

Disease Burden US - Thailand Comparison

CSS BOOTCAMP FINAL PROJECT
PROSPERITY LAND

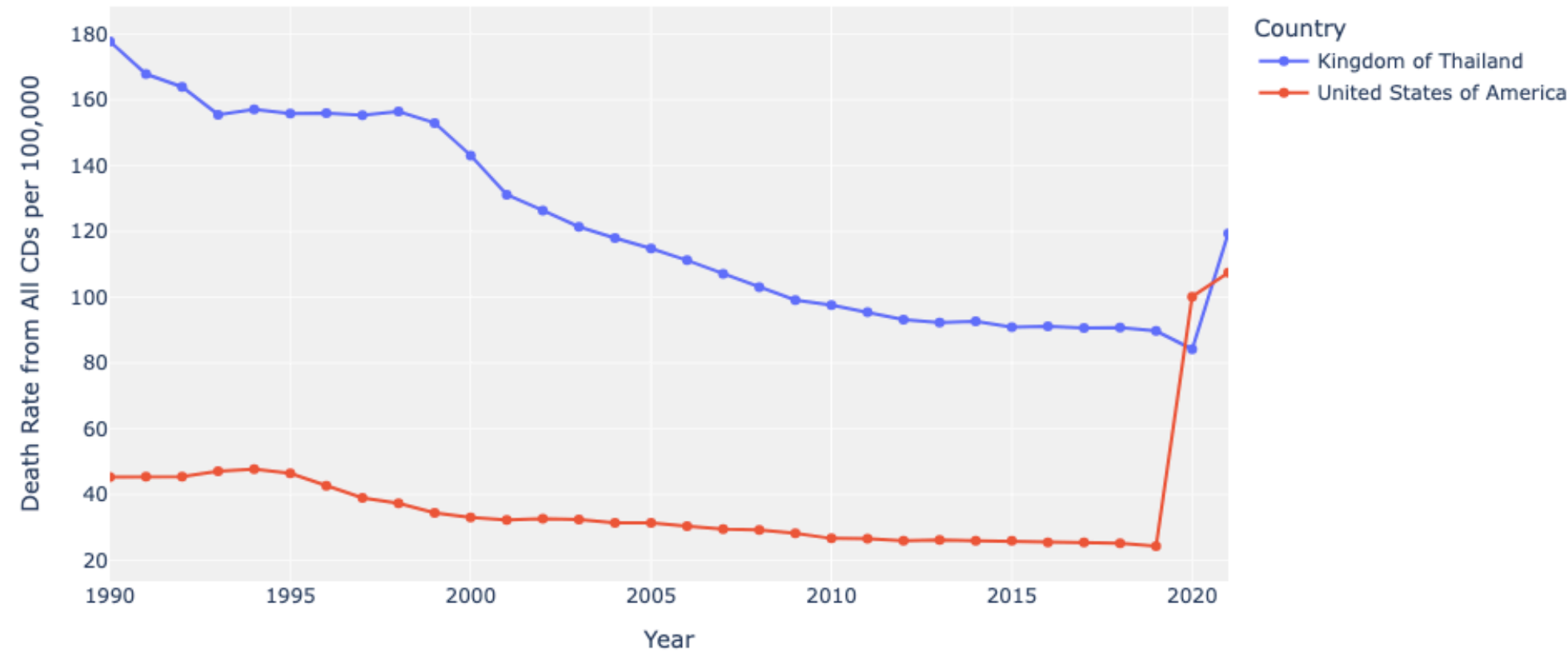
United States

- One of the wealthiest countries in the world
- In 2021:
 - GDP 23.32 trillion USD
 - 18.3% of GDP spent on healthcare
 - \$12,914 per person
- Leading causes of death:
 - noncommunicable diseases responsible for 80.7% of deaths
 - including stroke, heart disease, cancer, diabetes, chronic obstructive pulmonary disease (COPD), etc.

