

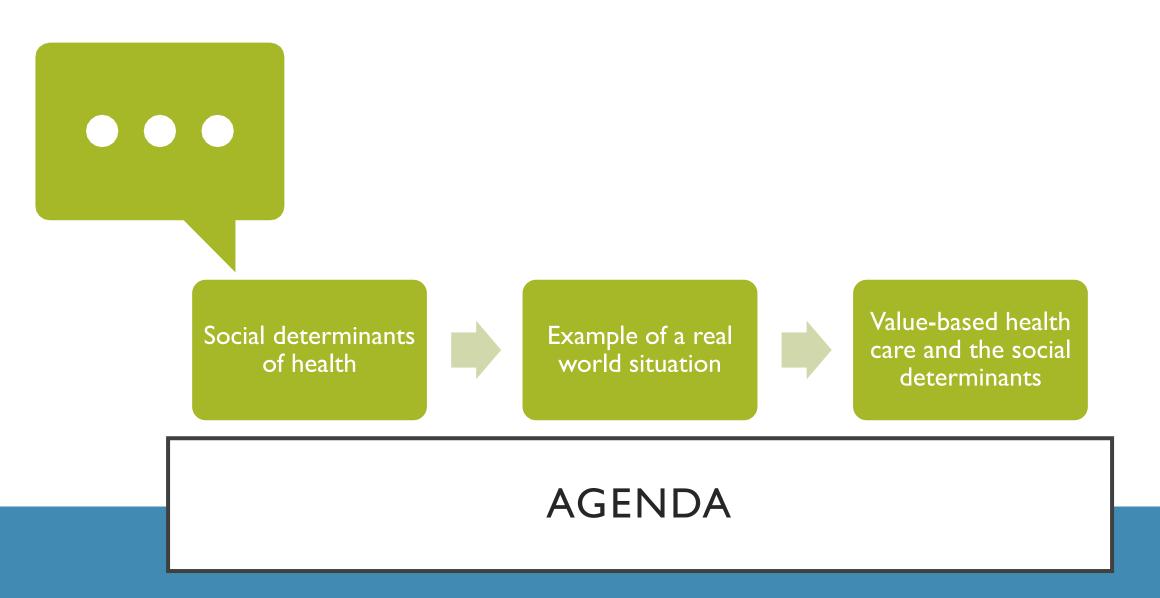
# WHAT ARE THE DETERMINANTS OF HEALTH? AND WHY DO THEY MATTER?

Dr. Ambreen Sayani

13<sup>th</sup> November, 2018

Drug Pricing Policy Summit 2018: Patients Redefining Health Care

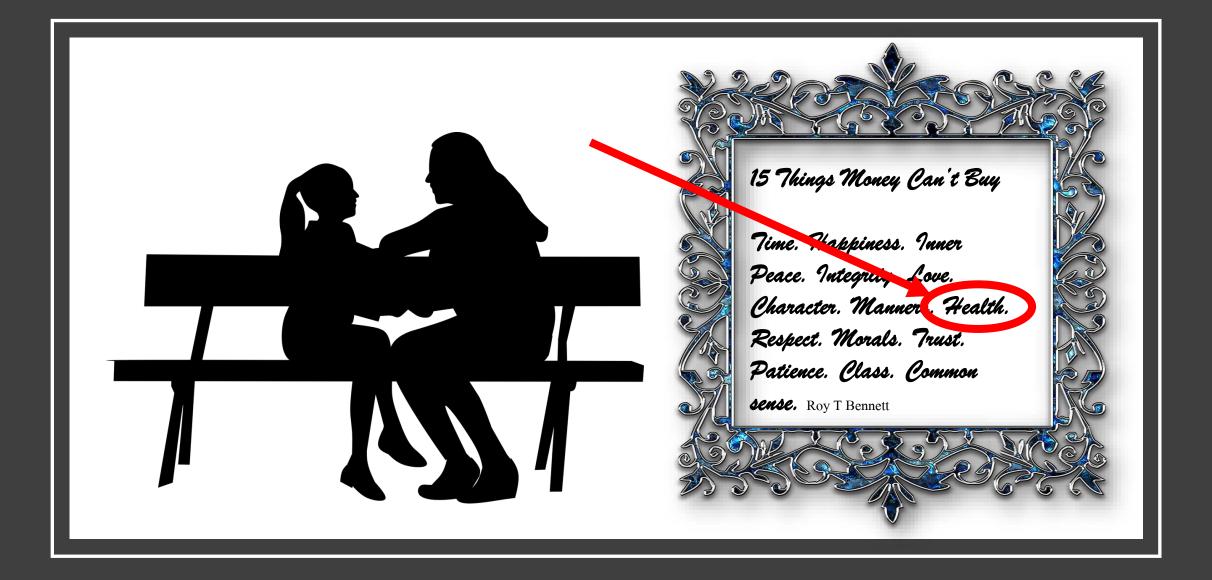
Toronto, Canada



What are the determinants of health? And why do they matter?

