Social Determinants of Health





Objectives

01

How do socio economic characteristics and health related characteristics differ across Canadian provinces and and what implications do these differences have for targeted policy-making?

02

How does the expenditure on education correlate with other features among the provinces?

03

What provinces should be taken into consideration to create a more equitable, healthy, and prosperous society?

04

What are the possible actions that can be taken by the policy makers to improve the conditions?

Data analysis and sources

- Statistics Canada
- Statscan
- Canadian Public Health association
- The Canadian facts
- Canadian best Practices portal
- Other literary resources.

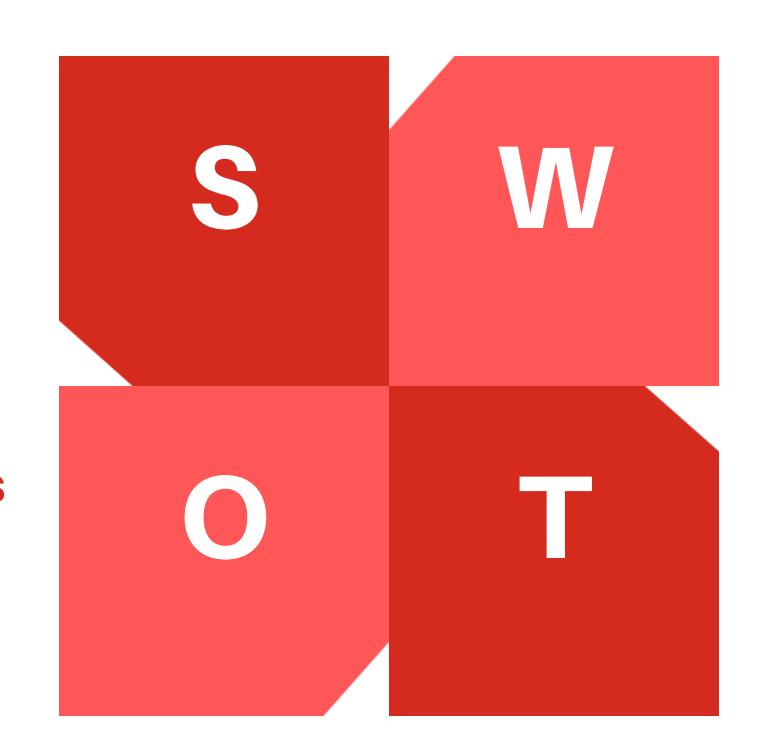


STRENGTHS

- High GDP
- Economic prosperity
- Educational access

OPPORTUNITIES

- Targeted policy interventions
- Health education
- Collaborative initiatives



WEAKNESSES

- Geographical disparity
- Income inequality
- Drug abuse

THREATS

- Economic instability
- Aging population
- Social inequalities



CORRELATION

Health Outcomes

- Life expectancy at birth and at 65 are strongly correlated.
- Economic prosperity (GDP) significantly contributes to better health outcomes.

Education

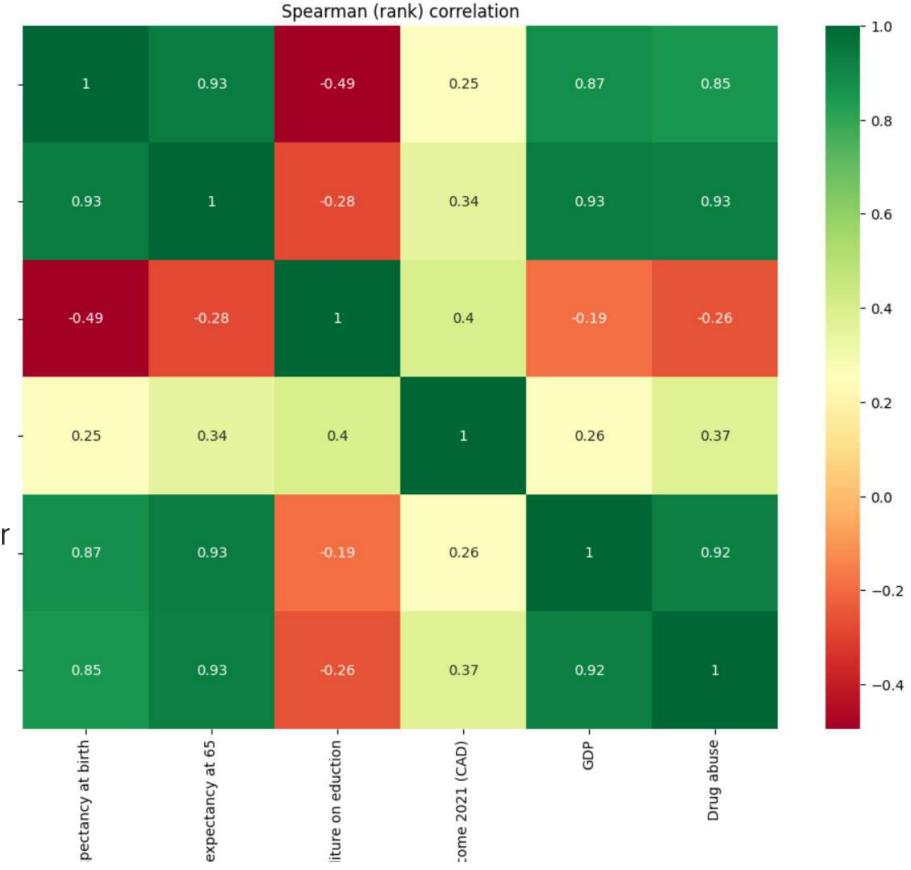
- Expenditure on education shows weaker or negative correlations with life expectancy and GDP.
- Factors beyond financial investment influence educational and health outcomes.

