



# Covid-19 world vaccination Progress

W10W11\_KEVIN\_SANTOSO\_ASSIGNMENT

Data analysis

<https://public.tableau.com/app/profile/kevin.santoso/viz/assignmentadvance/Dashboard2>



# Datasets

## Country name

The name of the countries, 223 countries are included in the dataset.

## Vaccine type

Types of the vaccine, 84 different vaccine types are included in the datasets.

## Vaccine sources

The source of vaccine, 81 sources are included in the datasets.

Vaccination given and people fully vaccinated

The number of vaccination given and the people fully vaccinated.



World total population by 2021

**7,874,965,825**

Total vaccinations given by 2022

**11,320,239,871**

# 5,123,931,320

Number of vaccinated person by 2022

# 4,592,048,457

Number of Fully vaccinated person by 2022



# **65.1%**

**of the population are vaccinated**

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# **58.3%**

**of the population are fully vaccinated**

# EXPLORATORY DATA ANALYSIS



## Top 3 Sources of vaccination

1. National Health Commission
2. WHO
3. Government of India



## Top 3 Vaccinated countries by /100 ratio

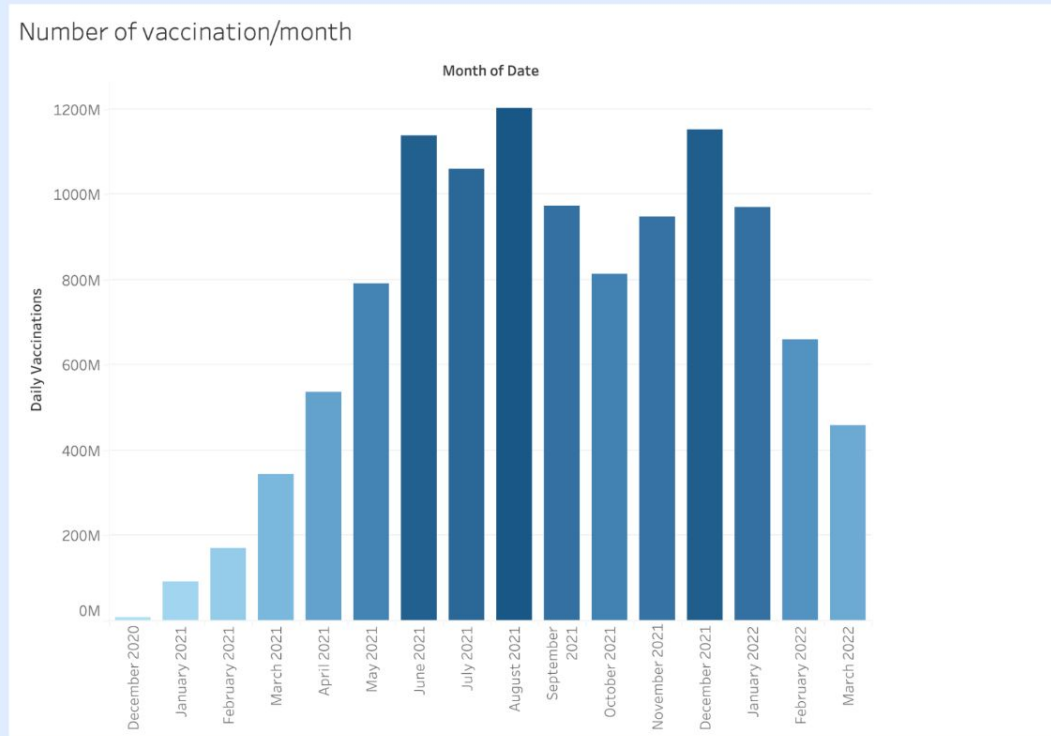
1. Gibraltar
2. Uni Arab Emirates
3. Portugal



