

THE CONFIRMED, DEATH, AND RECOVERED CASE OF COVID -19

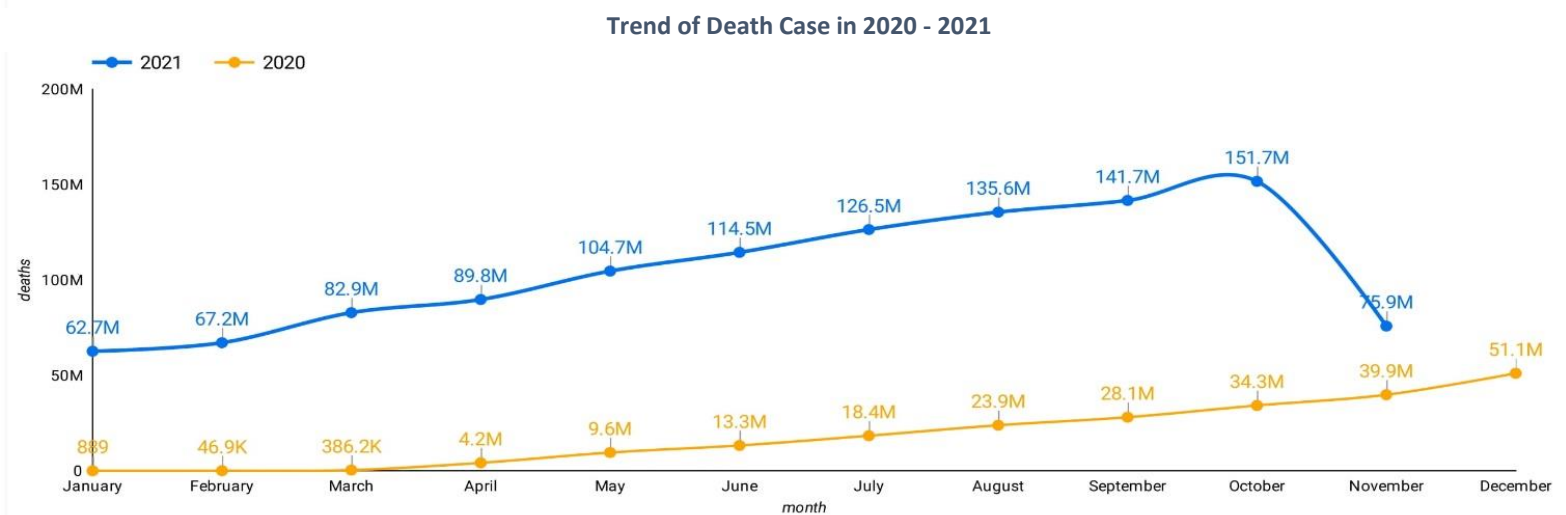
WORLDWIDE AND SOUTHEAST ASIA IN 2020 – 2021

COVID-19 became the most dangerous pandemic right now. This virus was detected in the end of 2019 named SARS-Cov-2, but it already started to infect in China on October, 2019. The spread of this virus was insane, so that the government of China took an action to blockade all access to Wuhan, The Province of Hubei as the virus spread rapidly in this area. (Source: Kompas.com).

The COVID-19 case slowly distributes globally and it still happens until now. How does this virus affect us? This virus affects different people in different ways. Most infected people will develop mild to moderate illness and recover without hospitalization.

As this pandemic keeps showing its existence, I am going to make a mini report about it. The data I used on this report is a public dataset named 'covid19 jhu csse summary', which is provided by Google Cloud Platform. Google BigQuery is used to process the data and Google Data Studio is used to visualize it. Let's jump in!

A. The trend of death case



According to the line chart above, the total death case from January 2020 – October 2021 is showing a positive trend. The highest number of death case in 2020 happens on December 2020 with total death of 51.1 million while in 2021 it reaches at 151.7 million on October 2021. The total deaths on November 2021 is 75.9 million because the dataset I used here only up to November 15, 2021. I hope the number of death on November 2021 wouldn't go higher than October 2021.