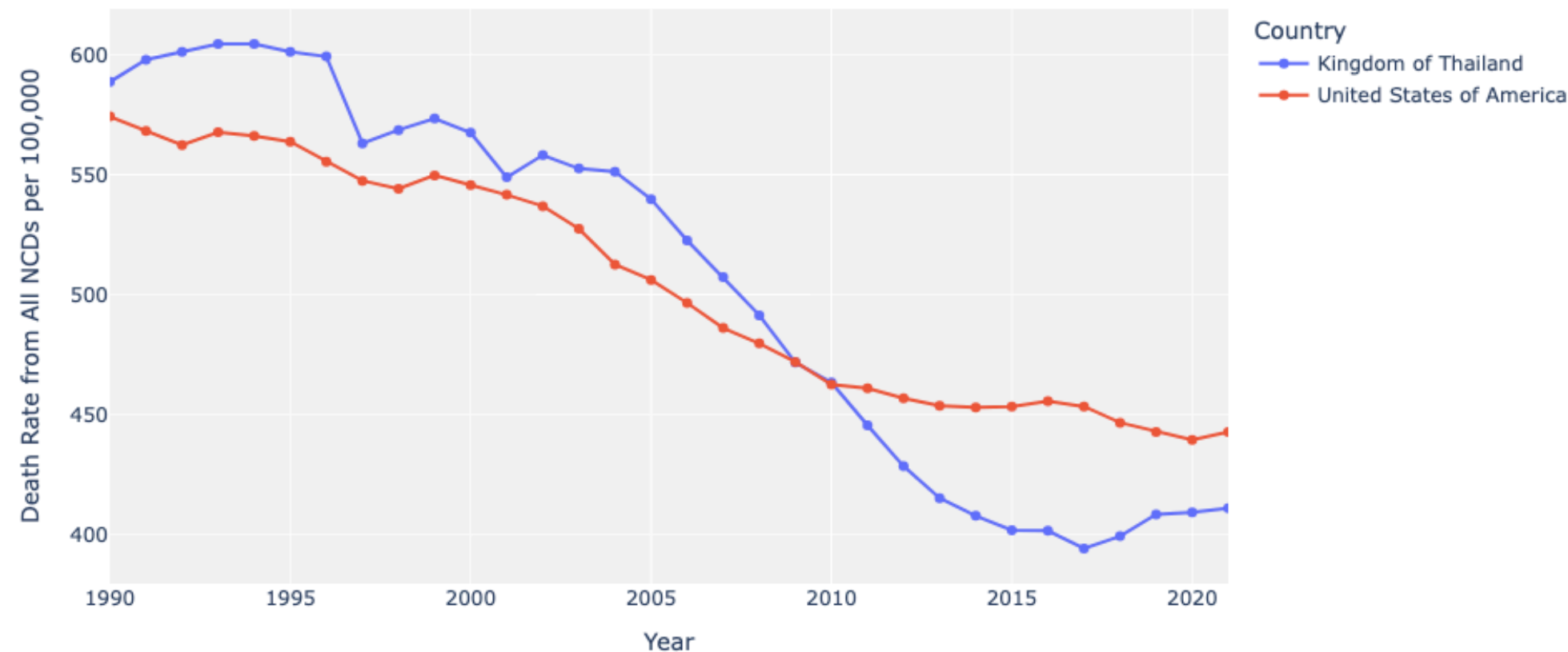
Thailand

- Classifies as upper middle income country
- In 2021:
 - GDP 505.6 billion USD
 - 5.2% of GDP spent on healthcare
 - \$364 per person
- Leading causes of death:
 - noncommunicable diseases responsible for 74% of deaths
 - including cancer, cardiovascular diseases, diabetes, and COPD
 - more susceptible to communicable diseases: HIV, dengue, TB, malaria

Communicable Disease Mortality Rate in Thailand and the United States, 1990 to 2021



Noncommunicable Disease Mortality Rate in Thailand and the United States, 1990 to 2021



