

# Investing in Our Future: Does Education and Health Spending Matter?

A look into the USA and Canada, two  
neighboring countries

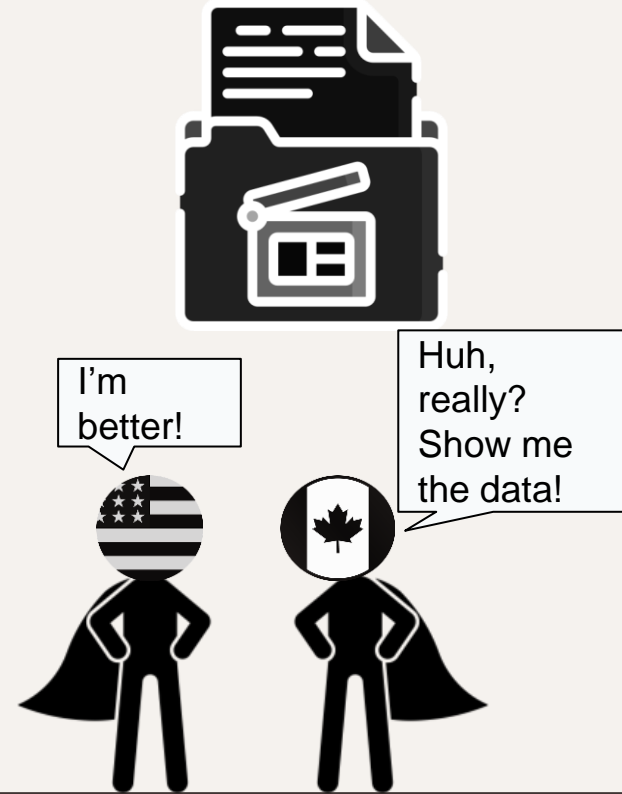
***Time Frame:*** 2004-2013

**Rosemary Espinal**



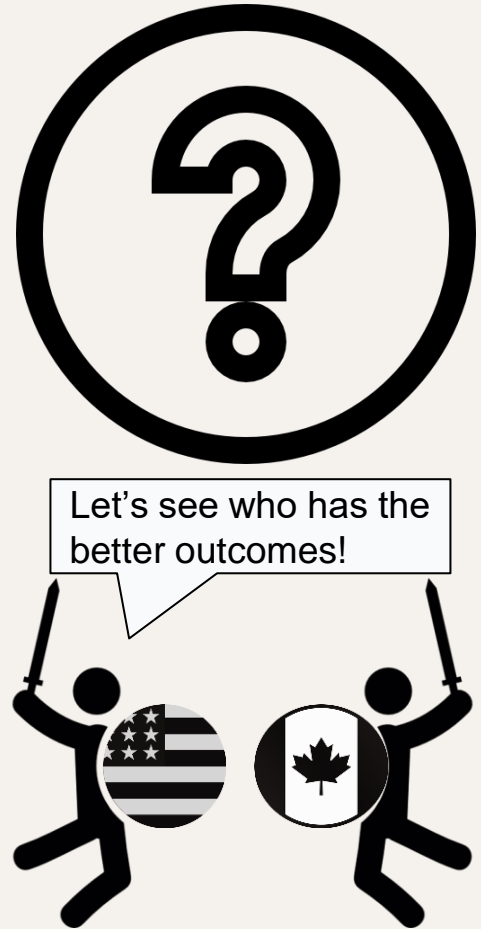
# Scenario:

Once upon a time, there were two neighboring countries: United States and Canada that both shared a passion for health and education. However, they both had different approaches to funding these important areas.



# Question:

- Does a country's health and educational outcomes improve based on how much money they put into those critical areas?
  - The United States put more money in both areas than Canada.  
*(for the most part)*
- Why is knowing our health and educational outcomes important?