B. The Latest Information About Death, Confirmed, and Recovered Case for Each Country

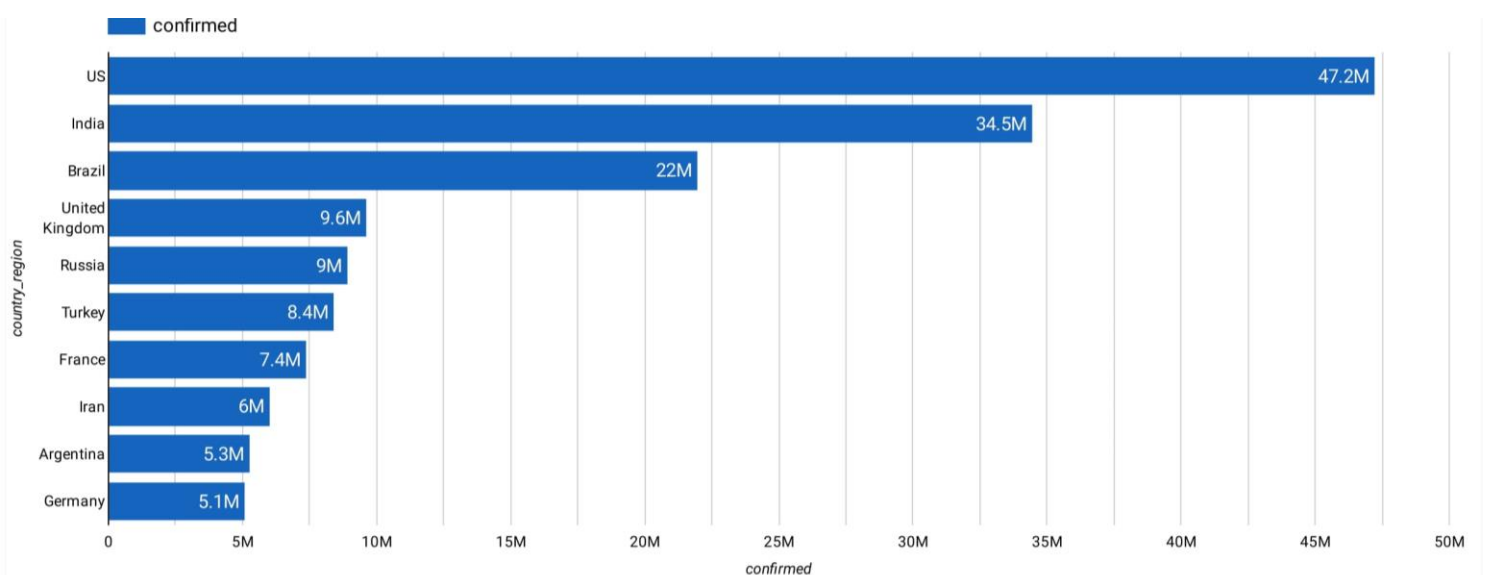
I am going to breakdown the total death, confirmed, and recovered case for each country. After processing the dataset, the latest date that shows the number of death, confirmed, and recovered for each country is different. Here the five first row and last rows of dataset repeatedly:

Row	date	country_region	recovered	deaths	confirmed
1	2020-02-28	Azerbaijan	0	0	0
2	2021-08-04	Afghanistan	82586	7294	156610
3	2021-08-04	Albania	130314	2997	193269
4	2021-08-04	Algeria	118409	5991	208104
5	2021-08-04	Andorra	14380	130	15907