Mortality from Communicable and Noncommunicable Diseases

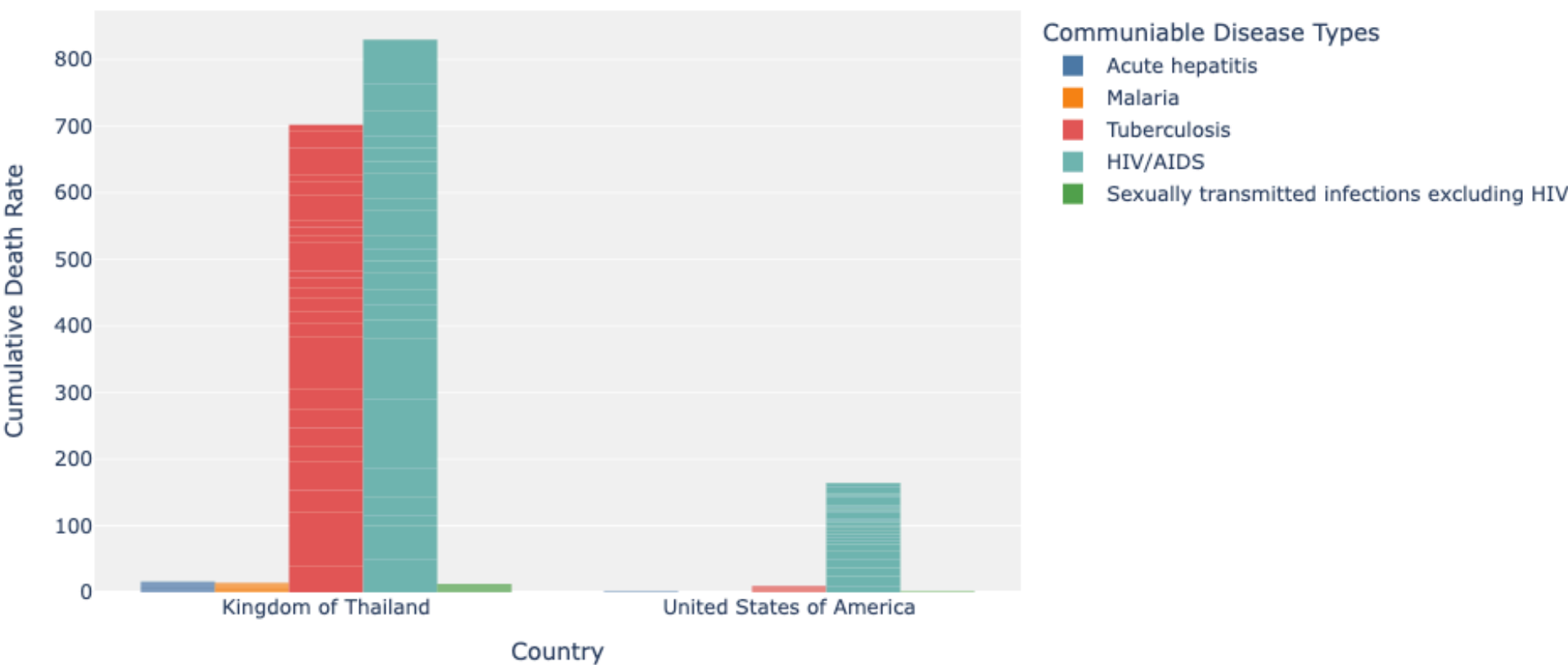
Thailand has made substantial progress

- universal health coverage (2002)
 - reduce health inequalities
 - protect citizens from hefty costs
- increase funding for primary care services
- education and training

