

Flu Vaccination in Canada

Exploring the individual traits correlated to annual flu vaccination decisions

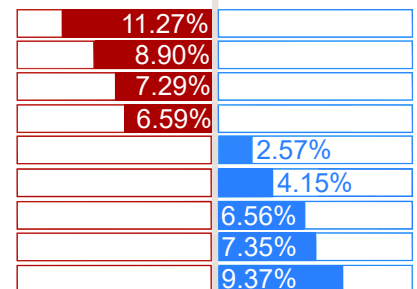
Probability* of Receiving Flu Shot

Behavioural Traits

Using Cell Phone While Driving
Not Wearing a Seatbelt While Driving
Regular Smoking
Didn't Attempt to Find a Doctor
Frequently Exercising
Having Strong Social Relationships
Healthy Eating
Having a Family Doctor
Getting a Regular Checkup

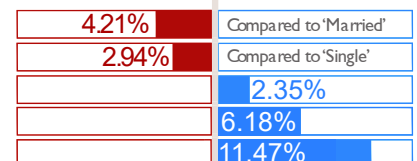
Less Likely

More Likely



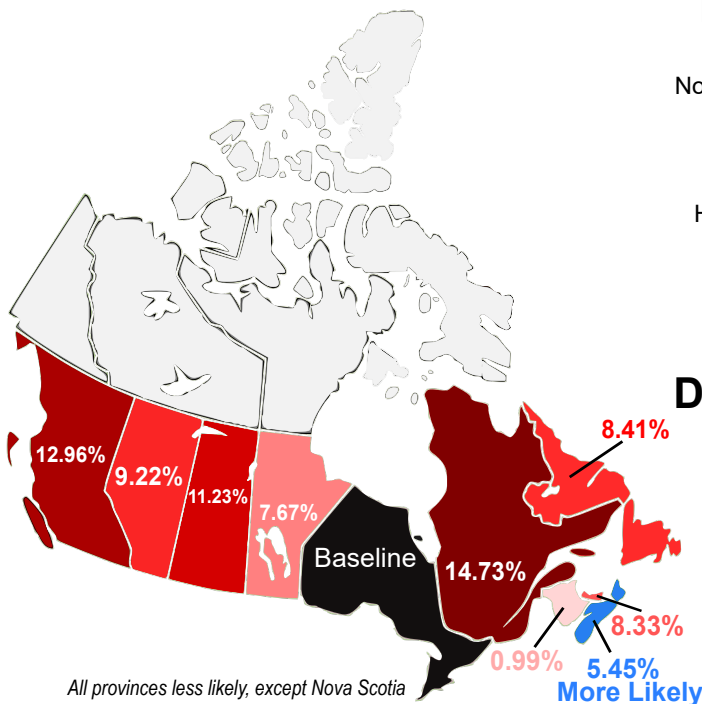
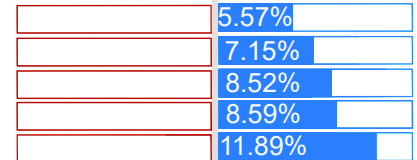
Demographic Traits

Divorced/Widowed/Separated
Married or Common-Law
Post-Secondary Graduate
Female
Having a Young Child (0-5 yrs)



Health Conditions

Arthritis
Cancer
Heart Disease
Asthma
Diabetes



Why It Matters

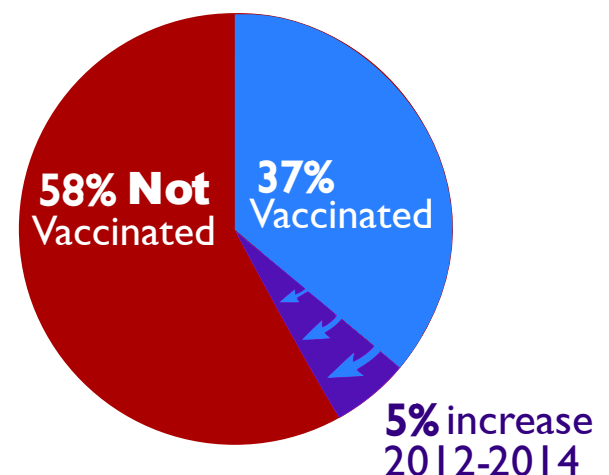
GOAL

Objective Vaccination Coverage

>80%

REALITY

Canadian Vaccination Coverage



"...the vaccination coverage objective proposed in healthy persons [...] is sufficient to establish herd immunity against most influenza viruses."

- Plans-Rubió, 2012

* Marginal Effect, visually normalized relative to other variables

Sources: 2012-2014 Canadian Community Health Survey

Plans-Rubió, Pedro, 2012. "The vaccination coverage required to establish herd immunity against influenza viruses." Preventive medicine 55:1 Pages: 72-77.