# Hypothesis:

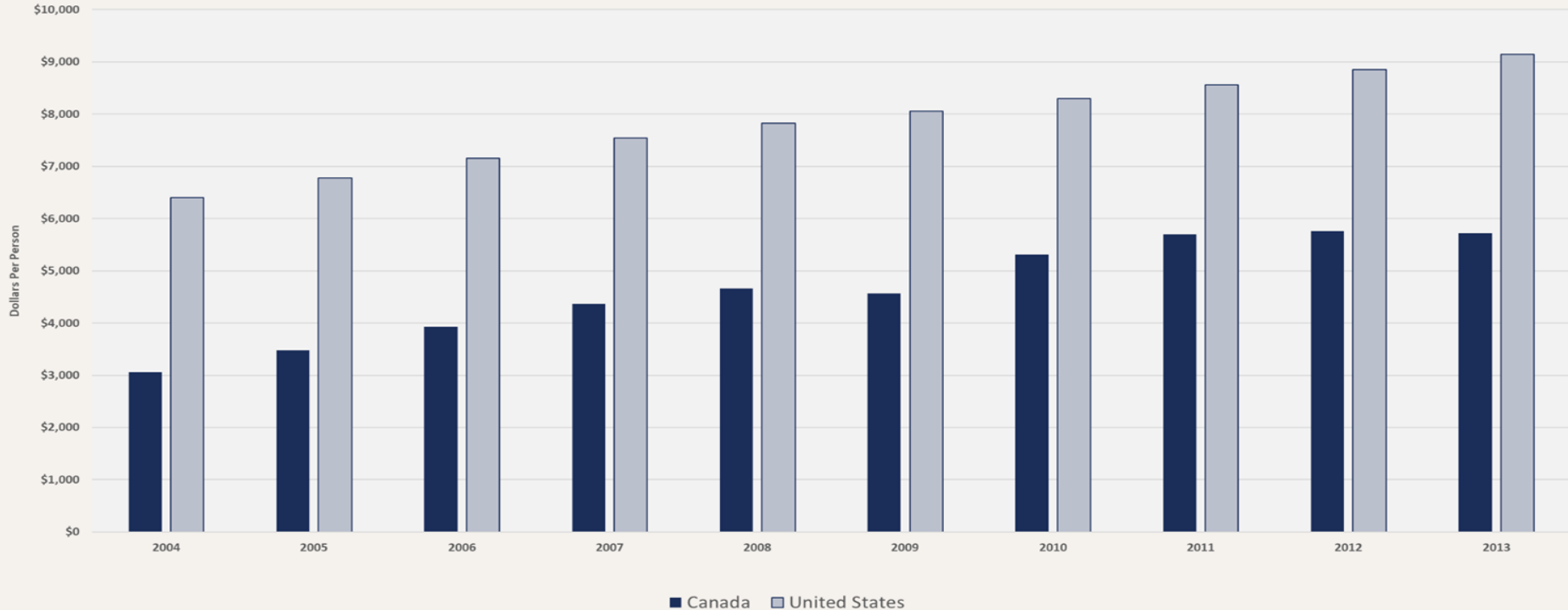
The United States will have better health and education outcomes than Canada because when you have more resources, you are able to provide better services. Better services means better education attainment and health outcomes.