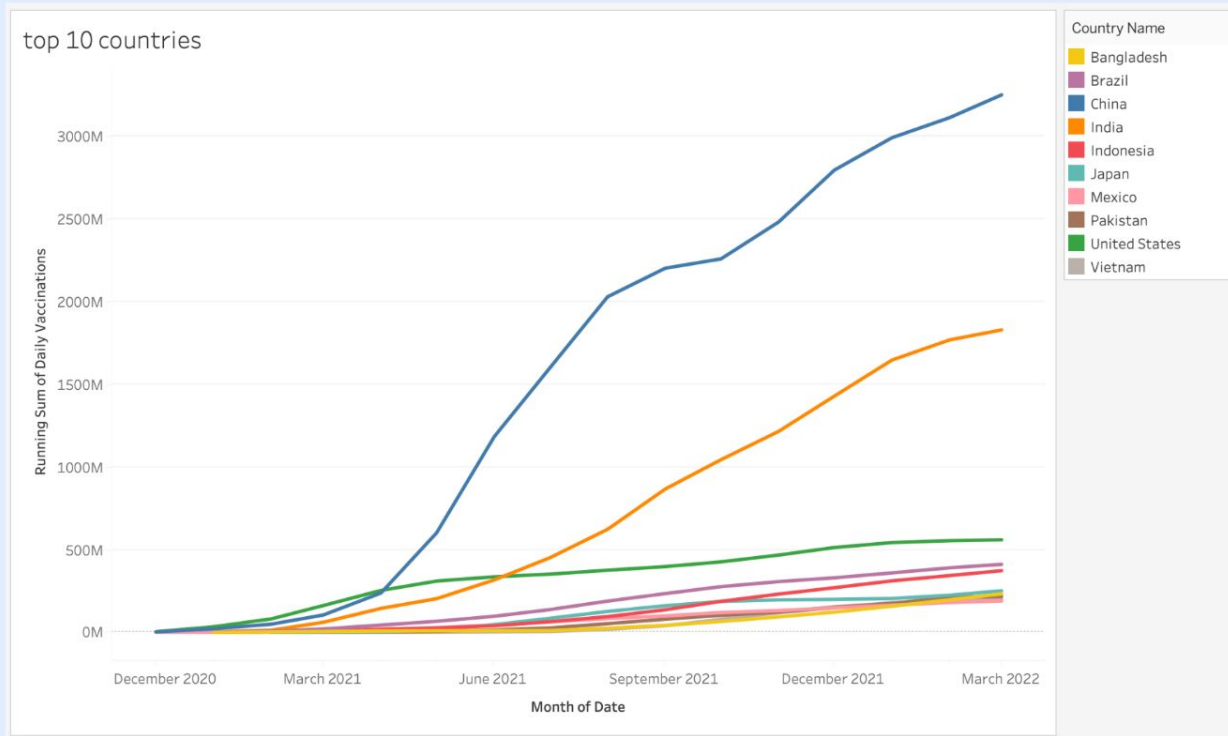
## Worst 3 Vaccinated countries by /100 ratio

1. Burundi
2. Kongo
3. Chad

# VACCINATION TREND ACROSS THE WORLD



# Top 10 countries with the most vaccination given





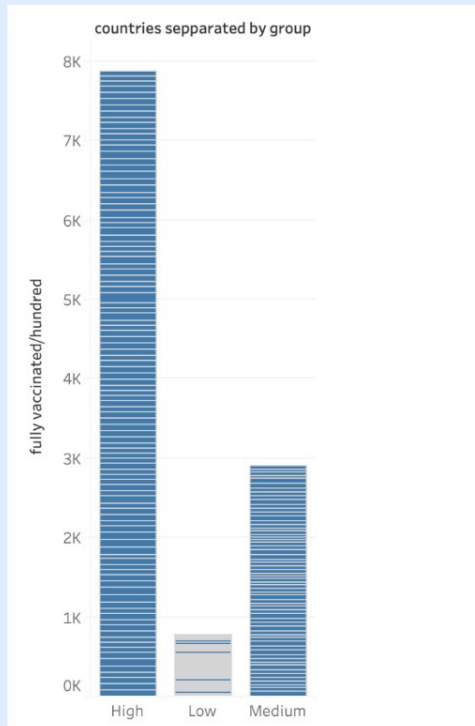
# **We tried to separate the countries into three separate categories**