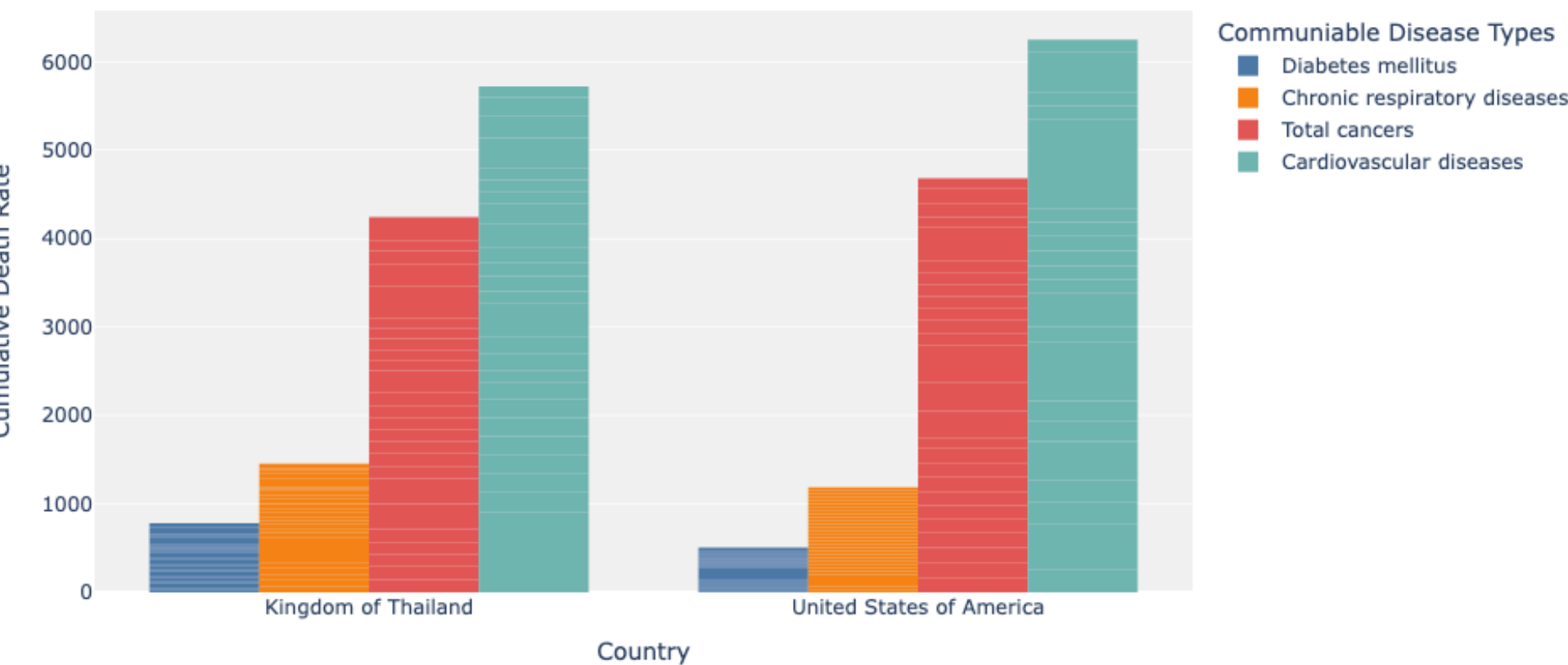
U.S lags behind

- high costs lead to delayed care
- restrict medications, tests, other services
- inaccessible
 - tied to employment
 - transportation

Communicable Disease Mortality Rate in Thailand and the United States, 1990 to 2021



Noncommunicable Disease Mortality Rate in Thailand and the United States, 1990 to 2021



