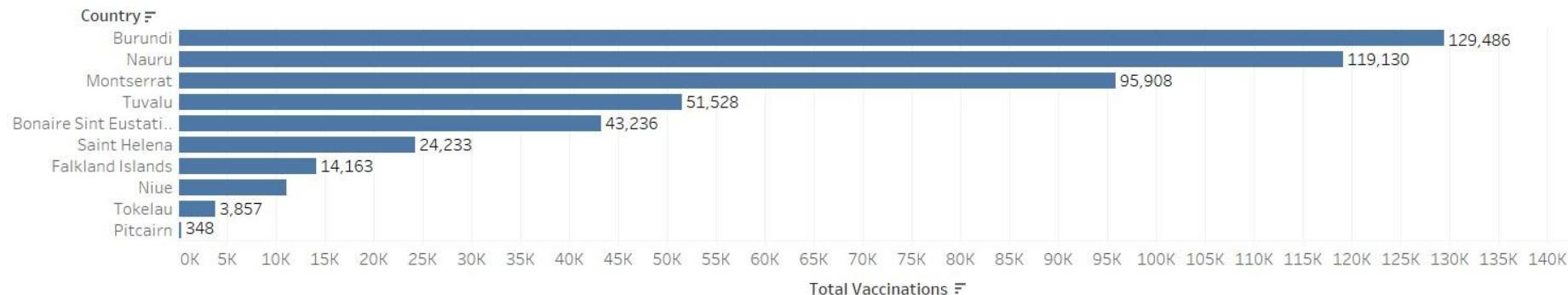




## Top 10 Countries



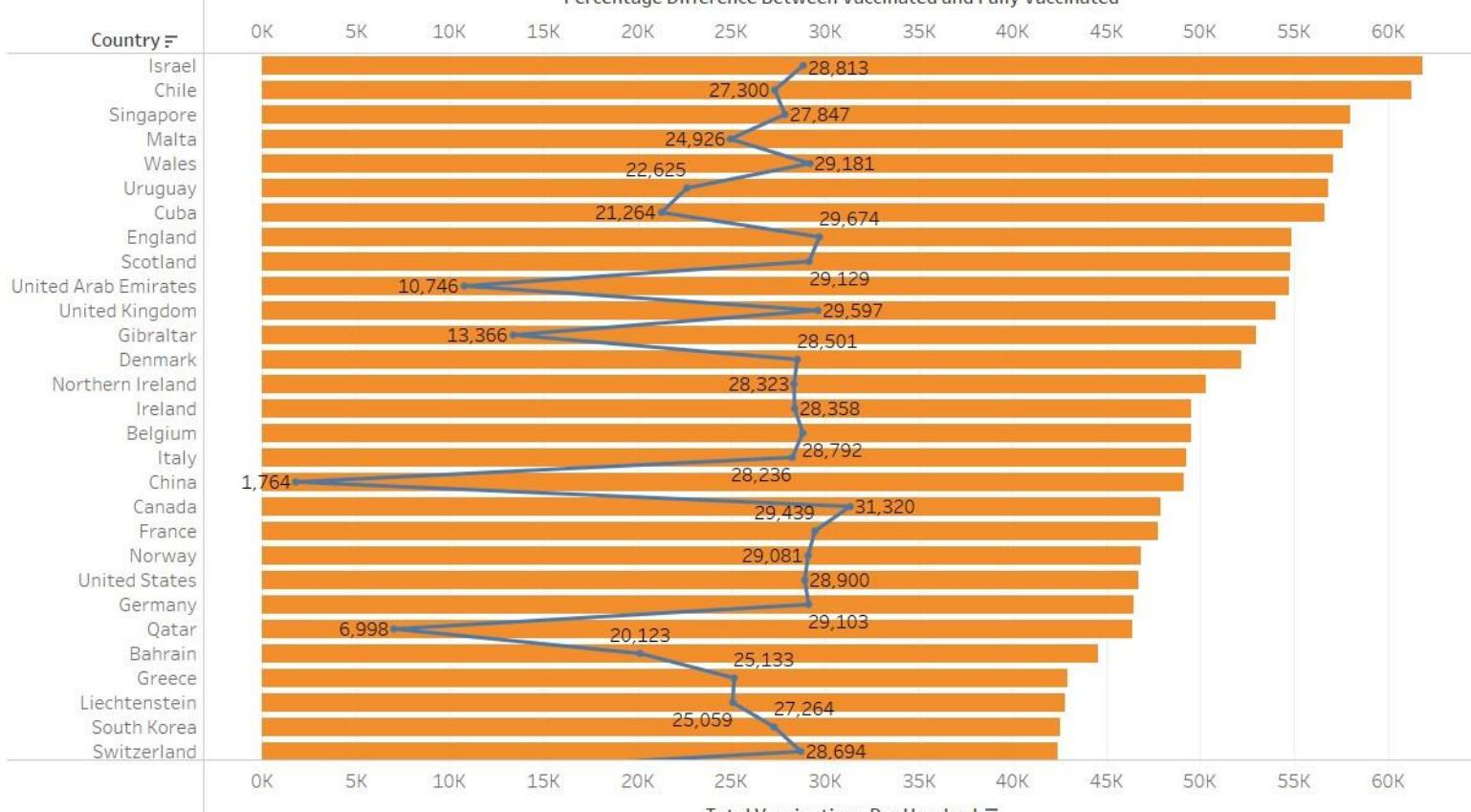