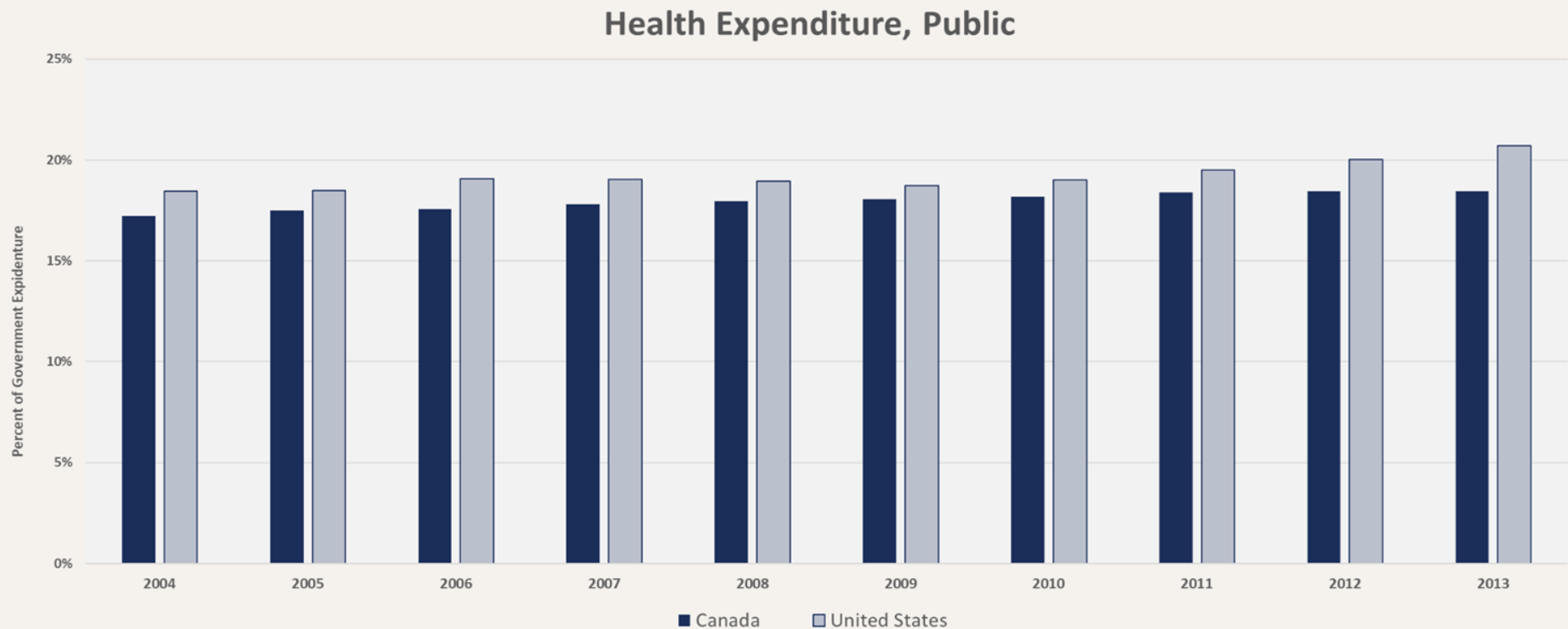
# **Government Spending On Health**

# Government Spending on Health

Health Expenditure, Public (Per Capita)