A Showdown Between the Top Killers

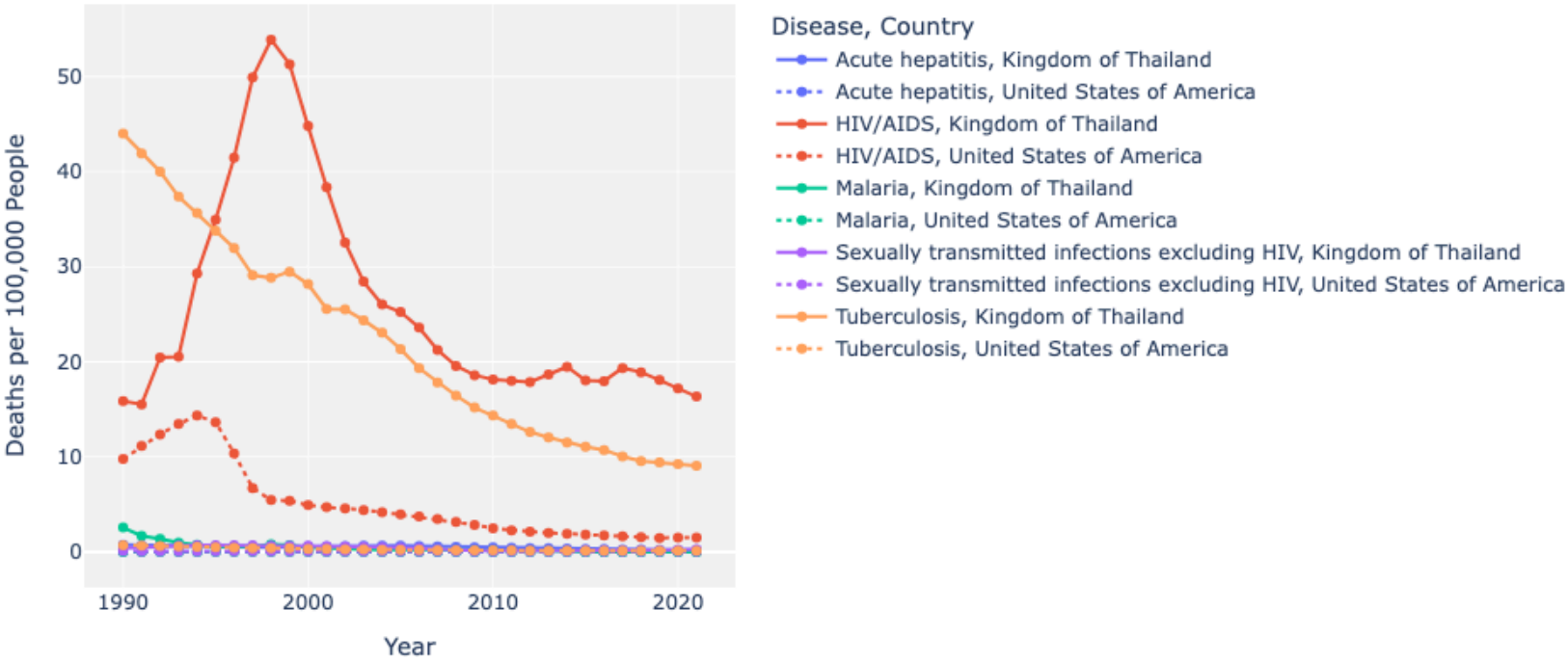
Communicable diseases – Thailand

- tropical climate, dense forests -- dengue, malaria
- increase in migration
- poverty, poor sanitation