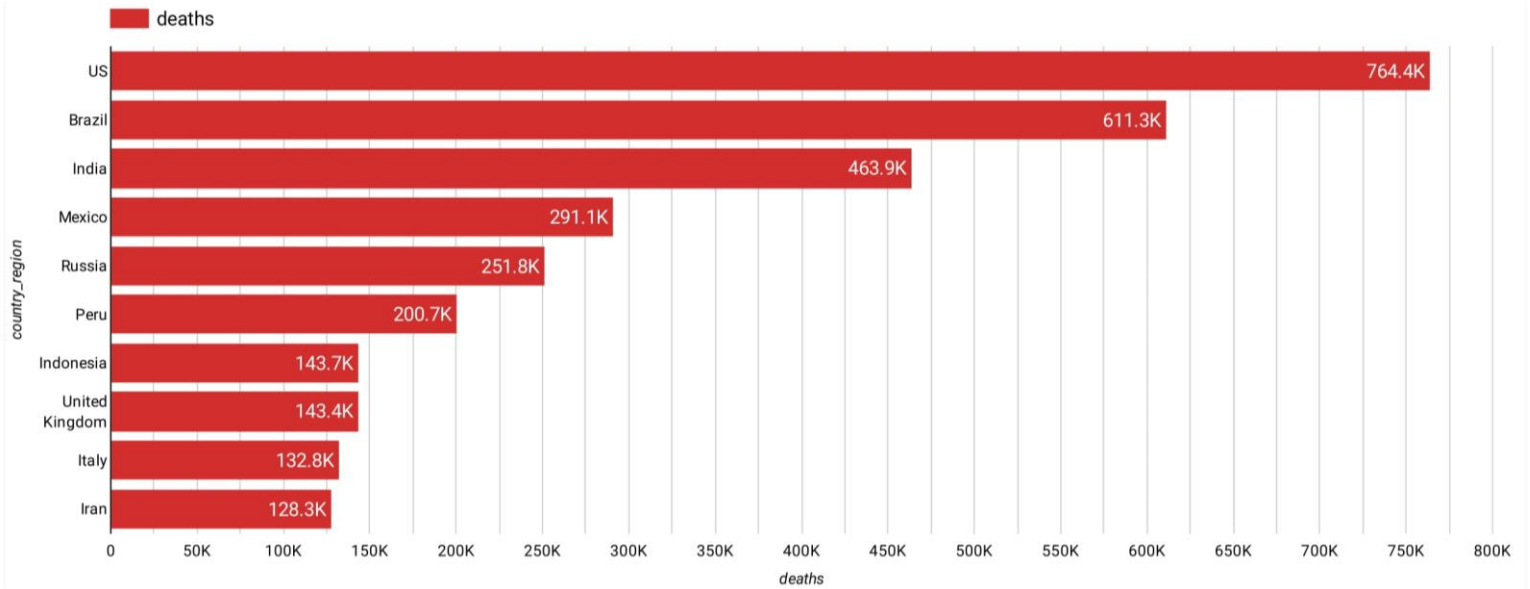
241	2021-08-04	West Bank and Gaza	312320	4754	457154
242	2020-12-06	Western Sahara	8	0	0
243	2021-08-04	Yemen	4251	1926	9936
244	2021-08-04	Zambia	189658	3666	209996
245	2021-08-04	Zimbabwe	82994	4697	133438
246	2020-03-17	occupied Palestinian territory	0	0	0

There are 246 country regions in dataset and I will not take out the country region which has 0 value for each recovered, death, and confirmed case. Here the chart I obtained for each cases:

