

Covid-19 DAX Functions

Active Cases DAX Function Check

Sum of Active

Total Active Cases

396714701

396714701

Total Confirmed Cases

829M

Total Deaths

43M

Total Recovered Cases

388M

Total Active Cases

397M

Recovery Rate

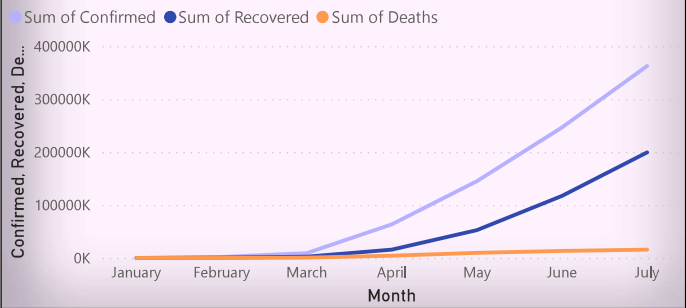
46.88%

Mortality Rate

5.24%

Covid-19 Analysis

Total Confirmed Cases, Total Recovered Cases and Total Deaths by Month

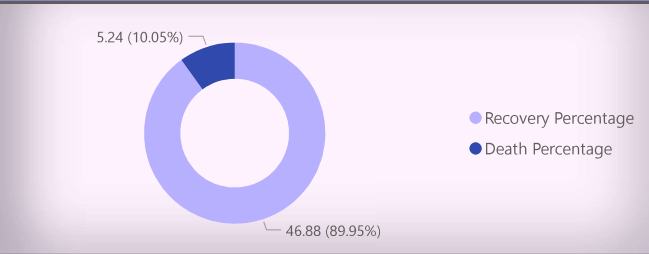


WHO Region	Total Confirmed Cases	Total Deaths	Total Recovered Cases
Americas	402261052	19359292	157069444
Europe	248879639	19271040	123202071
Eastern Mediterranean	74082892	1924029	48050703
South-East Asia	55118365	1458134	30030327
Western Pacific	26373988	932429	18861885
Africa	21791827	439978	11193730
Total	828507763	43384902	388408160

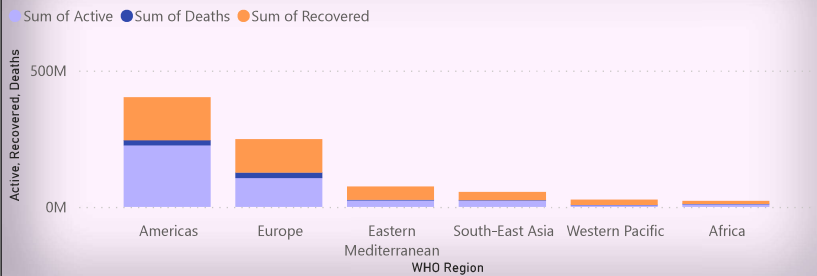
WHO Regions



Recovery Percentage and Death Percentage



Active Cases, Total Deaths and Recovered Cases by WHO Region



Confirmed Cases by WHO Region



Covid-19 Visualization Summary

Total Confirmed Cases, Total Recovered Cases, and Total Deaths by Months using Line Chart - This chart gives the trends of Covid-19 Confirmed Cases, Recovered Cases and Deaths over the months. This Chart suggests that there was a sudden spike in Confirmed cases in March, after which it grew exponentially. This chart further suggests that there is a spike in recovery as well after March. Further, there is a little spike in the death rate.

Active Cases, Total Deaths and Recovered Cases By WHO Region and Countries using Stacked Column Chart - This chart suggests that the highest number of covid cases are in America, i.e., 402261052 out of which total recoveries are 157069444, with total deaths are 19359292 and total active cases are 225832316. Further, the least number of cases are in Africa, i.e., 21791827 out of which total recoveries are 11193730, total deaths are 439978 and total active cases are 10158119. Additionally, the drill-through feature is activated for this chart, which enables us to analyze the country-wise trend for each region.

Table Visualization - This table contains fields like WHO Region, Total Confirmed Cases, Total Deaths, and Total Recovered Cases. The numbers suggest that America has the highest number of cases, i.e., 402261052 out of which total recoveries are 157069444, total deaths are 19359292 and total active cases are 225832316. Further, Africa has the least number of active cases, i.e., 21791827 out of which total recoveries are 11193730, total deaths are 439978 and total active cases are 10158119.

Recovery Percentage and Death Percentage using Donut Chart - This chart is plotted between the Recovery Percentage and Death Percentage. This chart suggests that the recovery percentage is 44.88% and the death percentage is 5.24%. Overall the recovery percentage and death percentage in comparison to each other is 89.95% and 10.05% respectively.

Confirmed Cases By WHO region using Map Visual - This chart suggests that America has the highest number of confirmed cases, i.e., 402261052 and Africa has the lowest number of cases, i.e., 21791827.

Covid-19 Insights

America has the highest number of Covid-19 cases, i.e., 402261052 and Africa has the least number of Covid cases, i.e., 21791827

Europe has the highest Mortality Rate, i.e., 7.74% followed by America where the Mortality Rate is 4.81%

Africa has the lowest Mortality Rate, i.e., 2.02% followed by Eastern Mediterranean and South-East Asia where the Mortality rates are 2.6% and 2.65% respectively.

Western Pacific has the highest Recovery Rate, i.e., 71.52%, and America has the lowest Recovery Rate, i.e., 39.05%

Africa reported its first Covid case in February 2020 and its first death in March 2020. In March, there was a gradual rise in the confirmed cases. In April, the cases rose at a rate of 1296.55%. In May, the cases rose at a rate of 375.23%. In June, the cases rose at a rate of 211.22% and in July, the cases rose at a rate of 141.53%

America reported its first Covid case in January 2020 and the first death in February 2020. In March, there was a steep increase in the cases. In April, the cases rose at a rate of 1735.57%. In May, the cases rose at a rate of 178.4%. In June, the cases rose at a rate of 87.33% and in July, the cases rose at a rate of 57.22%

Eastern Mediterranean Region reported its first Covid case in January 2020 and the first death in February 2020. In March, there was a steep increase in the cases. In April, the cases rose at a rate of 475.69%. In May, the cases rose at a rate of 195.47%. In June, the cases rose at a rate of 130.68% and in July, the cases rose at a rate of 46.16%

Europe reported its first Covid case in January 2020 and the first death in February 2020. In March, there was a steep increase in the cases. In April, the cases rose at a rate of 657.67%. In May, the cases rose at a rate of 84.09%. In June, the cases rose at a rate of 26.8% and in July, the cases rose at a rate of 10.71%

South-East Asia region reported its first Covid case in January 2020 and the first death in March 2020. In March, there was a steep increase in the cases. In April, the cases rose at a rate of 1930.93%. In May, the cases rose at a rate of 486.19%. In June, the cases rose at a rate of 239.6% and in July, the cases rose at a rate of 122.38%

The western Pacific region reported 37991 confirmed cases and 888 deaths in January 2020. In February, the cases rose at a rate of 4251.54%. In March, the cases rose at a rate of 74.73%. In April, the cases rose at a rate of 1930.93%. In May, the cases rose at a rate of 486.19%. In June, the cases rose at a rate of 239.6% and in July, the cases rose at a rate of 122.38%

The US, Brazil, Russia, India, Spain, the UK, Italy, France, Germany, and Iran are the top 10 countries with most number of cases.