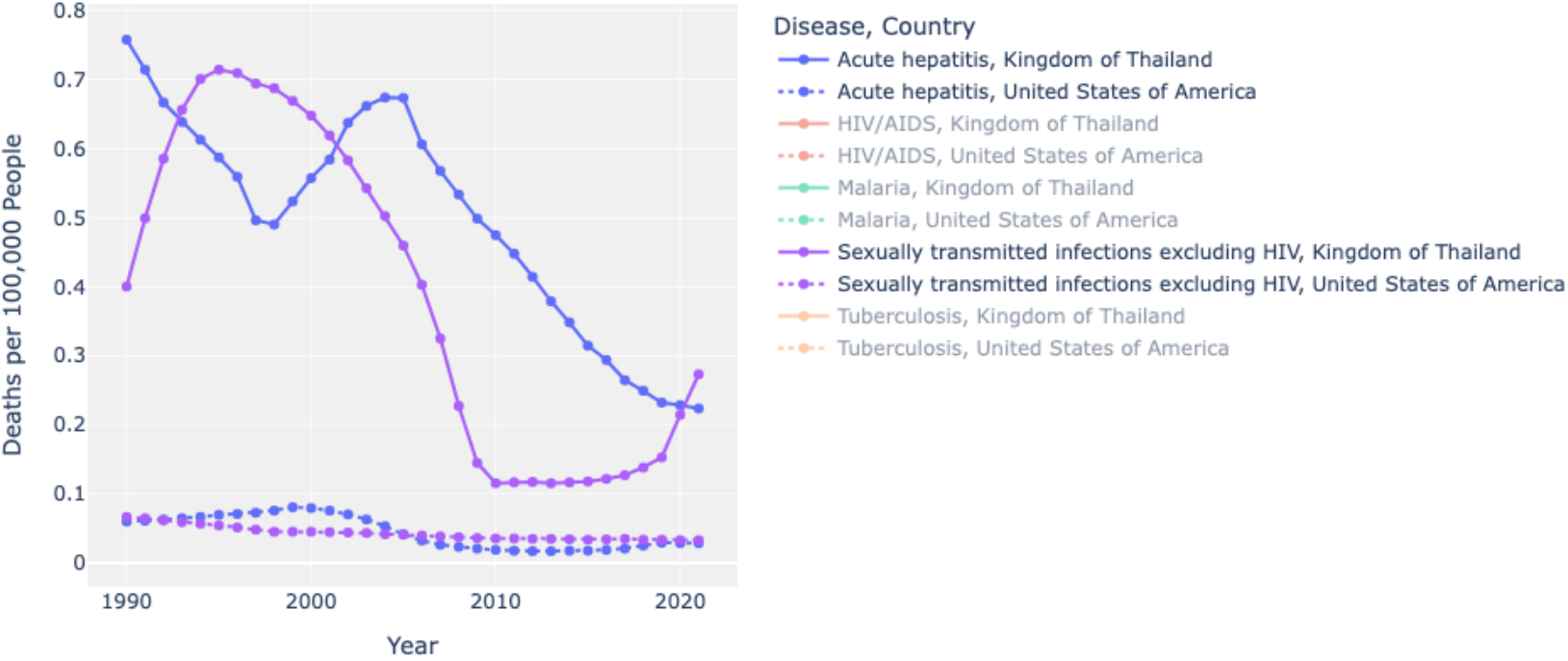
Noncommunicable diseases – US

- fragmented health system
 - limited public health resources
 - large uninsured population
- high chronic disease burden