## Bottom 10 Countries



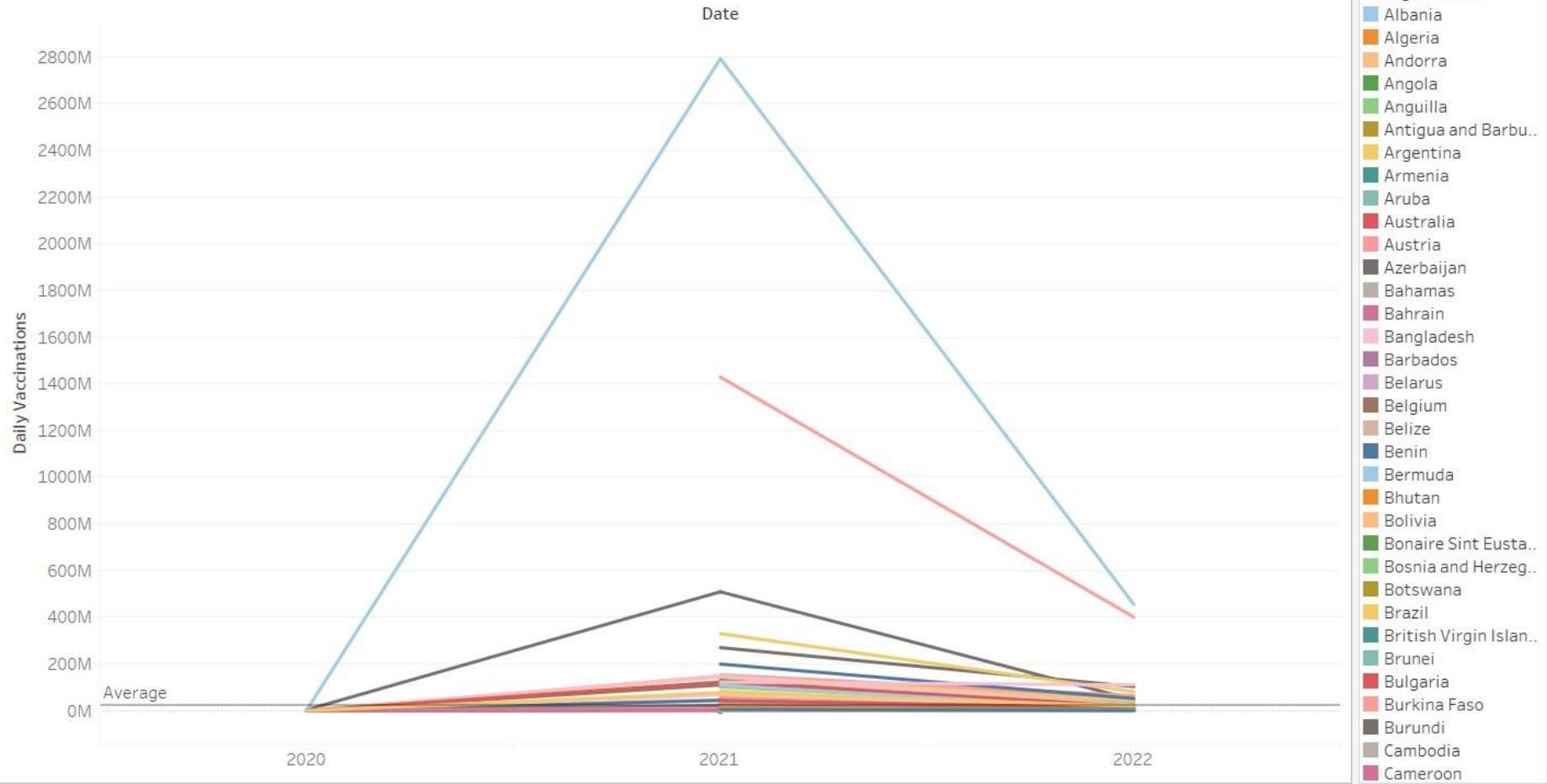
# Percentage Difference

Measure Names