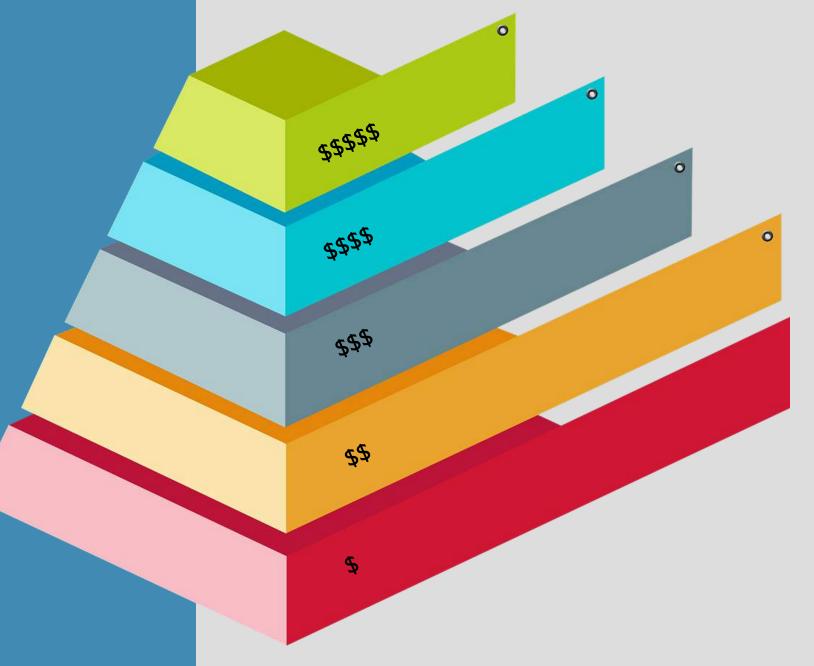




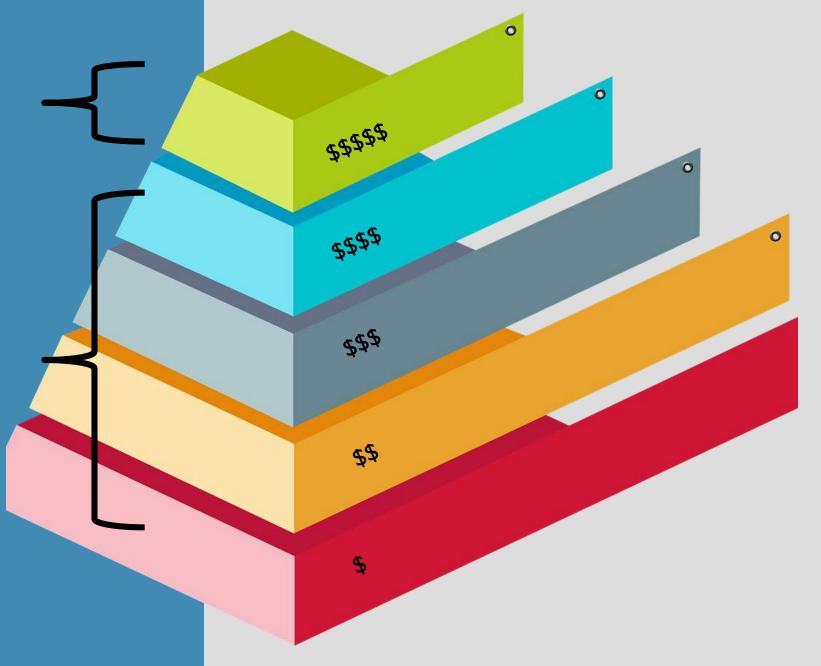


"Now here's a newsflash. Recent studies show that feelings of well-being rise with income."

