Interprovincial COVID-19 Data Analysis

CPSC 547 Pitch

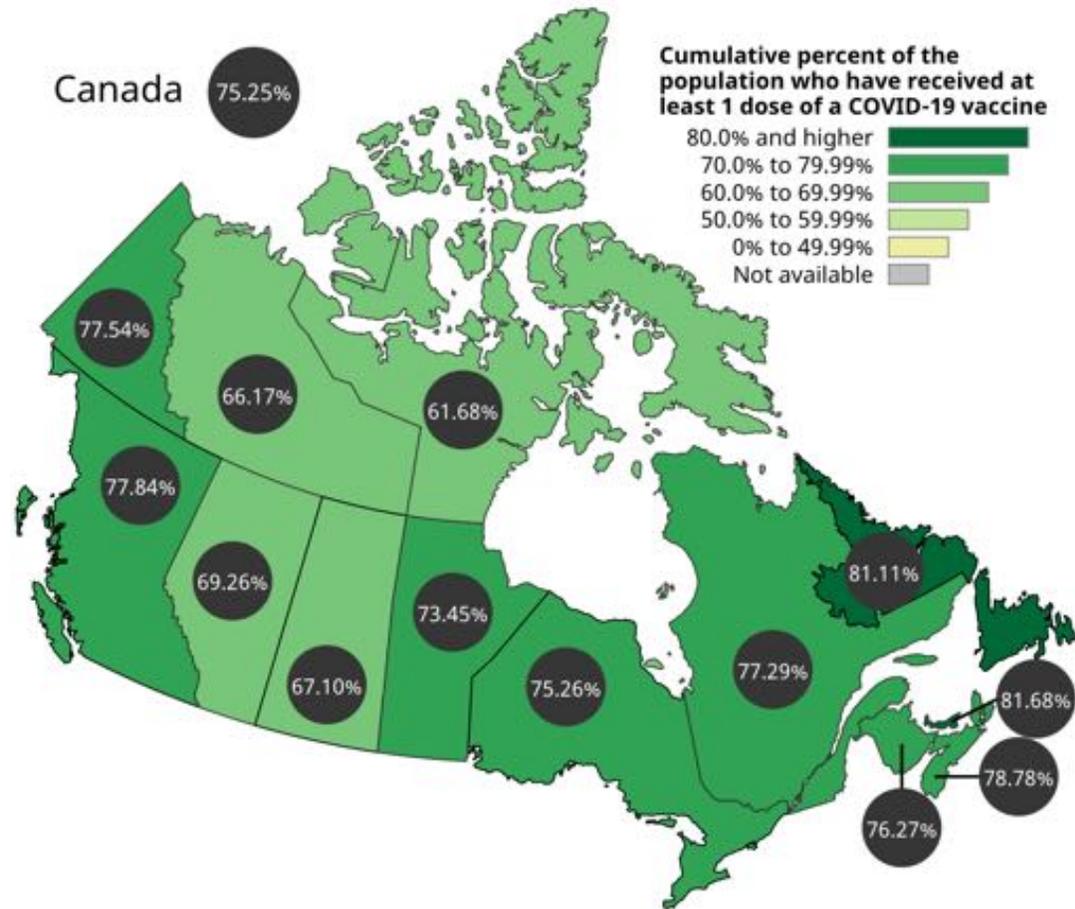Jocelyn Minns

September 29th, 2021

Problem

- In Canada, the COVID data is handled by each province

- Comparing and contrasting different provincial data is difficult
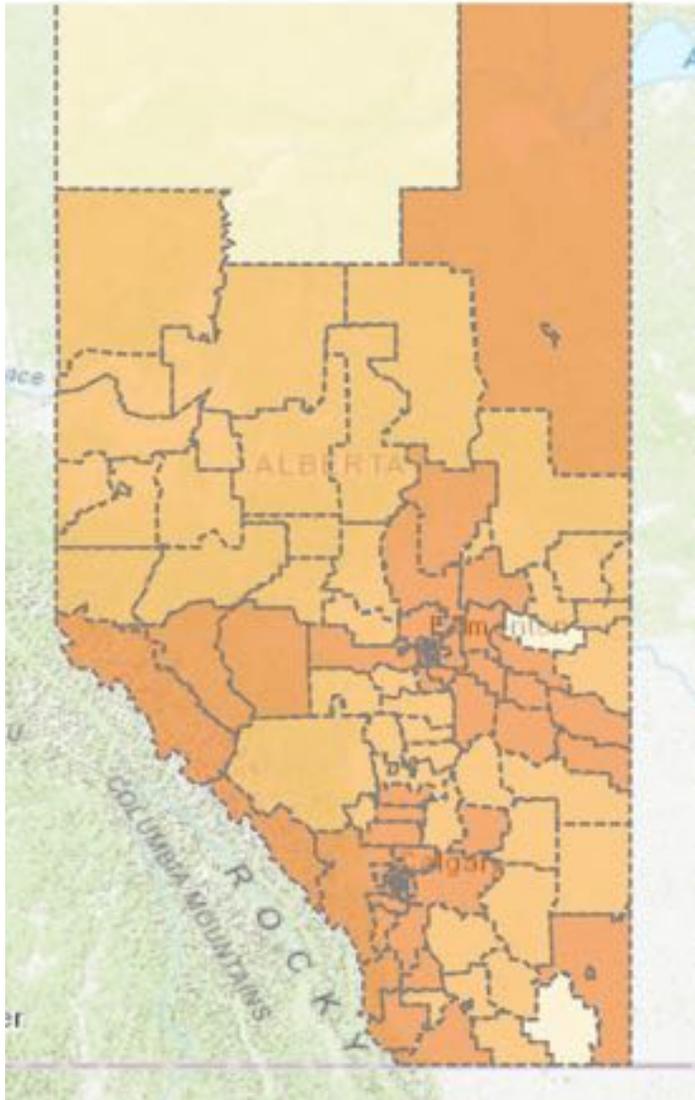
Vaccination rates across Canada

Map of vaccinations

From Our World in Data · Last updated: 2 days ago

🇨🇦 Canada

Total doses given	56M
People fully vaccinated	26.9M
% fully vaccinated	71.5%

Greenland

Canada

United States

Keyboard shortcuts   Map data ©2021   Terms of Use

No data   Partial data   0%   2%   5%   10%   20%   30%   >40%

% of people fully vaccinated · About this data

- Google.ca
  - Data only for all of Canada

Vaccination rates across Canada

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- health-infobase.canada.ca
  - Data by province

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- alberta.ca
  - Data by region for only Alberta

Vaccination rates across Canada

COVID-19 Vaccine Doses Delivered in Saskatchewan (as of September 28, 2021)

Region	1st Doses Given	Fully Vaccinated	Total Doses Given
Far North West	14,202	11,619	25,821
Far North Central	1,402	920	2,322
Far North East	12,672	9,971	22,643
North West	54,805	44,263	99,068
North Central	55,937	48,851	104,788
North East	27,919	25,127	53,046
Saskatoon	225,912	206,989	432,901
Central West	23,855	21,545	45,400
Central East	64,671	58,750	123,421
Regina	190,320	174,999	365,319
South West	23,941	21,554	45,495
South Central	40,484	36,771	77,255

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  - Data by region for only Alberta
- dashboard.saskatchewan.ca
  - Data by region for only Saskatchewan

Vaccination rates across Canada

I cannot effectively compare provincial data across multiple platforms

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Project Goals

- Consolidate data across Canada into one platform

- Show data on case rates, vaccination rates and R rates by region

- Allow comparison of regions across multiple provinces based on population density, age demographics or mask mandates

- Show changes in rates over time by regions

- If possible, offer insight into region based restrictions (mask mandates, restaurant availably, event capacity limits, etc.)

Thank you!