- unhealthy lifestyle
 - smoking
 - obesity

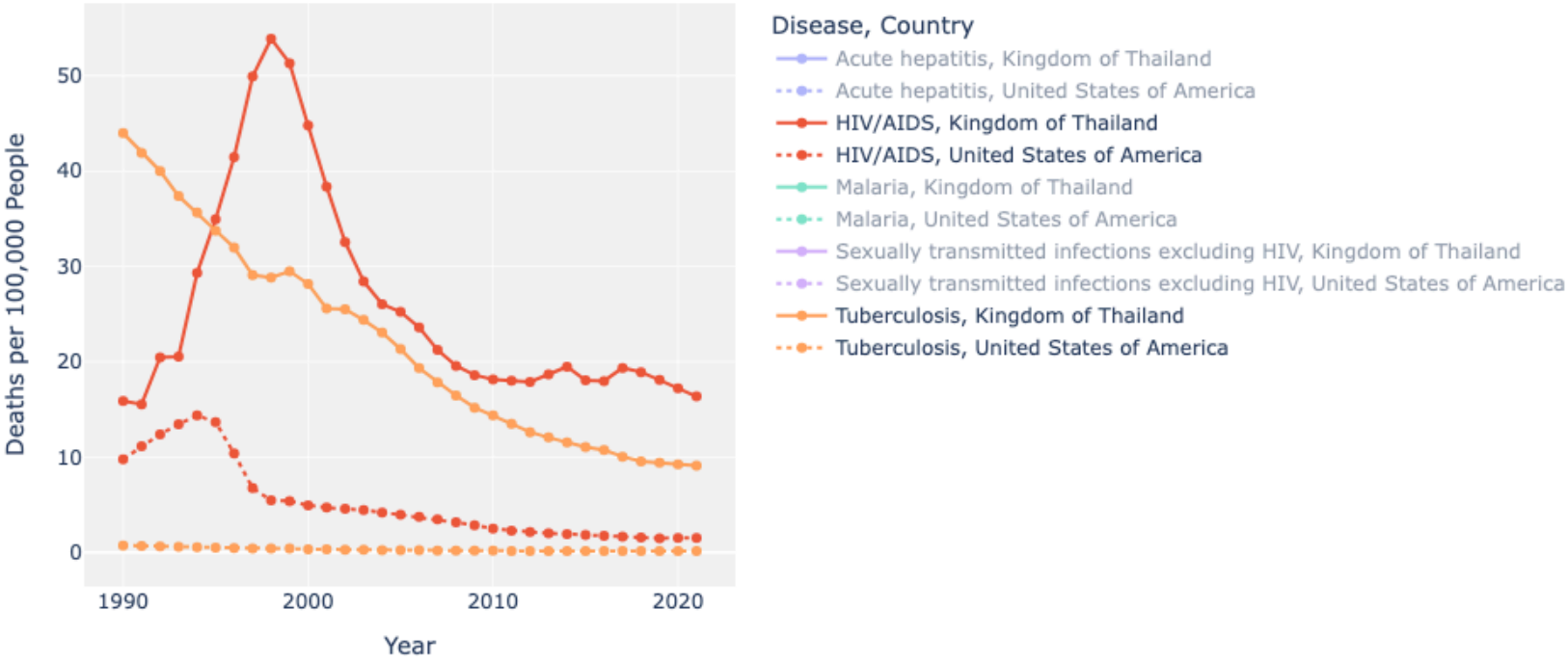
Communicable Disease Mortality Rate by Disease in Thailand and the United States, 1990 to 2021



