

# Monaco

highest expenditure country

| Country_Name                     | total expenditure | total gdp | gdp_share |
|----------------------------------|-------------------|-----------|-----------|
| Afghanistan                      | 429               | 1520      | 28.22     |
| Albania                          | 4801              | 15905     | 30.19     |
| Algeria                          | 4354              | 11591     | 37.56     |
| Andorra                          | 46198             | 121099    | 38.15     |
| Angola                           | 1598              | 7596      | 21.04     |
| Antigua and Barbuda              | 12007             | 50634     | 23.71     |
| Argentina                        | 12058             | 30588     | 39.42     |
| Armenia                          | 3639              | 13727     | 26.51     |
| Australia                        | 72098             | 167934    | 42.93     |
| Austria                          | 77296             | 150502    | 51.36     |
| Azerbaijan                       | 4729              | 13499     | 35.03     |
| Bahamas                          | 19792             | 88858     | 22.27     |
| Bahrain                          | 25376             | 74789     | 33.93     |
| Bangladesh                       | 833               | 5394      | 15.44     |
| Barbados                         | 15932             | 53757     | 29.64     |
| Belarus                          | 7254              | 19220     | 37.74     |
| Belgium                          | 75972             | 139678    | 54.39     |
| Belize                           | 4881              | 13955     | 34.98     |
| Benin                            | 606               | 3605      | 16.81     |
| Bhutan                           | 2892              | 9394      | 30.79     |
| Bolivia (Plurinational State of) | 3705              | 10012     | 37.01     |
| Bosnia and Herzegovina           | 7631              | 17957     | 42.50     |
| Botswana                         | 7184              | 19490     | 36.86     |
| Brazil                           | 9657              | 24761     | 39.00     |
| Brunei Darussalam                | 29040             | 89163     | 32.57     |

# Democratic Republic of the Congo

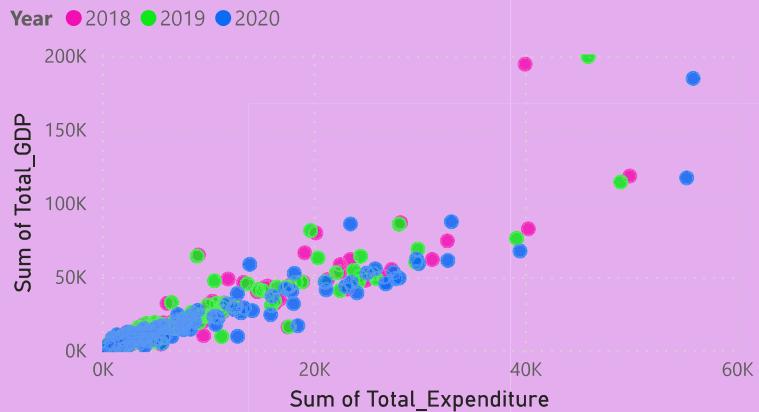
lowest expenditure country

| Country_Name                     | Average of expenditure per capita |
|----------------------------------|-----------------------------------|
| Afghanistan                      | 0.00                              |
| Albania                          | 0.56                              |
| Algeria                          | 0.03                              |
| Andorra                          | 201.71                            |
| Angola                           | 0.02                              |
| Antigua and Barbuda              | 43.35                             |
| Argentina                        | 0.09                              |
| Armenia                          | 0.43                              |
| Australia                        | 0.95                              |
| Austria                          | 2.91                              |
| Azerbaijan                       | 0.15                              |
| Bahamas                          | 16.31                             |
| Bahrain                          | 5.69                              |
| Bangladesh                       | 0.00                              |
| Barbados                         | 18.94                             |
| Belarus                          | 0.25                              |
| Belgium                          | 2.21                              |
| Belize                           | 4.19                              |
| Benin                            | 0.02                              |
| Bhutan                           | 1.26                              |
| Bolivia (Plurinational State of) | 0.10                              |
| Bosnia and Herzegovina           | 0.76                              |
| Botswana                         | 0.96                              |
| Brazil                           | 0.02                              |
| Brunei Darussalam                | 22.11                             |