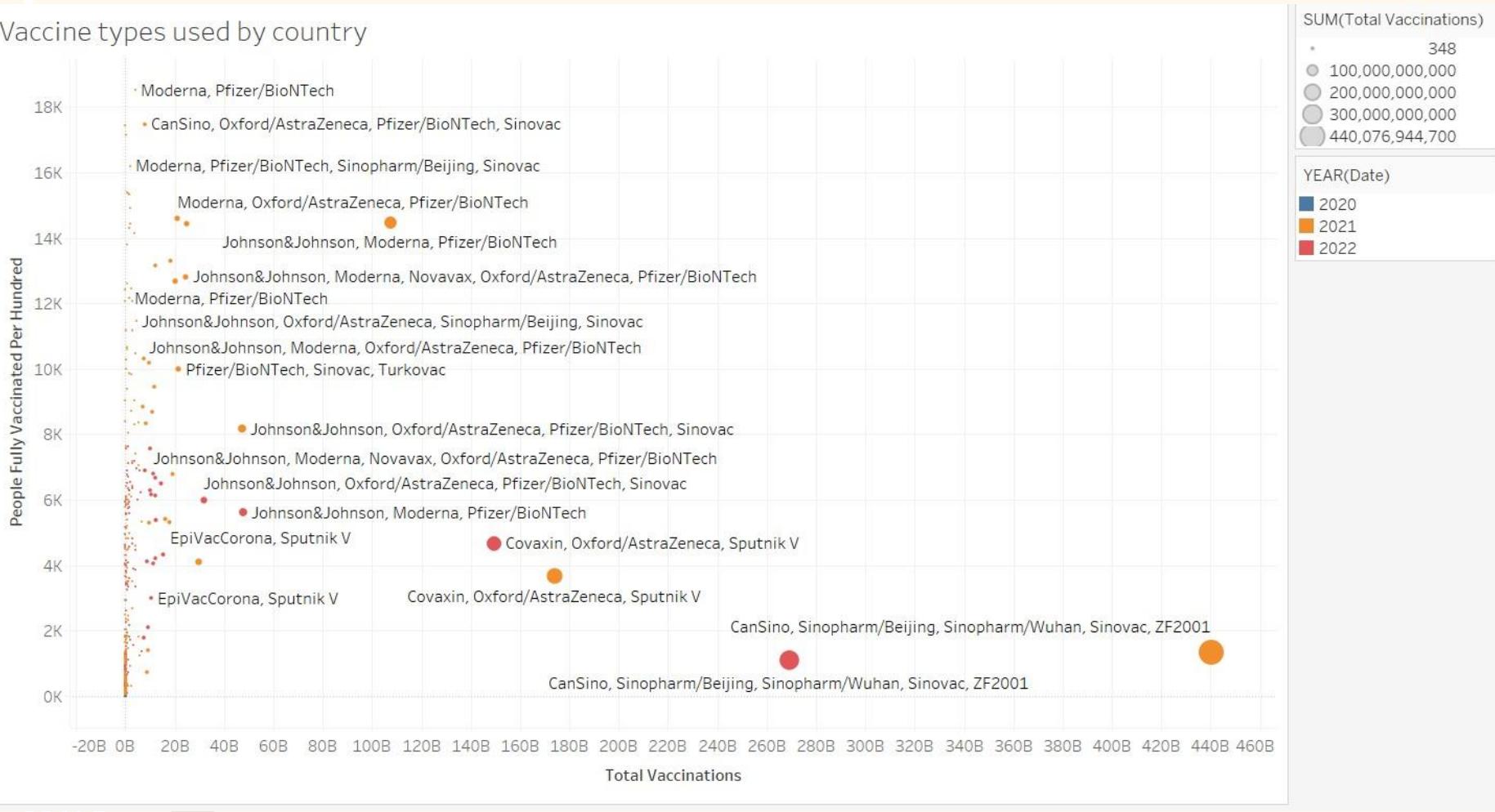
- Percentage Differenc..
- Total Vaccinations Pe..