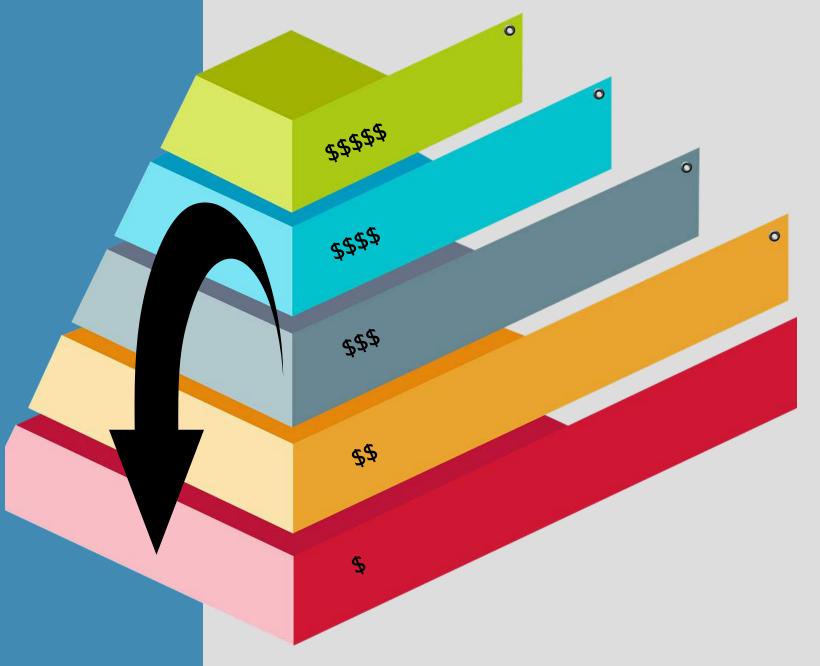
Canadians were divided into five quintiles of approximately equal numbers from poorest to wealthiest.



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

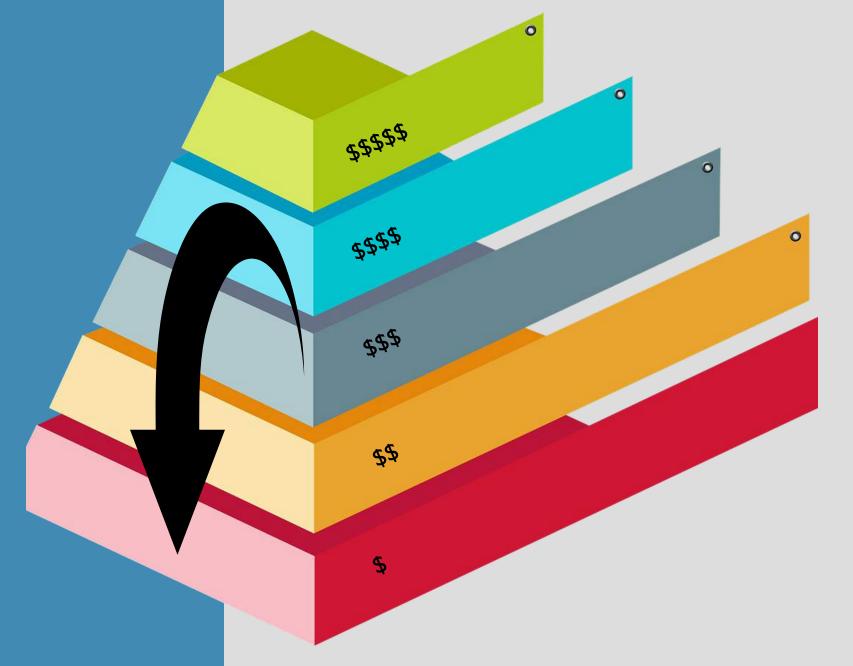


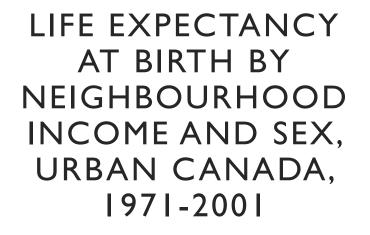
If all Canadians were as healthy as the top 20% of income earners, there would be approximately **40,000** fewer deaths each year, every year.