High vaccination rate = Countries with  $> 60.00$  of vax/hundred

Medium vaccination rate = Countries with  $60.0 > x > 30.00$  of vax/hundred

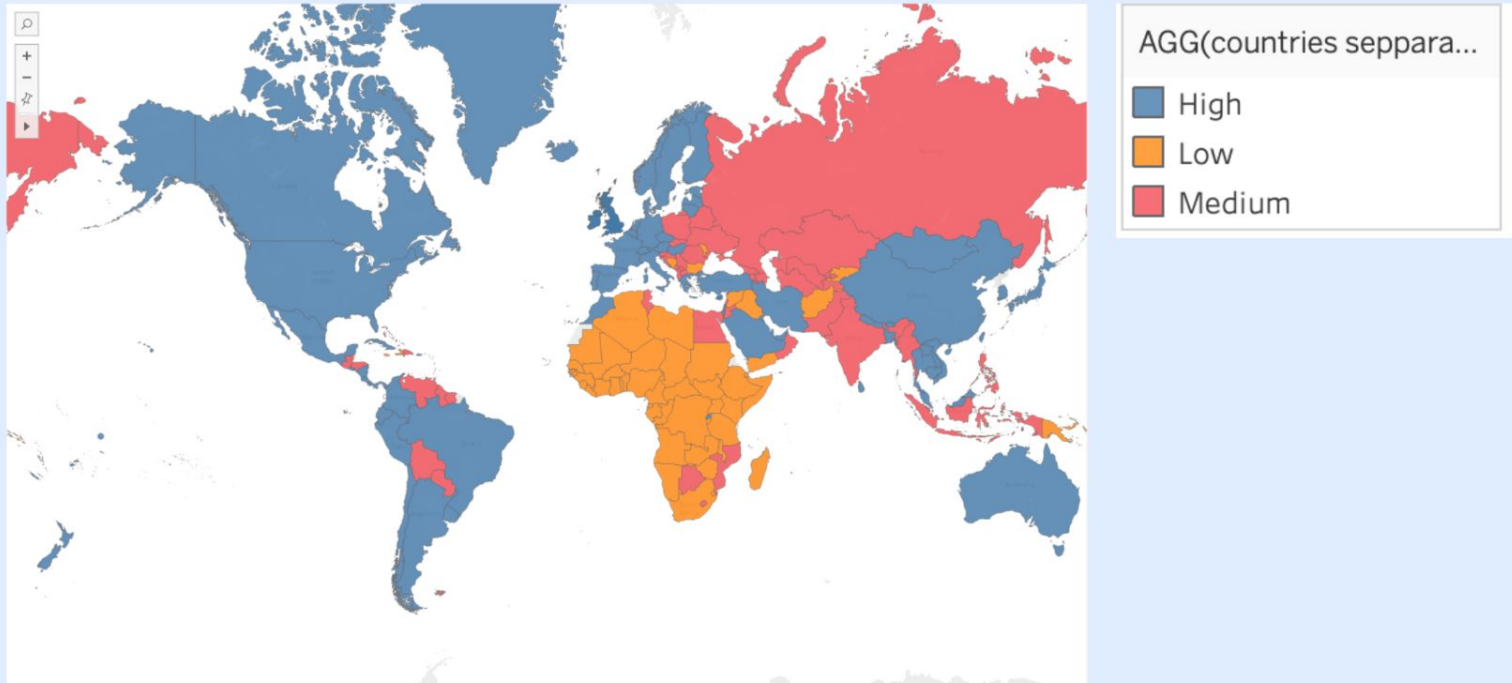
Low vaccination rate = Countries with  $< 30.00$  of vax/hundred