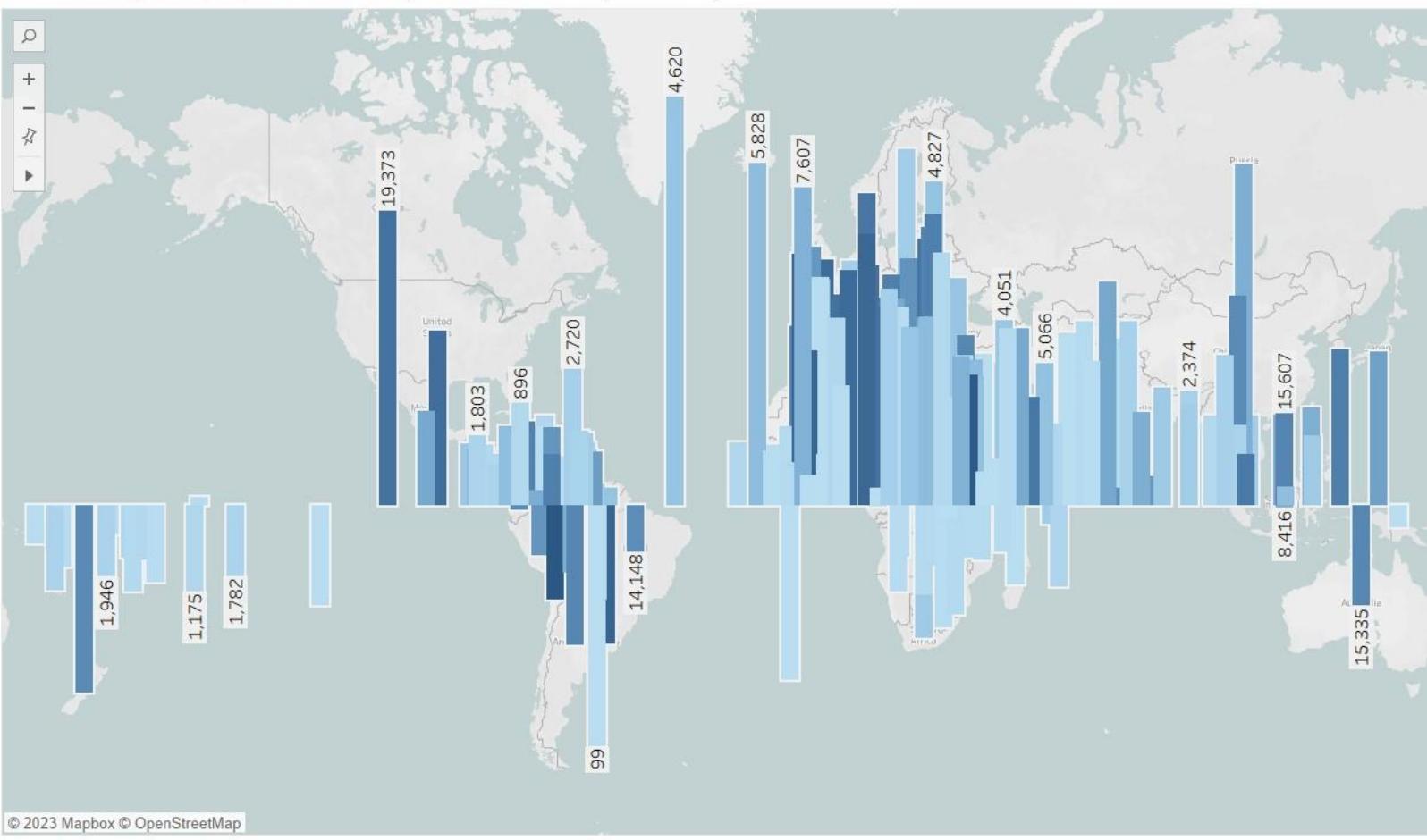
## Vaccination progress over time



## Vaccine types used by country



# Percentage of population fully vaccinated by country



SUM(People Fully Vaccinated)

1 24,71

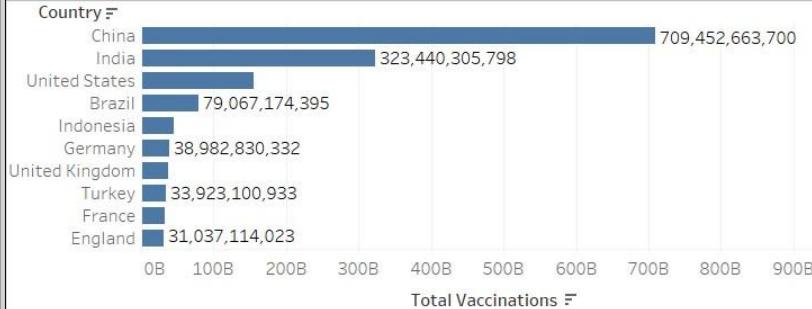
02

## Dashboards

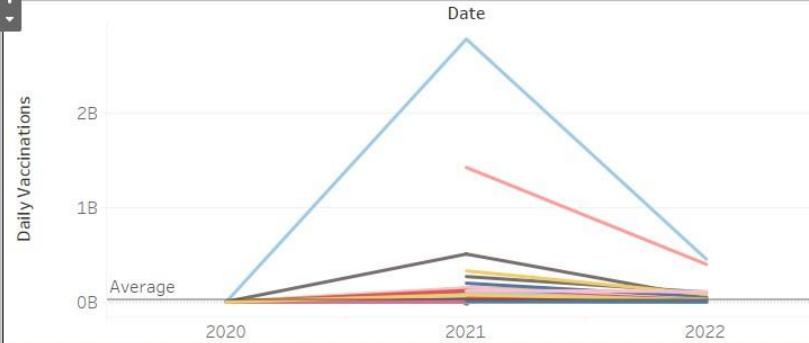


Welcome to the COVID-19 World Vaccination Progress dashboard! This interactive tool provides insights into the global vaccination efforts against COVID-19. The dashboard consists of four key visualizations that highlight various aspects of vaccination data.

