



Health Futures
Intelligent Healthcare Solutions

Environmental Scan

A survey of Worldwide Mortality to identify opportunities for health improvement

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Project Purpose



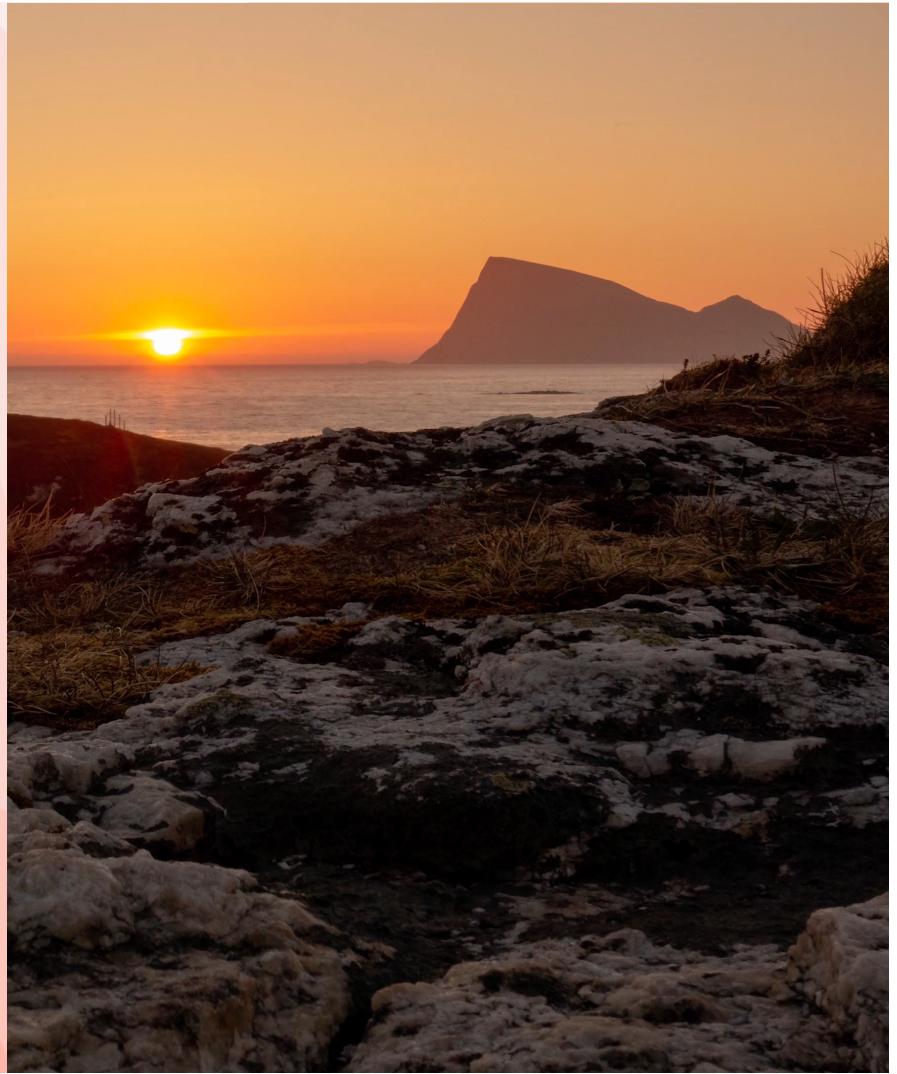
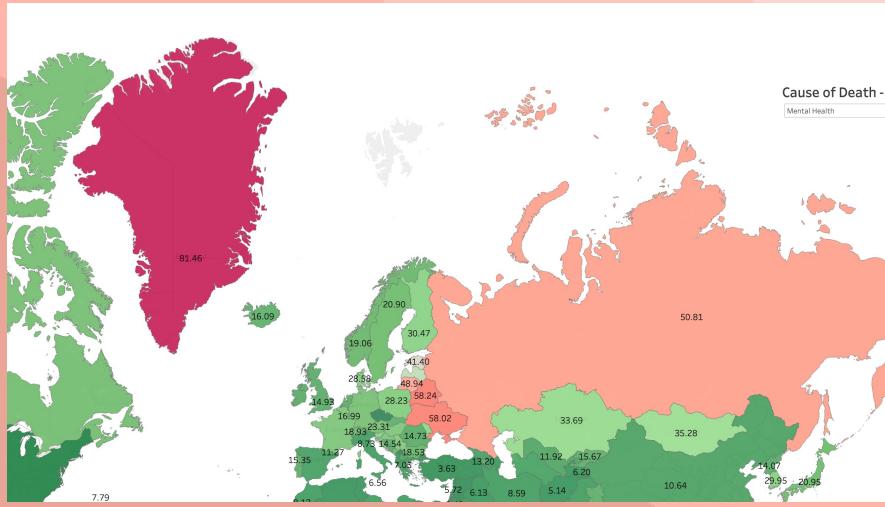
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Identify themes in mortality (cause and scale) across geographic regions using mortality data.