# Result



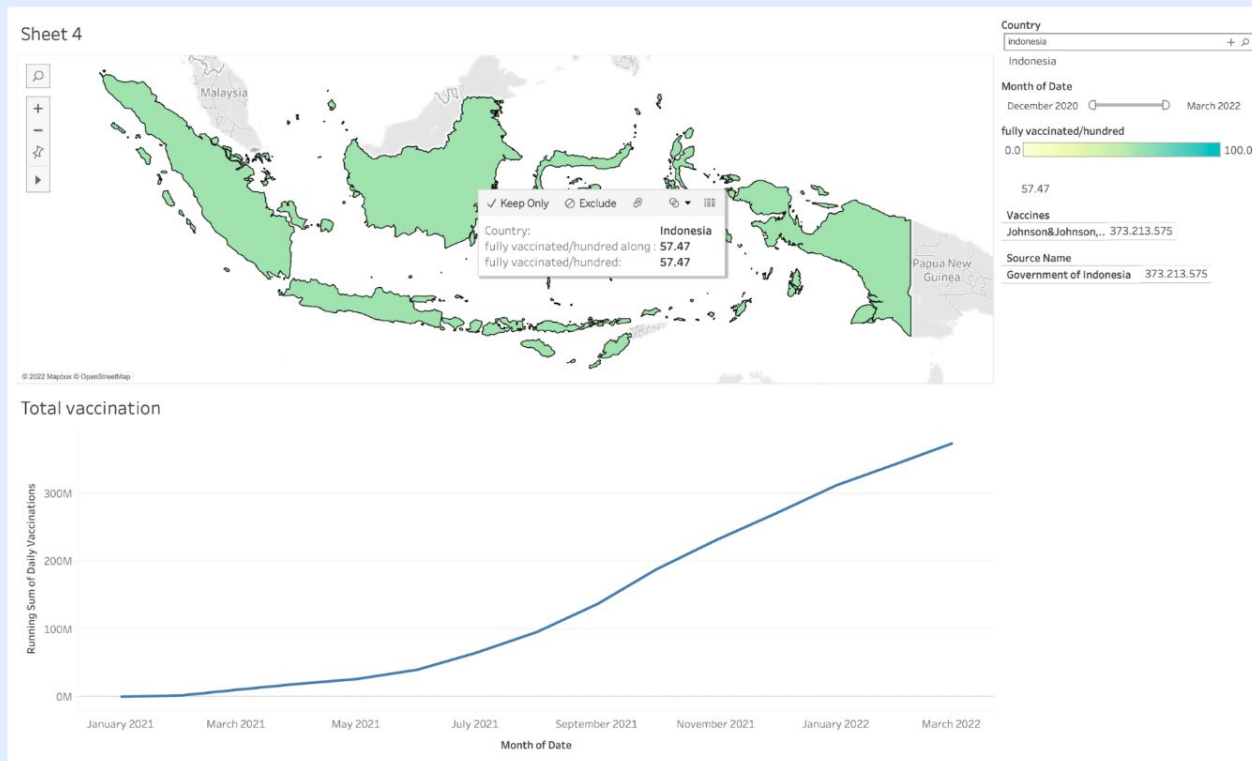
It is pretty interesting to see that by 2022, most of the countries in the world now are in the highly vaccinated category

**To make it easier to see, we are  
gonna check the world map**



Based on our world map, it could be seen that other than Africa, most of the countries from other continents at least have a medium vaccination rate, with only a few exceptions

# Tableau Interactive Dashboard



### Top 10 countries with most vaccination given

Country	🇧🇩
China	3.250.342.496
India	1.829.085.487
United States	560.111.606
Brazil	411.378.534
Indonesia	373.213.575
Japan	251.739.703
Bangladesh	232.845.439
Pakistan	217.745.032
Vietnam	201.816.053
Mexico	190.175.636

### Worst 10 vaccinated country

Country	
Burundi	0.080
Democratic Republic of Co..	0.560
Chad	0.910
Haiti	0.970
Yemen	1.330
Papua New Guinea	2.820
Madagascar	3.700
Cameroon	3.850
South Sudan	4.240
Malawi	4.390