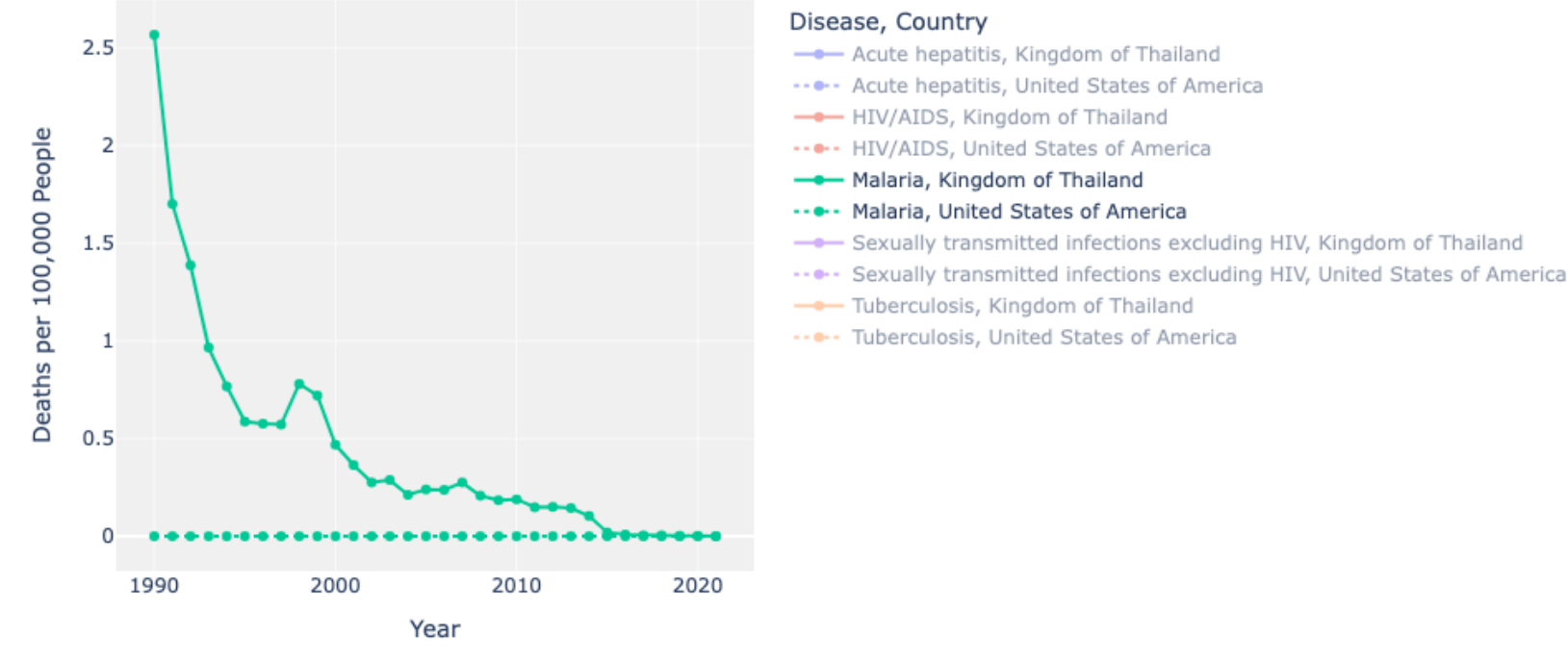
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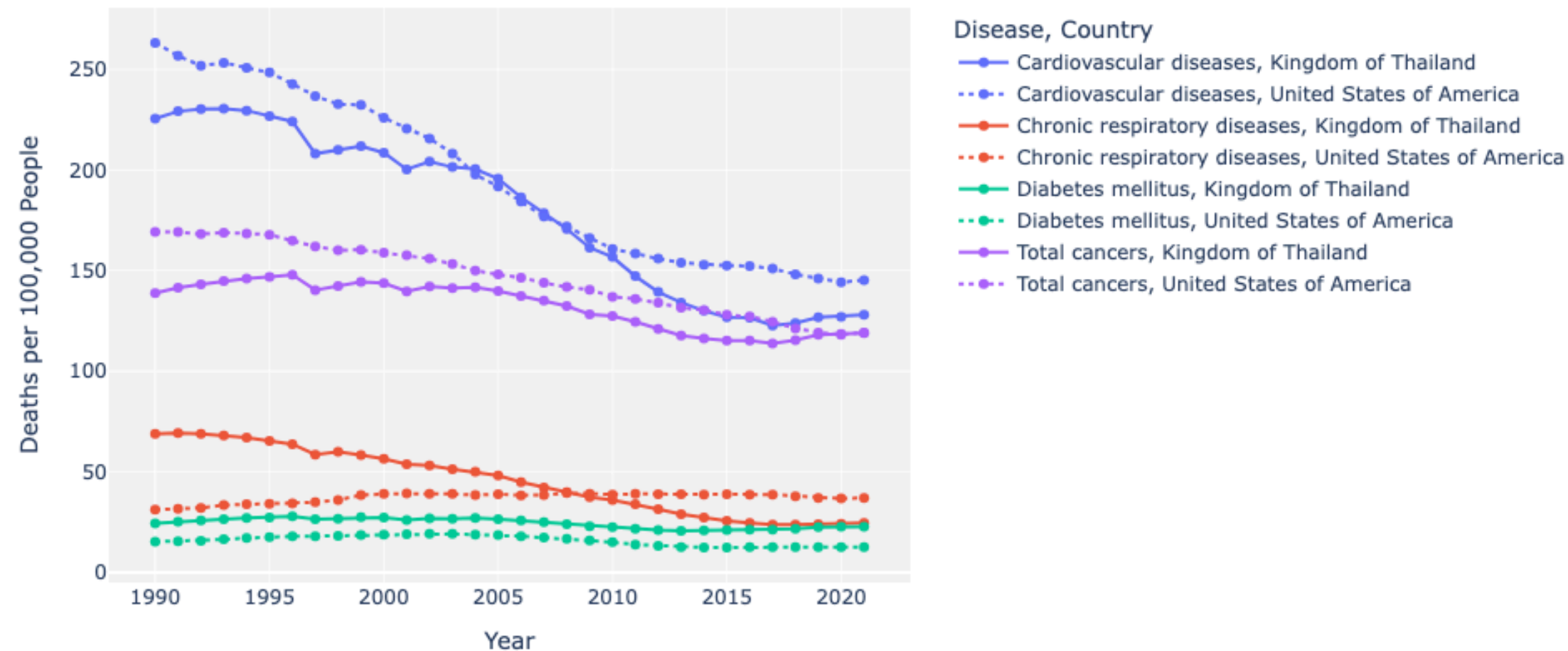


Life Expectancy

Thailand: 80 years
SEA: 73

United States: 77 years
HIC: 78-79

Communicable Disease Mortality Rate by Disease in Thailand and the United States, 1990 to 2021



Dataset from the Institute for Health Metrics and Evaluation