## Top 10 Countries



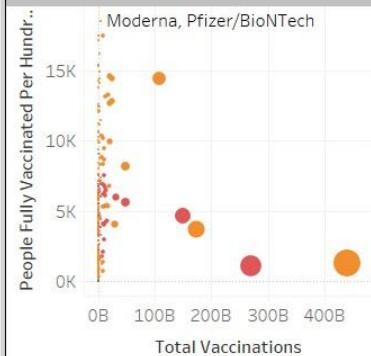
## Vaccination progress over time



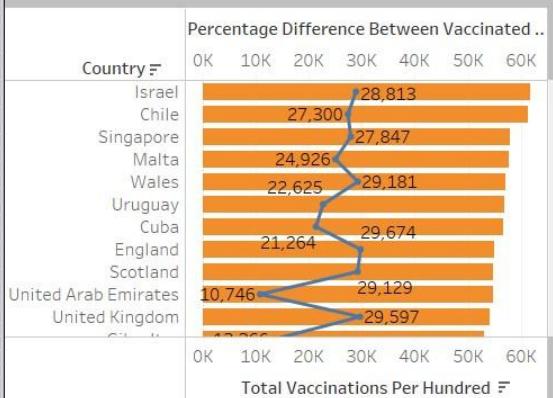
## Country

- (All)
- Afghanistan
- Albania
- Algeria
- Andorra
- Angola
- Anguilla
- Antigua and Barbuda
- Argentina
- Armenia
- Aruba
- Australia
- Austria
- Azerbaijan
- Bahamas
- Bahrain
- Bangladesh
- Barbados
- Belarus
- Belize
- Benin
- Bermuda
- Bhutan
- Limit
- Top 10 by SUM([Total Vaccinations])

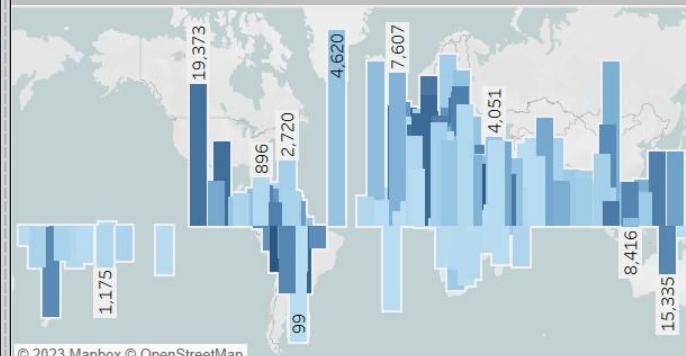
## Vaccine types used by country



## Percentage Difference



## Percentage of population fully vaccinated by country



## Measure Names

- Percentage Diff..
- Total Vaccinatio...



02

## Storyboards

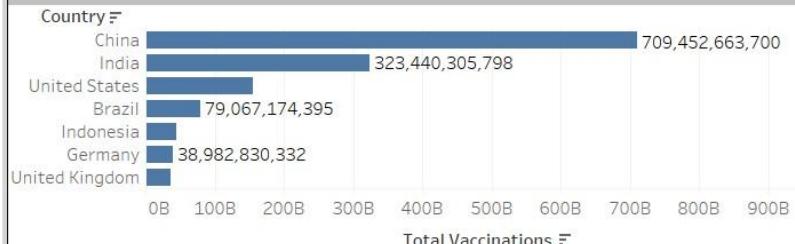
# Covid-19 World Vaccination Progress

This story point highlights the top 10 countries with the highest total vaccinations. These countries have made significant progress in their vaccination efforts, providing protection to a large portion of their population.

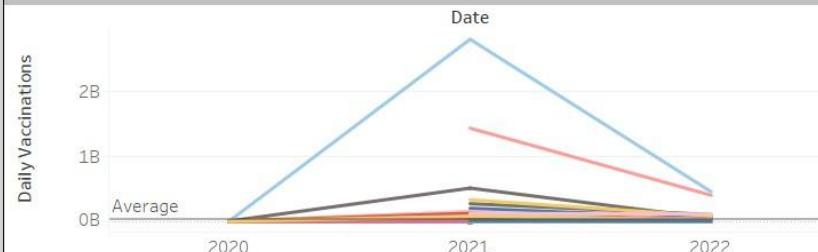
This story point focuses on the bottom 10 countries with the lowest total vaccinations. These countries face challenges in their vaccination efforts, and further support may be needed to increase vaccination rates and protect their populations.

Welcome to the COVID-19 World Vaccination Progress dashboard! This interactive tool provides insights into the global vaccination efforts against COVID-19. The dashboard consists of four key visualizations that highlight various aspects of the vaccination landscape.