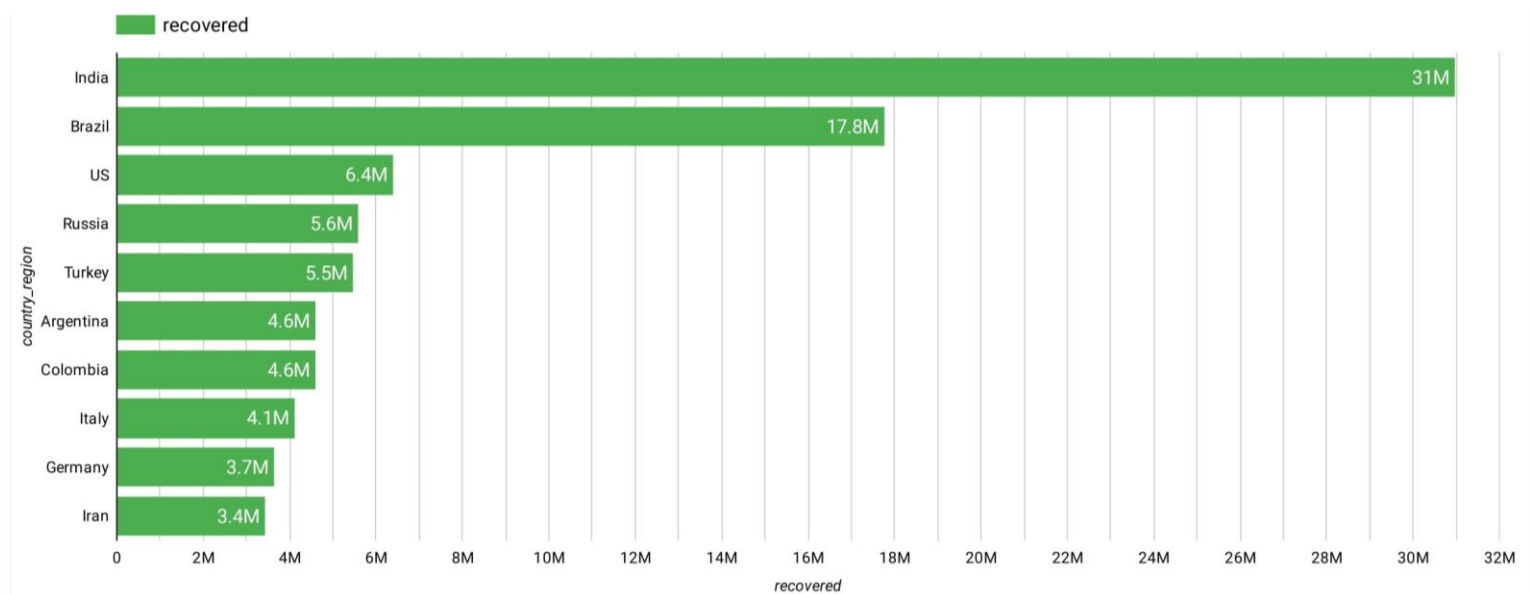
Confirmed Case of COVID-19 Worldwide in 2020 - 2021



Death Case of COVID-19 Worldwide in 2020 - 2021



Recovered Case of COVID-19 Worldwide in 2020 - 2021



Based on the three cases above, the top 3 country regions which are given the highest cases are The United State of America, Brazil, and India. The number of country regions that is displayed above only the top 10 country regions which has the most cases for each category.

For the confirmed case, The United State of America is the highest one with the total death case of 47.2 million, followed by India with the total death case of 34.5 million, and Brazil has the number of total death of 22 million.

