WHAT ARE THE DETERMINANTS OF HEALTH? AND WHY DO THEY MATTER?

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Drug Pricing Policy Summit 2018: Patients Redefining Health Care
Toronto, Canada
Social determinants of health

Example of a real world situation

Value-based health care and the social determinants

AGENDA

What are the determinants of health? And why do they matter?
15 Things Money Can’t Buy

Time, Happiness, Inner Peace, Integrity, Love, Character, Manners, Health, Respect, Morals, Trust, Patience, Class, Common sense. Roy T Bennett
15 Things Money Can't Buy

“Now here’s a newsflash. Recent studies show that feelings of well-being rise with income.”
Canadians were divided into five quintiles of approximately equal numbers from poorest to wealthiest.

Over a 16 year period, the number of deaths of the wealthiest 20% of Canadians was compared to the other 80% of Canadians.

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**That is equivalent to 110 deaths each and every day.**

LIFE EXPECTANCY AT BIRTH BY NEIGHBOURHOOD INCOME AND SEX, URBAN CANADA, 1971-2001

Source: Wilkins et al. (2007), Statistics Canada; In The Chief Public Health Officer's report on the state of public health in Canada 2008: Addressing Health Inequalities
INFANT MORTALITY RATE BY NEIGHBOURHOOD INCOME, URBAN CANADA, 1971-2001

Source: Wilkins et al. (2007), Statistics Canada; In The Chief Public Health Officer's report on the state of public health in Canada 2008: Addressing Health Inequalities
AGE-STANDARDIZED MORTALITY RATES FOR ISCHEMIC HEART DISEASE BY NEIGHBOURHOOD INCOME, MALE, URBAN CANADA, 1971-2001

Source: Wilkins et al. (2007), Statistics Canada; In The Chief Public Health Officer's report on the state of public health in Canada 2008: Addressing Health Inequalities
AGE-STANDARDIZED MORTALITY RATES FOR LUNG CANCER BY NEIGHBOURHOOD INCOME, FEMALE, URBAN CANADA, 1971-2001

Source: Wilkins et al. (2007), Statistics Canada; In The Chief Public Health Officer's report on the state of public health in Canada 2008: Addressing Health Inequalities
They’re Richer Than You Think

The richest 1% of Canadians made 15 times more than the average Canadian made in 2010. In 1980, the ratio was 9 times.

How does your city rank?

26x
Calgary

23x
Toronto

18x
Vancouver

15x
Montreal

13x
Regina

12x
Winnipeg

11x
Halifax

11x
Ottawa

Source: Canadian Centre for Policy Alternatives
Proportion of population in low income in 2015 — Canada
Source: Statistics Canada, 2016 Census

14.2%
Proportion of population in low income in 2015 — Canada
Source: Statistics Canada, 2016 Census
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Proportion of persons younger than 18 in low income in 2015 — Canada
Source: Statistics Canada, 2016 Census
17%
Proportion of population in low income in 2015 — Canada
Source: Statistics Canada, 2016 Census
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Children represent almost one-quarter of low-income persons in Canada
Source: Statistics Canada, 2016 Census
1 in 4

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1 in 10 Canadians over the age of 15 years who have experienced hidden homelessness
Source: Statistics Canada, 2016 Census

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8.4% Household food insecurity in Canada, 2011-2012
Source: Statistics Canada, 2011-2012, CCHS

1 in 10 Household food insecurity in Canada, 2011-2012
Source: Statistics Canada, 2011-2012, CCHS
The Canadian Social Determinants of Health

WHAT MAKES CANADIANS SICK?

50% 
YOUR LIFE
- INCOME
- EARLY CHILDHOOD DEVELOPMENT
- DISABILITY
- EDUCATION
- SOCIAL EXCLUSION
- SOCIAL SAFETY NET
- GENDER
- EMPLOYMENT/WORKING CONDITIONS
- RACE
- ABORIGINAL STATUS
- SAFE AND NUTRITIOUS FOOD
- HOUSING/HOMELESSNESS
- COMMUNITY BELONGING

25% 
YOUR HEALTH CARE
- ACCESS TO HEALTH CARE
- HEALTH CARE SYSTEM
- WAIT TIMES

15% 
YOUR BIOLOGY
- BIOLOGY
- GENETICS

10% 
YOUR ENVIRONMENT
- AIR QUALITY
- CIVIC INFRASTRUCTURE

 THESE ARE CANADA’S SOCIAL DETERMINANTS OF HEALTH #SDOH

Source: Canadian Medical Association
Social determinants of health are the economic and social conditions that influence the health of individuals, communities, and jurisdictions as a whole.

Social determinants of health are about the quantity and quality of a variety of resources that a society makes available to its members.

SOCIAL DETERMINANTS DEFINE THE PREREQUISITES FOR HEALTH, SUCH AS SHELTER, FOOD, WARMTH, AND THE ABILITY TO PARTICIPATE IN SOCIETY;

SOCIAL DETERMINANTS CAN CAUSE STRESS AND ANXIETY WHICH CAN DAMAGE PEOPLE’S HEALTH;

SOCIAL DETERMINANTS CAN LIMIT PEOPLE’S CHOICES AND HINDER DESIRABLE CHANGES IN BEHAVIOUR.

HOW DO THE SOCIAL DETERMINANTS INFLUENCE HEALTH?

Source: Adapted from Benzeval, Judge, & Whitehead, 1995, p.xxi, Tackling Inequalities in Health: An Agenda for Action.
The cancer journey
Better cancer services every step of the way

Source: Cancer Care Ontario.
The cancer journey
Better cancer services every step of the way

Source: Cancer Care Ontario.
The Social Determinants of Health and the Breast Cancer Care Continuum

Value = Outcomes that matter to patients

Costs throughout the patient journey

WHAT MAKES CANADIAN'S SICK?

Source: Adapted from Canadian Medical Association infographic on What Makes Canadian’s Sick?
WHAT MAKES CANADIAN'S SICK?

WHAT MAKES CANADIAN'S SICK?

Value = Outcomes that matter to patients

Health outcomes that matter to citizens

Costs throughout the citizens life

Life

Biology

Environment

DRIVING VALUE THROUGH INVESTING IN THE SOCIAL DETERMINANTS OF HEALTH
LOOKING AHEAD
Role of the family physician

LOOKING AHEAD, AND LOOKING OUT
LOOKING AHEAD, AND LOOKING OUT
LOOKING AHEAD, AND LOOKING OUT

Role of the family physician

Lifestyle drift

Patient values as tokenism
LOOKING AHEAD, AND LOOKING OUT

Role of the family physician
Lifestyle drift
Patient values as tokenism
ROI: Return on investment
Thank you!
Questions?
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