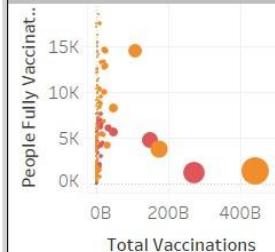
## Top 10 Countries



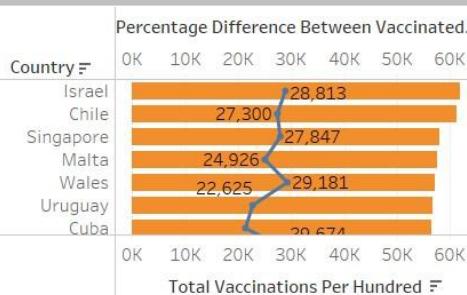
## Vaccination progress over time



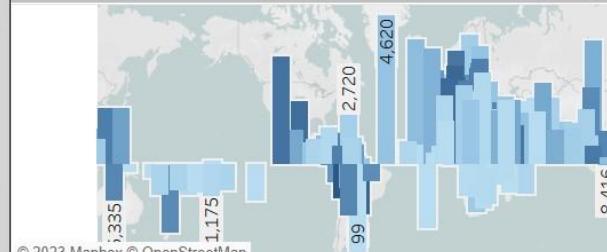
## Vaccine types used by country



## Percentage Difference



## Percentage of population fully vaccinated by country



- Country
- (All)
  - Afghanistan
  - Albania
  - Algeria
  - Andorra
  - Angola
  - Anguilla
  - Antigua and Barbuda
  - Argentina
  - Armenia
  - Aruba
  - Australia
  - Austria
  - Azerbaijan
  - Bahamas
  - Bahrain
  - Bangladesh

Limit

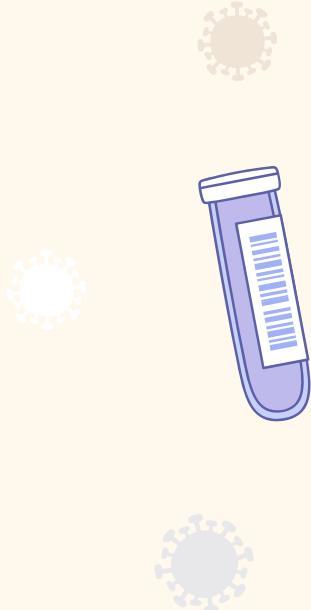
Top 10 by  
SUM([Total  
Vaccinations])

- Measure Names
- Percentage Diff..
  - Total Vaccinatio..