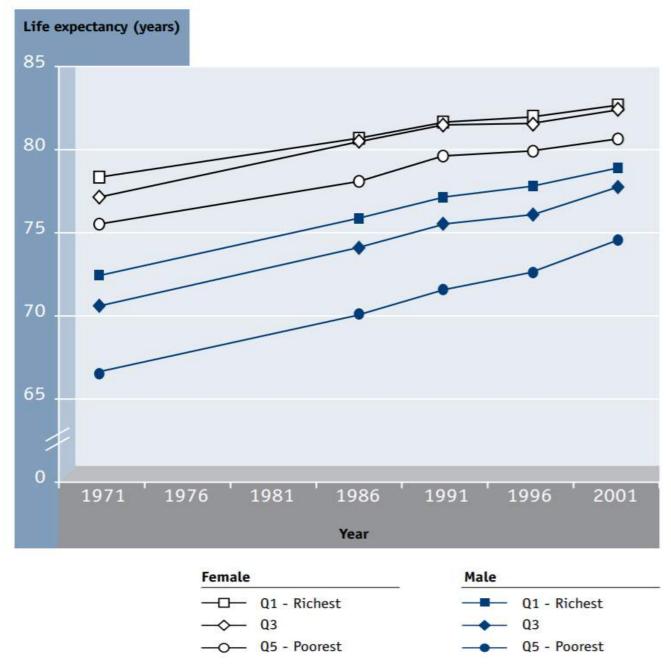


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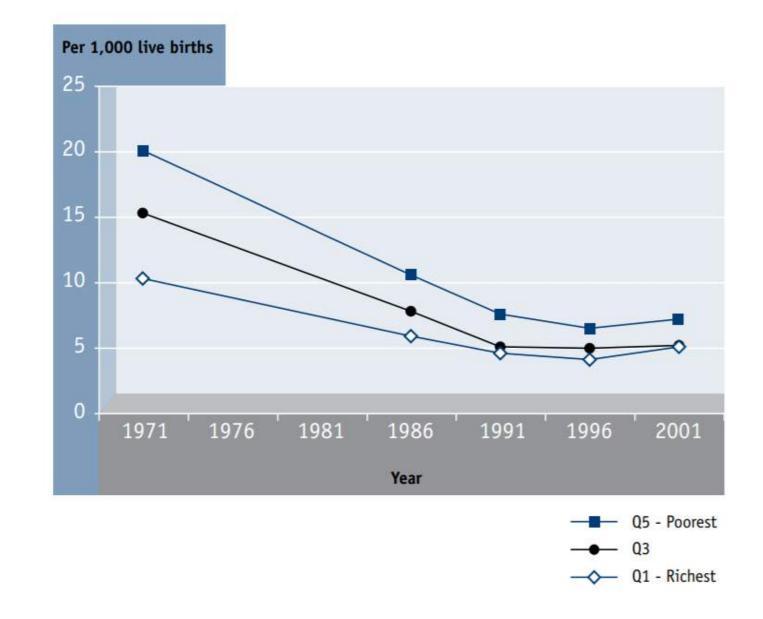
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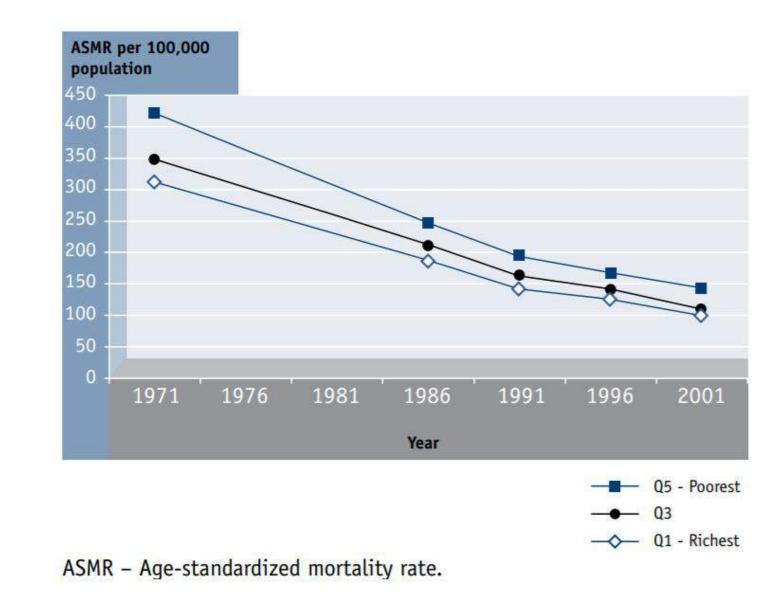