# Government Spending on Health

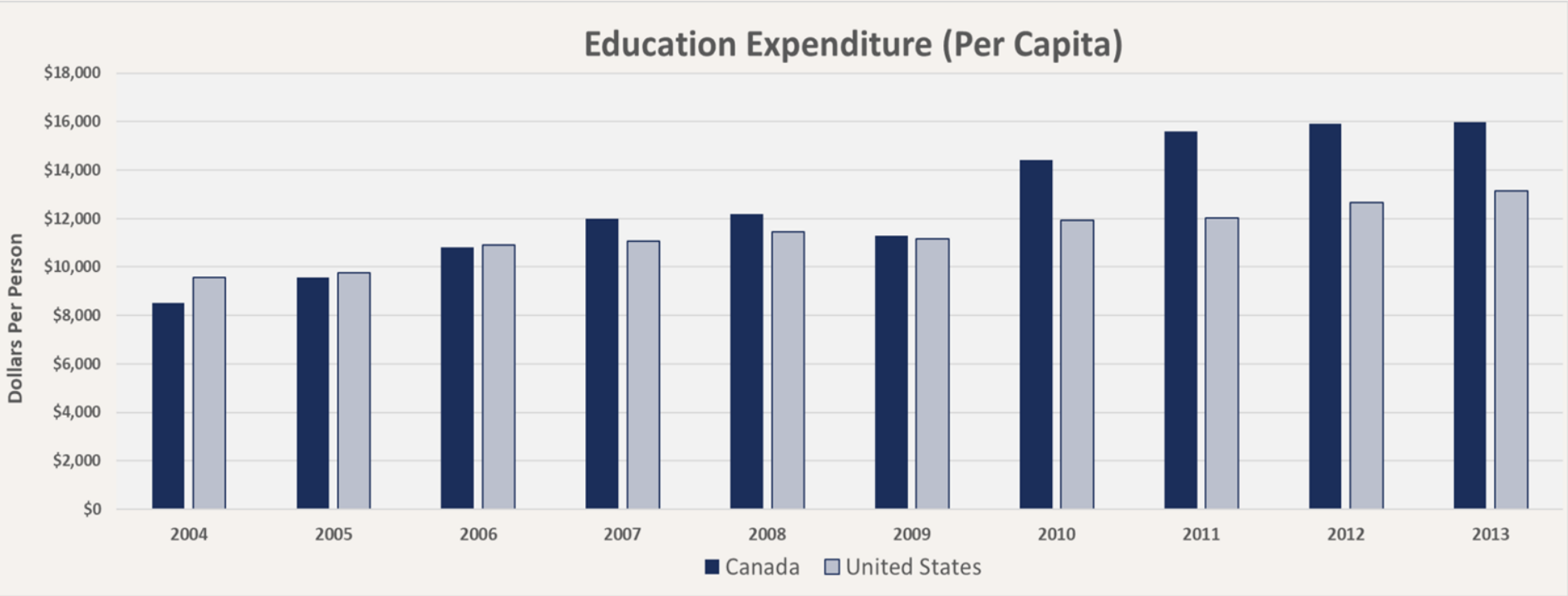




# **Government Spending On Education**



# Government Spending on Education



More money into health &  
education

=

better outcomes, right?

Let's find out...



# Health Outcomes



## Life Expectancy Age



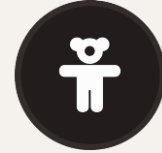
USA

Average: 78 years



Canada

Average: 81 years



## Mortality Rate, Infant



USA

Average: 6 deaths  
per 1,000 live  
births



Canada

Average: 5  
deaths per 1,000  
live births

Both life expectancy and mortality rate in the USA & Canada has improved over this time frame (2004-2013).

# Health Outcomes



## Immunization

Diphtheria, pertussis, tetanus



USA

Average: 95.4%



Canada

Average: 94.6%



## TB / HIV Incidences



USA

Average: 4.6 per  
100,000 people



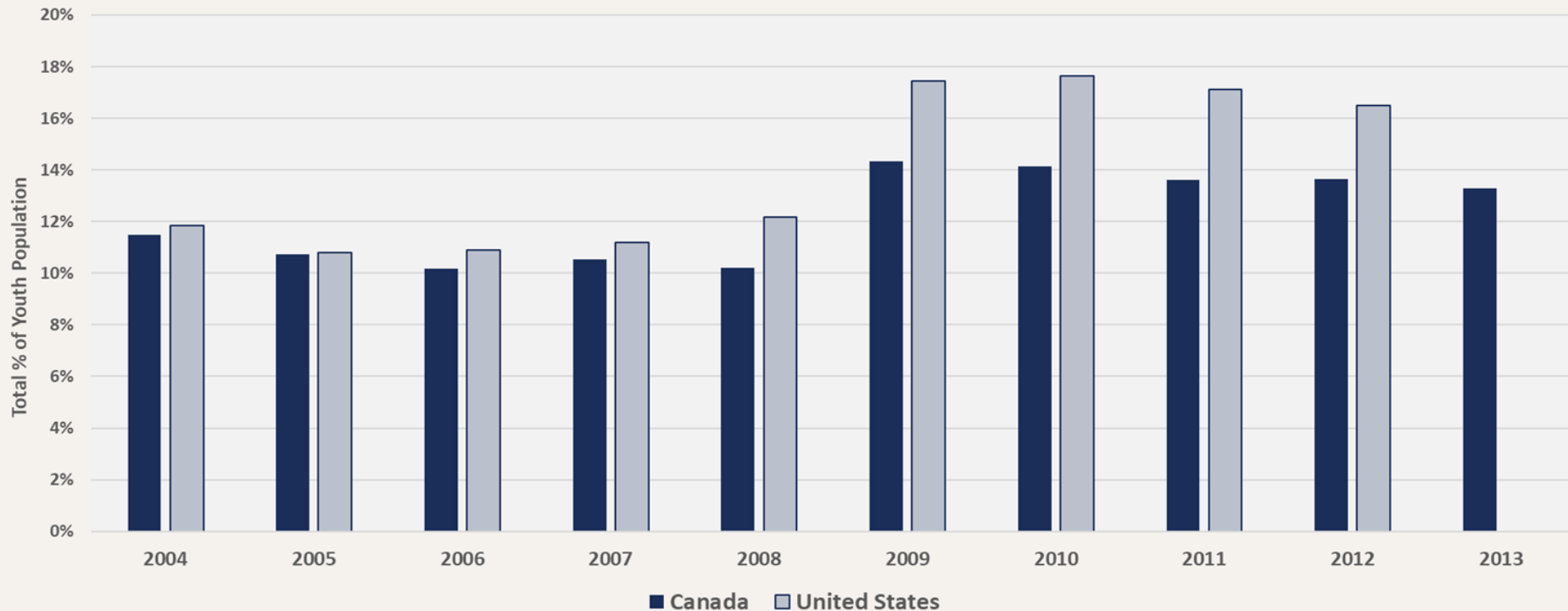
Canada

Average: 5.2 per  
100,000 people

Both immunization and TB/HIV incidences in the USA & Canada has improved over this time frame (2004-2013).