X

# 03

## Visualizations

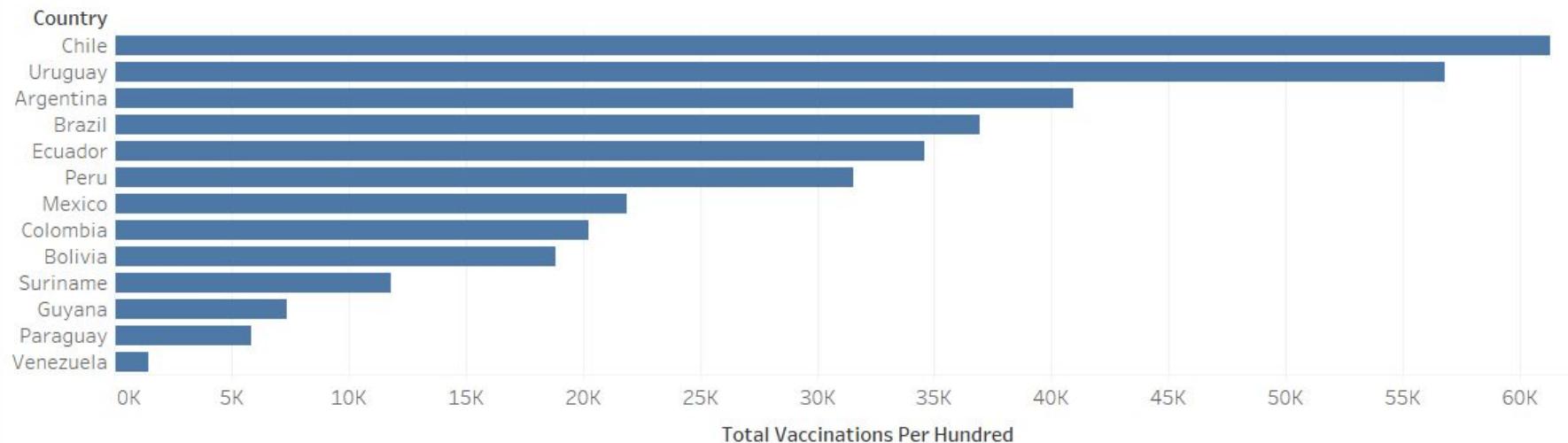


# Average Daily Vaccinations in Latin American Countries

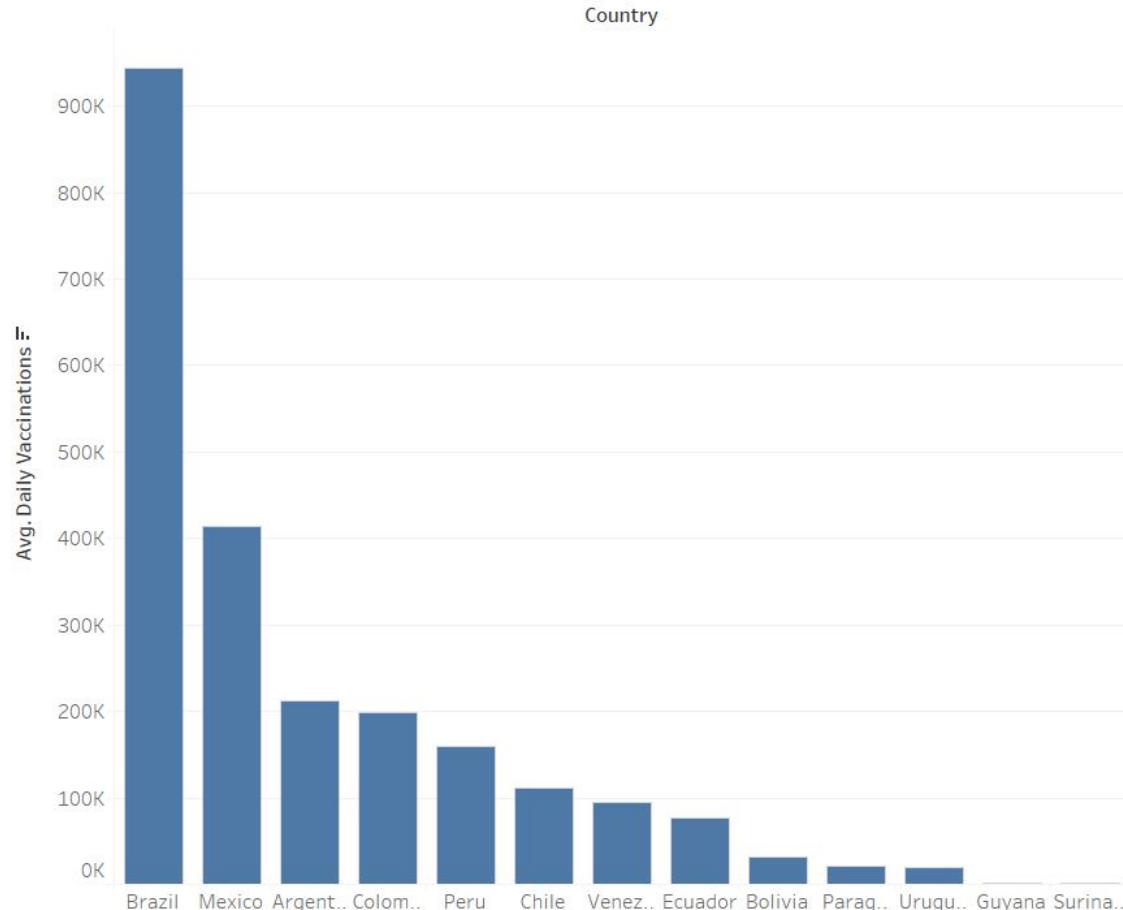




## Top 10 countries with highest vaccination rates in Latin America



## Average Daily Vaccinations by Latin American Countries

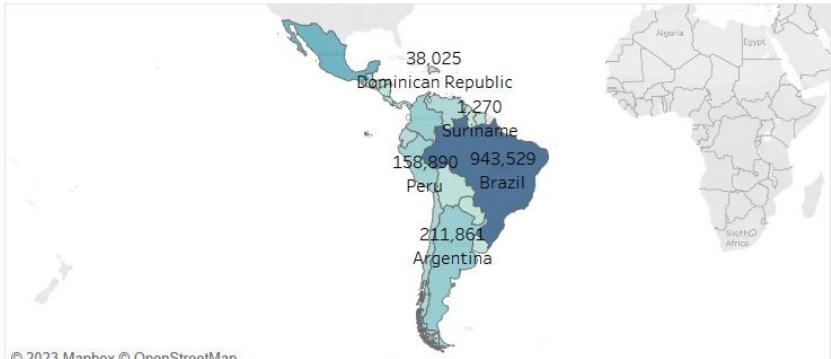


03

## Dashboards

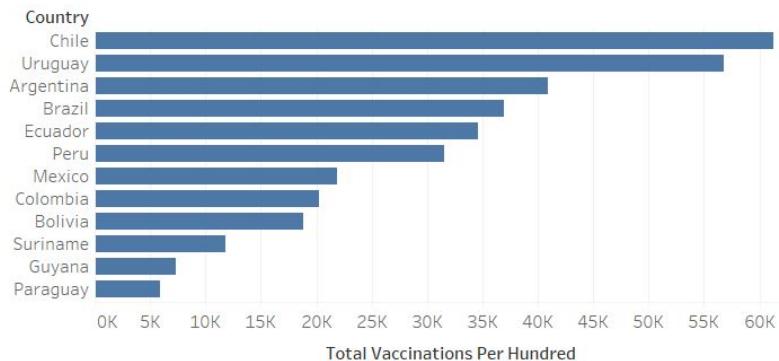


## Average Daily Vaccinations in Latin American Countries

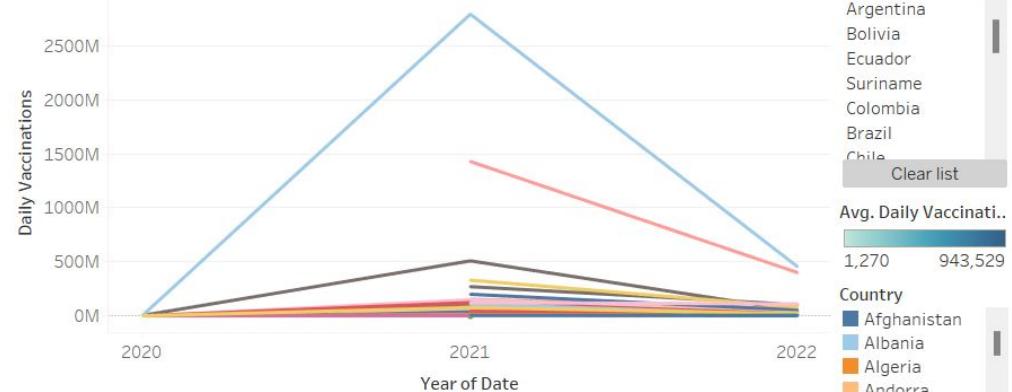


© 2023 Mapbox © OpenStreetMap

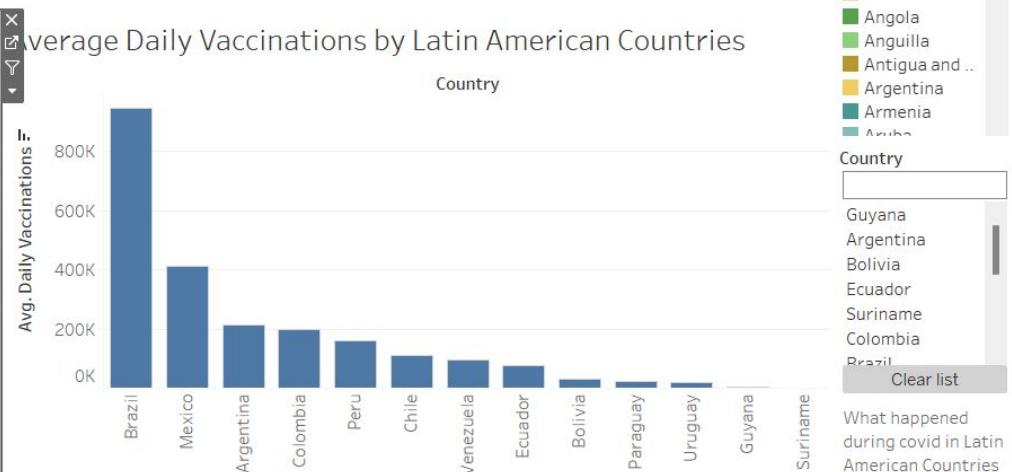
## Top 10 countries with highest vaccination rates in Latin America



## Daily Vaccinations by Country Over Time



## Average Daily Vaccinations by Latin American Countries



Country

Argentina

Bolivia

Ecuador

Suriname

Colombia

Brazil

Chile

Clear list

Avg. Daily Vaccinat..

1,270 943,529

Country

Afghanistan

Albania

Algeria

Andorra

Angola

Anguilla

Antigua and ..

Argentina

Armenia

Aruba

Country

Guyana

Argentina

Bolivia

Ecuador

Suriname

Colombia

Brazil

Clear list

What happened during covid in Latin American Countries

# Conclusion

*Which countries have the highest and lowest vaccination rates?*

- The country that has the highest full vaccination status is India. Upon research, in India there is a vaccine acceptance rate of 77% among the population.
- China has the highest vaccination rate with 709,452,663,700 and on the contrary, Pitcairn Island has the lowest rate of 348.

*How does the vaccination rate vary across different regions of the world?*

- The vaccination rate varies across different regions in Latin America. Some regions, such as Brazil and Mexico, have relatively high vaccination rates, while other regions, such as Suriname and Guyana, have lower vaccination rates.

*How has the vaccination rate changed over time for different countries?*

- The peak months for vaccinations were in June 2021 and December 2021. This correlates with the addition of boosters and it being more available worldwide.

# Conclusion Cont.



*Are there any notable differences in vaccination rates between countries using different vaccine brands?*

Countries using CanSino has the highest vaccination rate i.e: China

*What is the percentage difference between Vaccinated and fully Vaccinated?*

Argentina = 32,047 (highest)  
Tokelau = 50 (lowest)

# Thanks!

X

Do you have any questions?

Workbook



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