### Top 10 vaccinated country

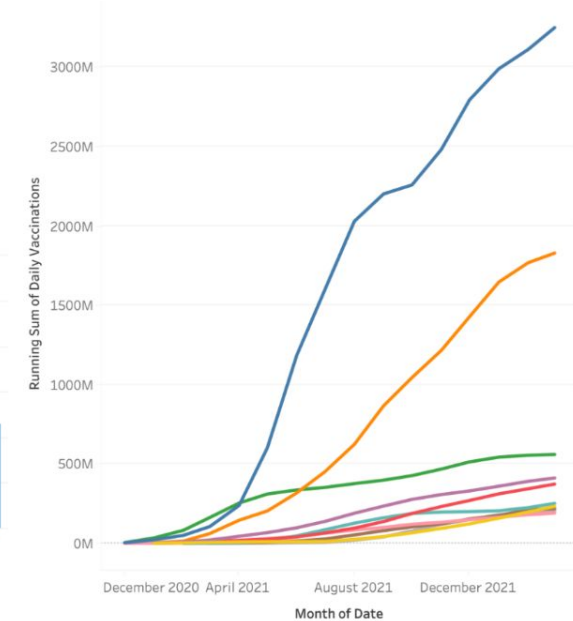
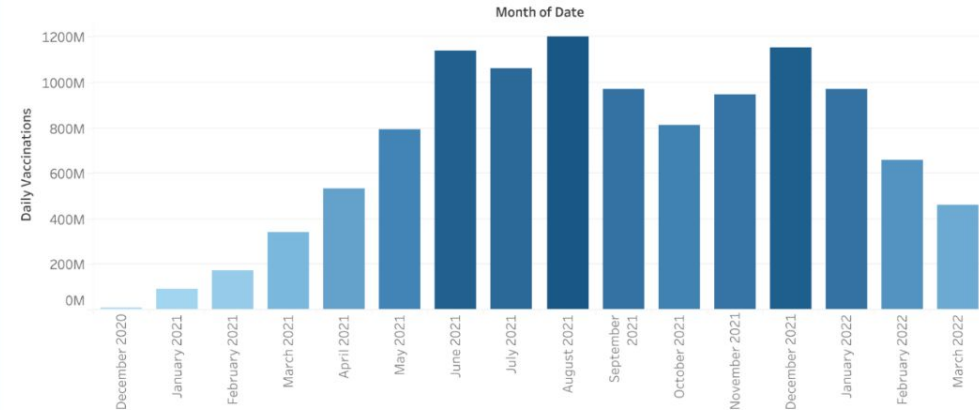
Country Name	
Gibraltar	122.37
United Arab Emirates	96.12
Portugal	92.60
Singapore	91.04
Malta	90.35
Chile	90.29
Qatar	88.50
Cayman Islands	87.80
Cuba	87.57
South Korea	86.70

#### Country Name

- 🇧🇩 Bangladesh
- 🇧🇷 Brazil
- 🇨🇳 China
- 🇮🇳 India
- 🇮🇩 Indonesia
- 🇯🇵 Japan
- 🇲🇽 Mexico
- 🇵🇰 Pakistan
- 🇺🇸 United States
- 🇻🇳 Vietnam

### top 10 countries

### Number of vaccination/month



## Top 10 Vaccine sources

Source Name	
National Health Commissi..	3.250.342.496
Government of India	1.829.085.487
World Health Organization	957.324.400
Ministry of Health	636.390.893
Centers for Disease Contr..	560.111.606
State governments via co..	411.378.534
Government of Indonesia	373.213.575
Government of the United..	277.649.017
Prime Minister's Office	251.739.703
Directorate General of He..	232.845.439

## Top 10 Vaccine type

Vaccines	
CanSino, Sinopharm/Beiji..	3.250.342.496
Covaxin, Oxford/AstraZen..	1.829.085.487
Moderna, Oxford/AstraZe..	620.164.884
Johnson&Johnson, Moder..	589.020.809
Johnson&Johnson, Moder..	505.216.912
Johnson&Johnson, Moder..	485.378.897
Johnson&Johnson, Oxford..	414.643.555
Johnson&Johnson, Moder..	373.213.575
Johnson&Johnson, Moder..	232.845.439
CanSino, Covaxin, Modern..	217.745.032



# Insight

- The number of vaccination given grew rapidly throughout 2021. reaching its peak in August 2021, and since then has almost been constant until now
- It was interesting to see that China, India, and the United States has the highest number of vaccination given, but none of them even entered the top 10 in the highest fully vax/hundred. It was pretty normal, though, considering the high population of the three countries.
- Asia, Europe, Australia, and America had done a pretty good job managing the vaccination. Africa still needed a lot of help, though.
- United states still held the Third position of the most vaccination given amidst a lot of news about antivaxxer demonstration or Covid being fake there.



*Thank  
you!*