Income and Drug Abuse

- Median family income and GDP strongly correlate with higher drug abuse.
- Wealthier regions may experience more social stress, contributing to drug abuse.

Economic Factors

- GDP strongly affects life expectancy and drug abuse.
- Weak link with education spending shows need for targeted investments.





- Cluster 0:
- Provinces: Quebec, Ontario, Alberta,
 British Columbia
- Characteristics:
- High GDP and median family income.
- Higher life expectancy and education expenditure.
- Well-developed healthcare and economic infrastructure.



• Cluster 1:

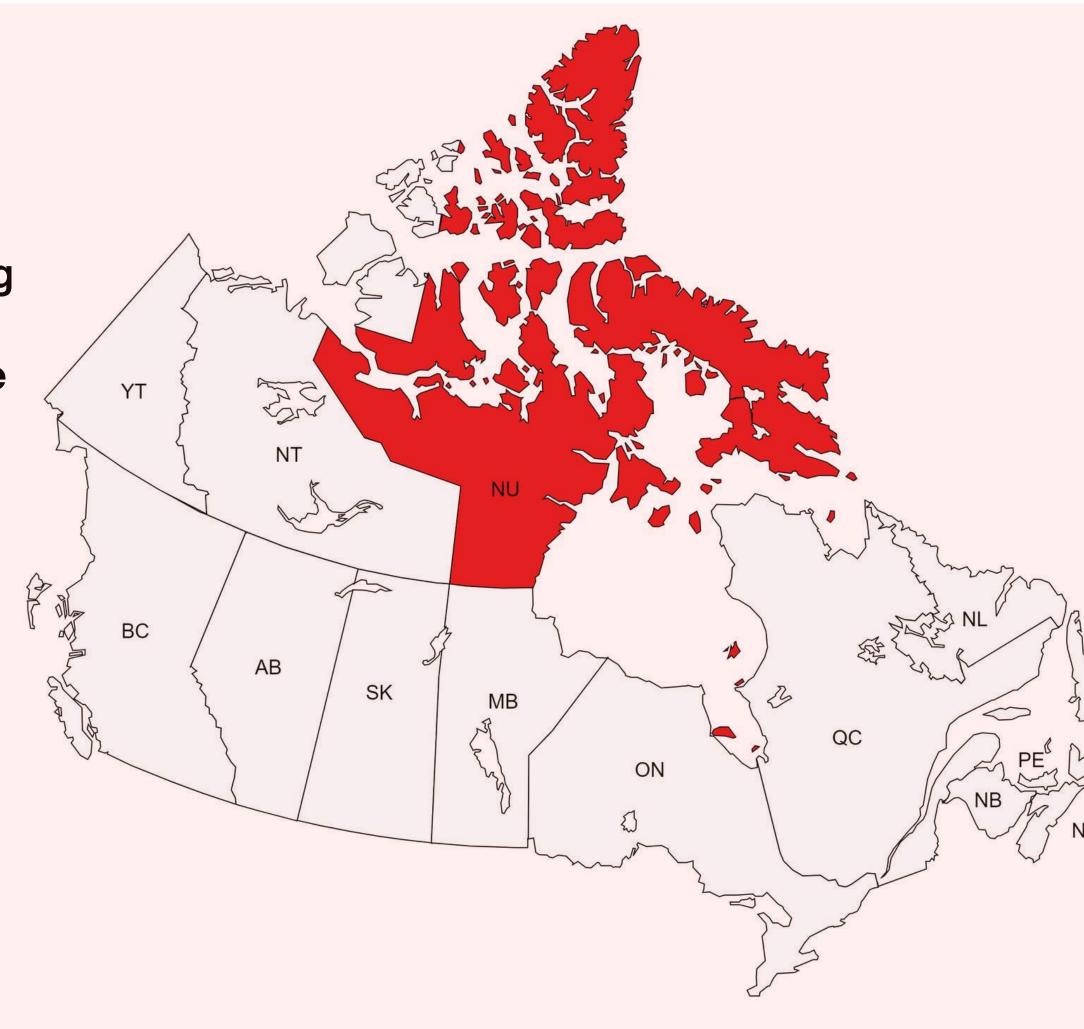
Province: Nunavut

Characteristics:

 Lowest life expectancy and highest drug abuse rates.