## Global Health Expenditure Analysis

2018 2019 2020

### Total Expenditure and Total GDP by Country Name and Year



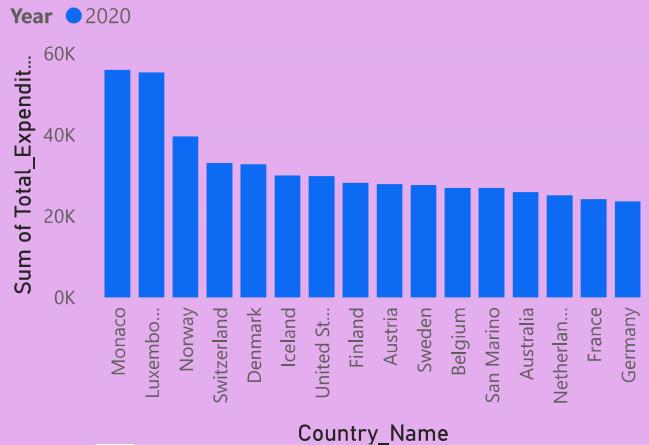
**5.09**  
Average Annual growth

### Total Expenditure by Country Name and Year

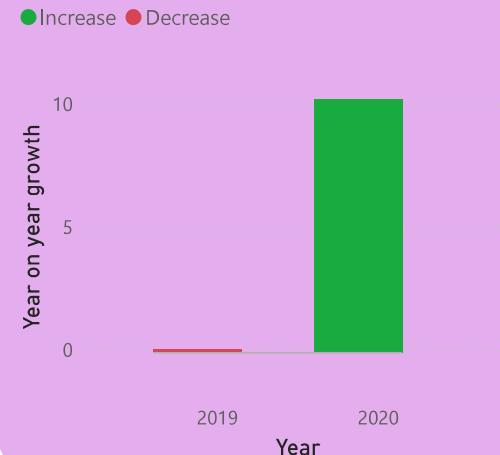
Year 2018 2019 2020



### Total Expenditure by Country Name and Year

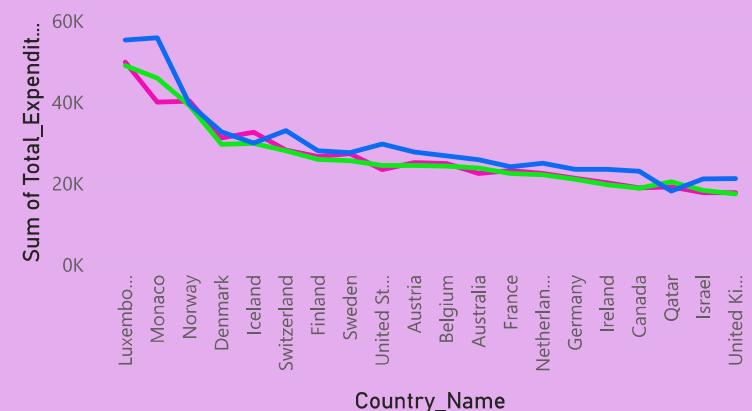


### Year on year growth by Year



### Total Expenditure by Country Name and Year

Year 2018 2019 2020



## Visualization Summary

The summary of all the visuals are:

**Scatter Plot between total expenditure and total GDP by year:** This Graph gives the insights that total expenditure for the majority of the countries is below 5855 and the total GDP for the majority of the countries lies 15040. Further, Monaco is the country with highest expenditure and GDP

**Card showing Average Annual growth rate:** It Shows that the overall average annual rate is 5.09%  
The country with highest GDP share is Kiribati and the country with lowest GDP share is Haiti.

**Map Visual:** this graph shows the total expenditure for different countries.

**Bar Graph for total Expenditure for the year 2020:** This graph also gives total expenditure for the year 2020. From this graph, it is visible that Monaco has the highest expenditure followed by Luxembourg and Norway. Also, Democratic Republic of Congo, Yemen, Netherlands are the countries with least expenditure.

**Waterfall Graph for year on Year Growth:** This graphs shows the year on year growth, it displays that in 2019, the expenditure decreases at a rate of 0.12% and it increases at a rate of 10.3% in 2020.

**Line Chart showing the trend of total Expenditure for each year:** This chart displays that in 2018 and 2019, Luxembourg has the highest expenditure and in 2020, Monaco takes over it to be the country with highest expenditure.

## **Insights and Conclusions**

During the analysis i have obtained the following insights:

- .The country with highest health expenditure is Monaco and the country with lowest health expenditure is Democratic Republic of Congo.
- .The country with highest GDP share is Kiribati and the country with lowest GDP share is Haiti.
- .The GDP share is highest in 2020 and lowest in 2018. Therefore the average increase in GDP share is 9.06%.
- .The health Expenditure decreases in 2019 with a rate of 0.12% and further increases in 2020 with a rate of 10.3%. This results in an average growth rate of 5.09%.
- .The population increases at an average rate of 1.01% and GDP decreases at an average rate of -3.4%
- .I can also see that the most countries were below 5000 in Health Expenditure.

Lastly , the average ratio of total health expenditure and population is 0.15, which is very less considering the total population. Therefore, each country should increase their health expenditure to meet up with the growing population.