

COVID-19

An analysis of a human tragedy

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The Story



- Today we face a great challenge in our lives the likes of which we've never seen.
- A pandemic has hit the entire world.
- In order to better understand how different areas are affected, we display data for different countries of the world.
- To keep it relative in each country, the counts are listed as occurrences per million.
- We also wanted to see the relationship between GDP per capita (spending power) and hospital beds (access to healthcare).

The TechStack

- Data Source
 - Our World in Data -
<https://ourworldindata.org/>
- MongoDB
- Python/PyMongo/Flask
- Bootstrap
- jQuery
- Plotly
- Single/multiple, dynamic traces

Deaths Per Million

Selected Location(s): Cuba, Cyprus, Dominica, Germany, Greece, Guinea, Kuwait, Latvia, Lithuania, Serbia, Switzerland, United States

SELECT LOCATION(S):

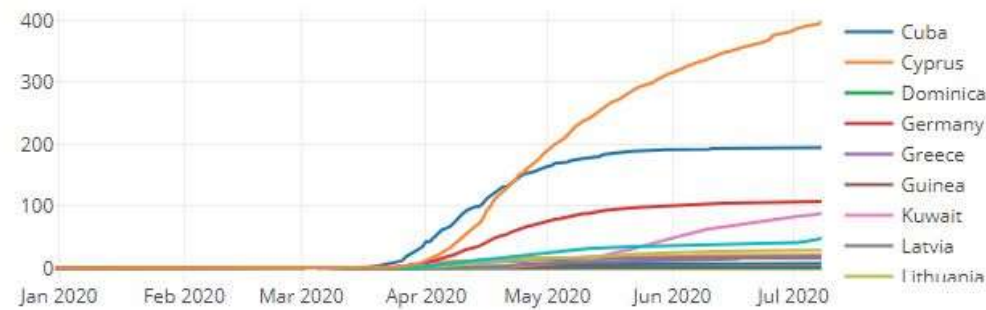
- Cote d'Ivoire
- Croatia
- Cuba
- Curacao
- Cyprus
- Czech Republic
- Democratic Republic of Congo
- Denmark
- Djibouti
- Dominica
- Dominican Republic
- Ecuador
- Egypt
- El Salvador

Ctrl + click to select multiple

Deaths Per Million

Cases Per Million

GDP vs. Hospital Beds



Cases Per Million

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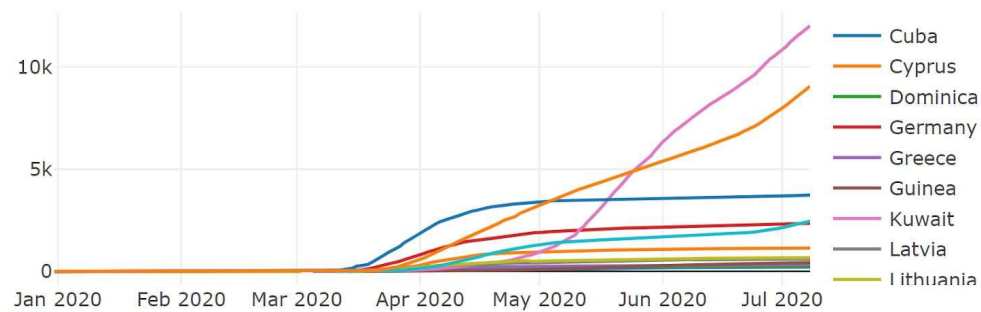
- Curacao
- Cyprus
- Czech Republic
- Democratic Republic of Congo
- Denmark
- Djibouti
- Dominica
- Dominican Republic
- Ecuador
- Egypt
- El Salvador
- Equatorial Guinea
- Eritrea

Ctrl + click to select multiple

Deaths Per Million

Cases Per Million

GDP vs. Hospital Beds



GDP vs. Hospital Beds

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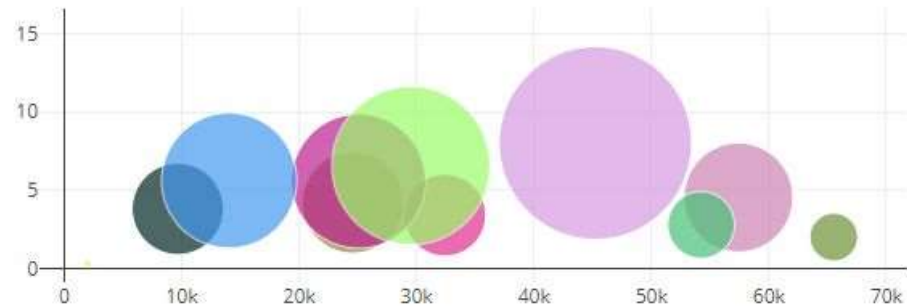
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Live Demo



Conclusion

- Prosperous countries seem to be affected more than others.
- Higher spending power (GDP per capita) is not an indicator of better access to healthcare.
- More hospital beds does not guarantee lower death rate.

Questions?