• Distinct socio-economic challenges due to geographical isolation.

Lower education expenditure and GDP.



• Cluster 2:

Provinces: Yukon, Northwest
 Territories

Characteristics:

• Similar to Nunavut but with slightly better socio-economic outcomes.

- Geographical challenges impact healthcare and education.
- Lower GDP and median income compared to Cluster 0.





Finding

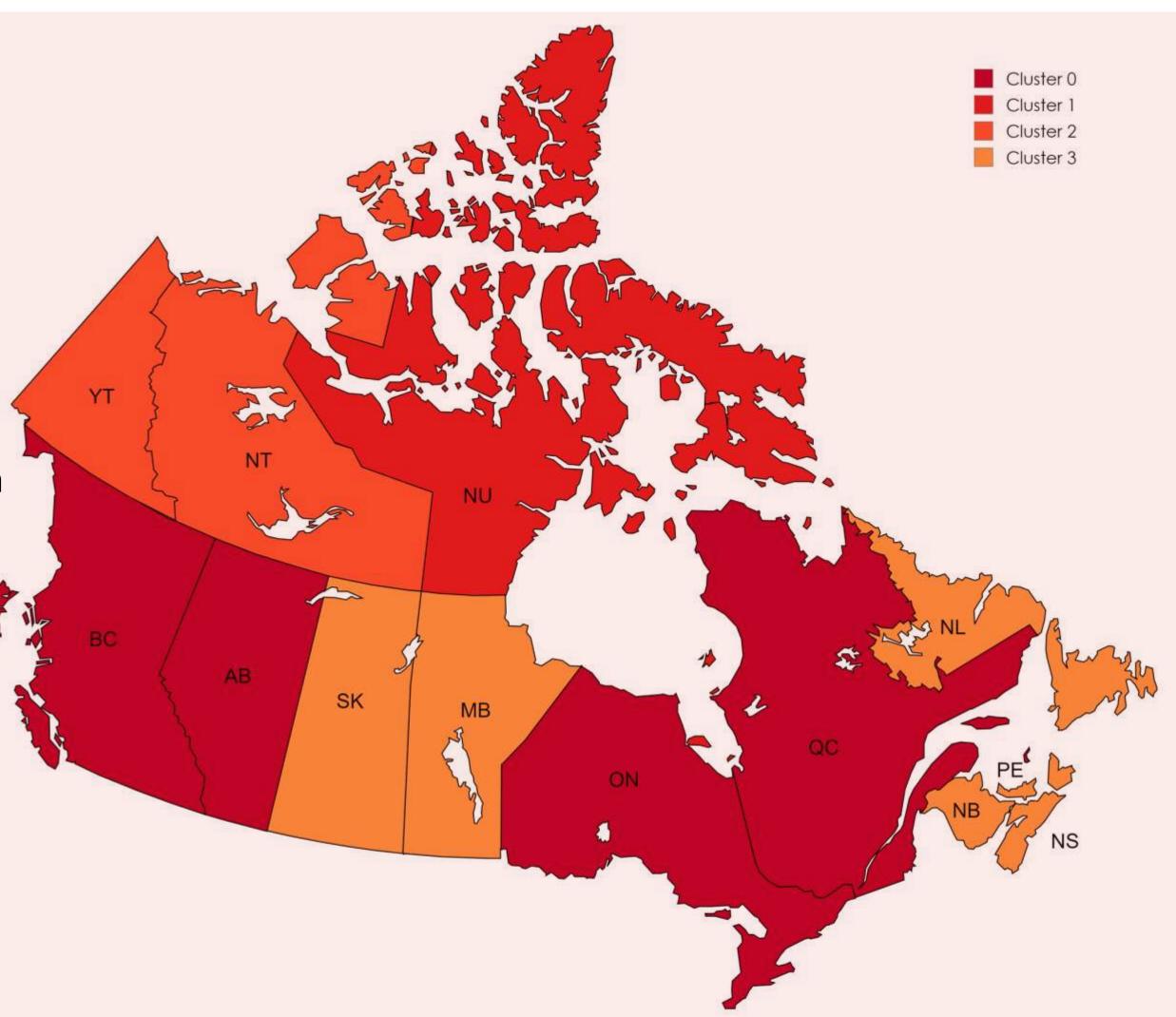
 Life Expectancy: Highest in Cluster 0, lowest in Cluster 1 (Nunavut).

 Education Expenditure: High in Cluster 0; lower in Clusters 1 and 2.

 Median Family Income: Highest in Cluster 0, with Clusters 1 and 2 trailing.

GDP: Follows the same trend as family income, reflecting economic disparities.

 Drug Abuse: Elevated in Cluster 1 due to socio-economic challenges.



Recommendations

Targeted Health Interventions for Remote and Northern Regions

Balanced Investment in Education

Economic Development in Disadvantaged Areas

Comprehensive Drug Abuse Prevention and Rehabilitation Programs