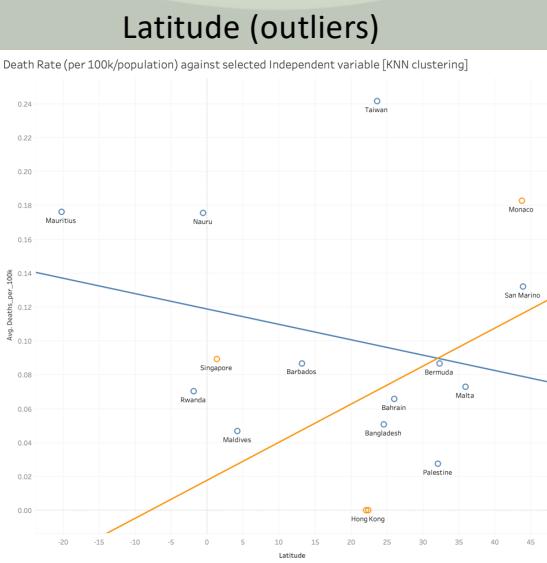
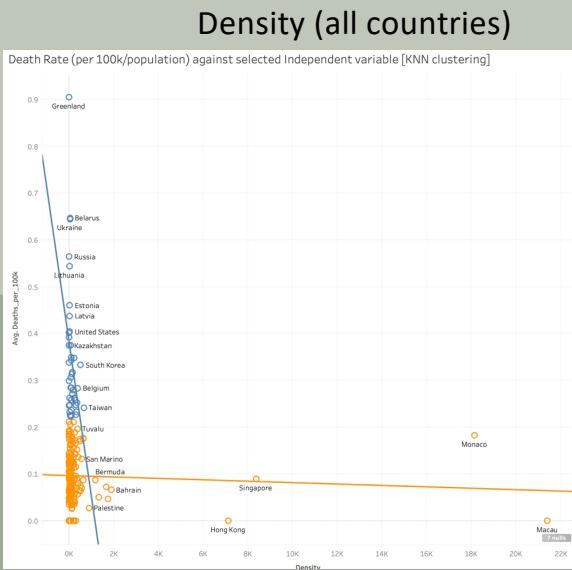
Identified variances would be further reviewed to scope future health-improvement initiatives.

Mental Health

Northern latitudes showed disproportionate mortality compared to mid-latitudes



Mental Health - Analysis



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Outlier countries were primary subject of interest.

Explored relationship between latitude, pop. Density and total population

Generally divided into 2 clusters

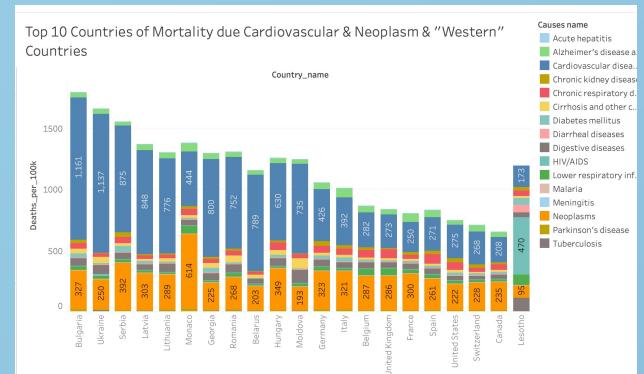
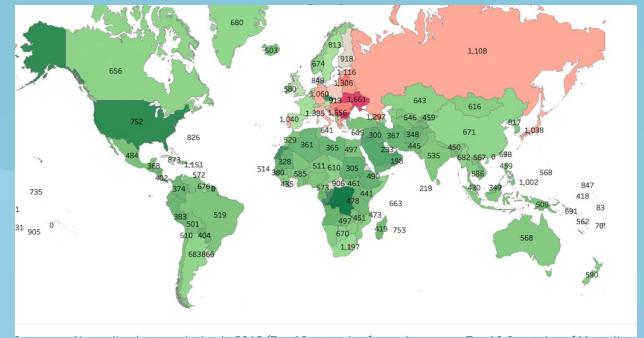
Suitable R² was not found between any of the parameters.

Stands to 'reason' as mental health likely a very multifactorial outcome.

Illness – Cardiovascular and Cancer



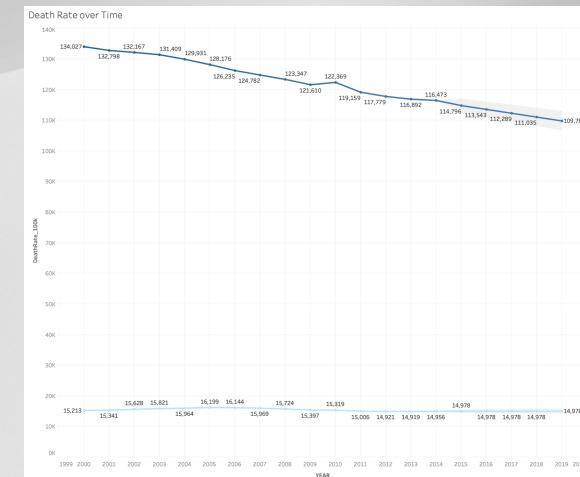
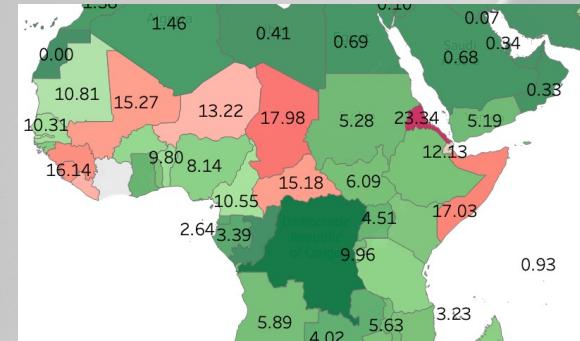
- Eastern Europe showed considerably higher instances than anticipated.
- Fair to assume North America to have greatest cardiovascular deaths?
- Initial comparative analysis between "Top 10" and Western countries
- Future work is to observe trends across past 10-15 years



Maternal Health



- Maternal death rates in Sub-Saharan Africa are consistently and significantly higher than any other region.
- Initial comparative review of death rate trend between Africa and ROW showed disparity.
- Rest Of World decreased. Sub-Saharan Africa remained flat.



Conclusion & Next steps



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- Three distinct geographic regions were identified having significantly greater causes of death than ROW.
- Regions represent opportunities to provide digital health solutions
- Future investigation required to validate findings.