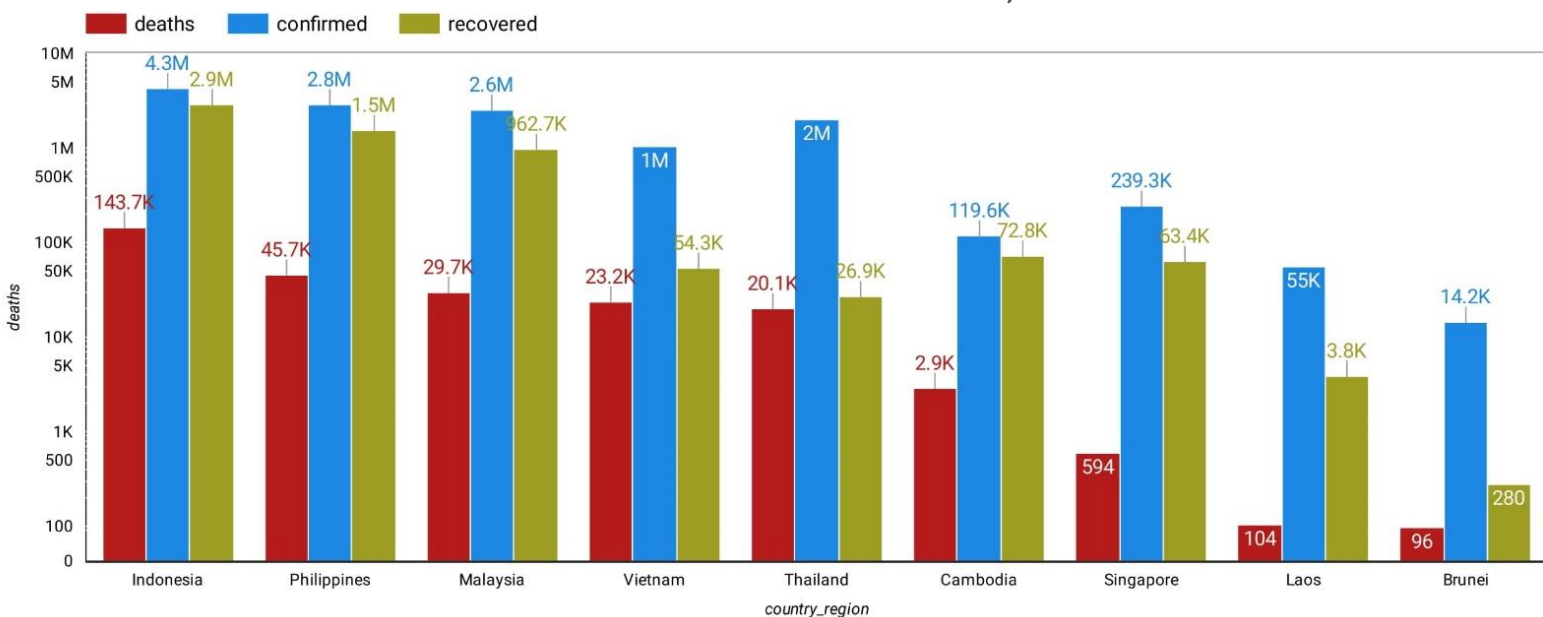
Let's move on the death case. In this case, The United State of America also take the first place with the total death of 764.4 thousand cases until November 15, 2021, followed by Brazil at 611.3 thousand cases, and India has the number of death case of 463.9 thousand cases.

In the recovered case, India is the one which reaches at 31 million of recovered case and become a country which has the highest number of recovered case in the world, Brazil is next with the total recovered case of 17.8 million case, and The United State of America has the number of total death case of 6.4 million case.

C. Covid-19 in The Southeast Asia

In this section, I want to know how Covid-19 spread in the Southeast Asia. The same is true of the previous interpretation, I make some graphs about confirmed, death, and recovered case for each country in the Southeast Asia. Unfortunately, Myanmar is not listed in the dataset of 'covid19 jhu csse summary'. So that, I can't compare it with other countries in the Southeast Asia. Here the result I got:

The Latest Information About Confirmed, Death, and Recovered Case of COVID-19 in The Southeast Asia until November 15, 2021



On the cart above, Indonesia has the highest number of death case of 143.7 thousand cases, followed next by Philippines at 45.7 thousand cases. Also, the highest number of confirmed and recovered case is placed by Indonesia with the total confirmed and recovered simultaneously of 4.3 million and 2.9 million cases. In The Southeast Asia, Brunei has the lowest cases among all categories. Not only a group bar chart that I make, but also a GEO Map based on death case in The Southeast Asia. Here what I got:

Total Death Case of Covid-19 in the Southeast Asia