# Education Outcomes

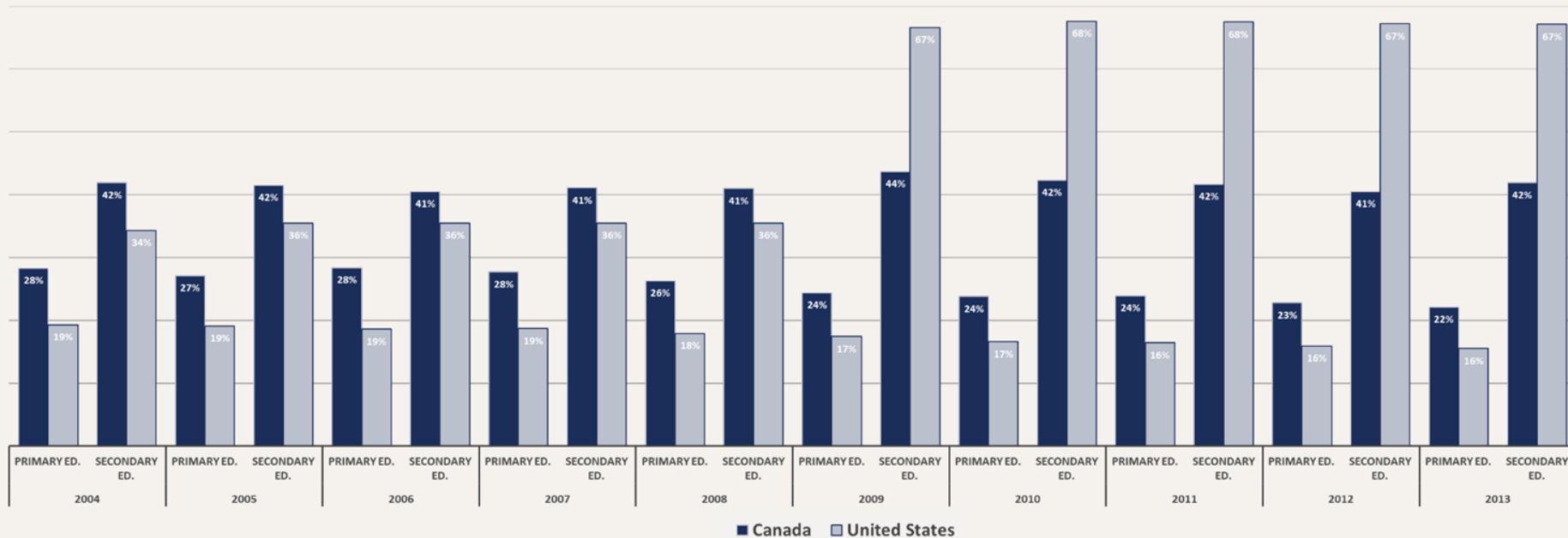
Share of Youth (NEET), Ages 15-29



# Education Outcomes

## Unemployment with Primary & Secondary Education

% of Total Unemployment



More money into health &  
education

=

better outcomes?

Not necessarily.

# Key Takeaways - Conclusion

- The data suggests that people in **Canada** overall have better health and education outcomes
- **Other factors like:**
  - Canada's free healthcare system
  - USA having insurance companies
  - Social, Cultural, Economic

## Why?

- 1. Country's overall development.
- 2. Education and Health are linked.
- 3. Identify areas where improvements are needed.



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# The End.



# Thank you!

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# Sources

- <https://www.kaggle.com/datasets/kaggle/world-development-indicators>
- <https://medical.rossu.edu/about/blog/us-vs-canadian-healthcare>

## Tools Used:



**Excel:** Data  
Cleaning &  
Visualizations



**SQL:** Data  
exploration