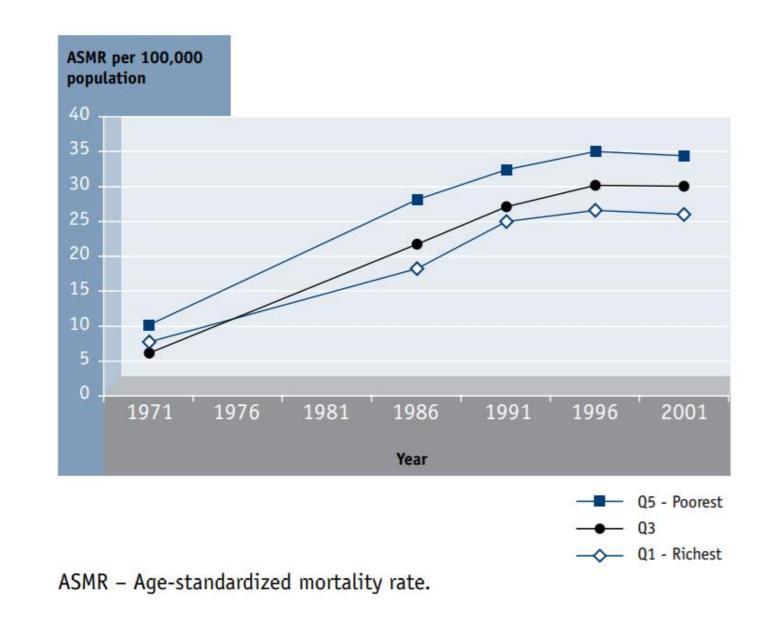
### INFANT MORTALITY RATE BY NEIGHBOURHOOD INCOME, URBAN CANADA, 1971-2001



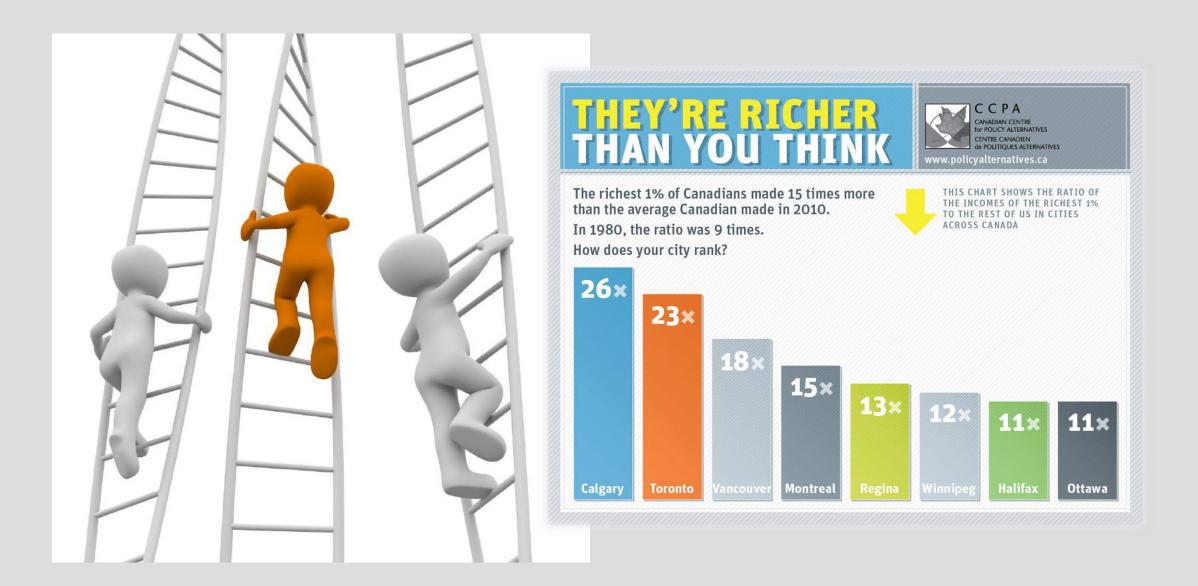
AGE-**STANDARDIZED** MORTALITY RATES FOR **ISCHEMIC HEART** DISEASE BY NEIGHBOURHOOD INCOME, MALE, URBAN CANADA, |97|-200|

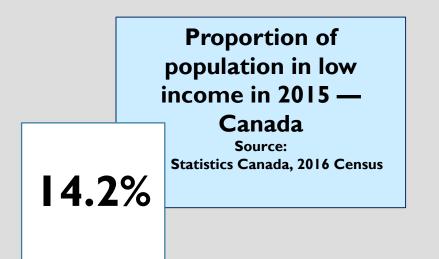


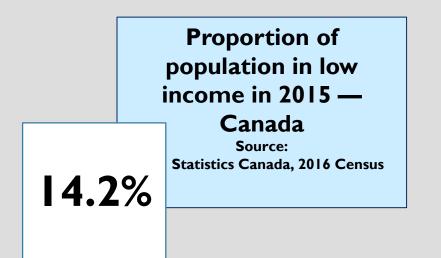
AGE-STANDARDIZED MORTALITY RATES FOR LUNG CANCER BY NEIGHBOURHOOD INCOME, FEMALE, URBAN CANADA, 1971-2001

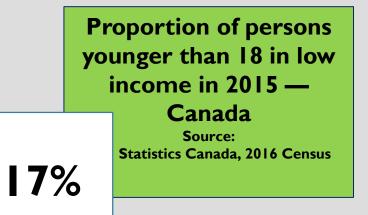


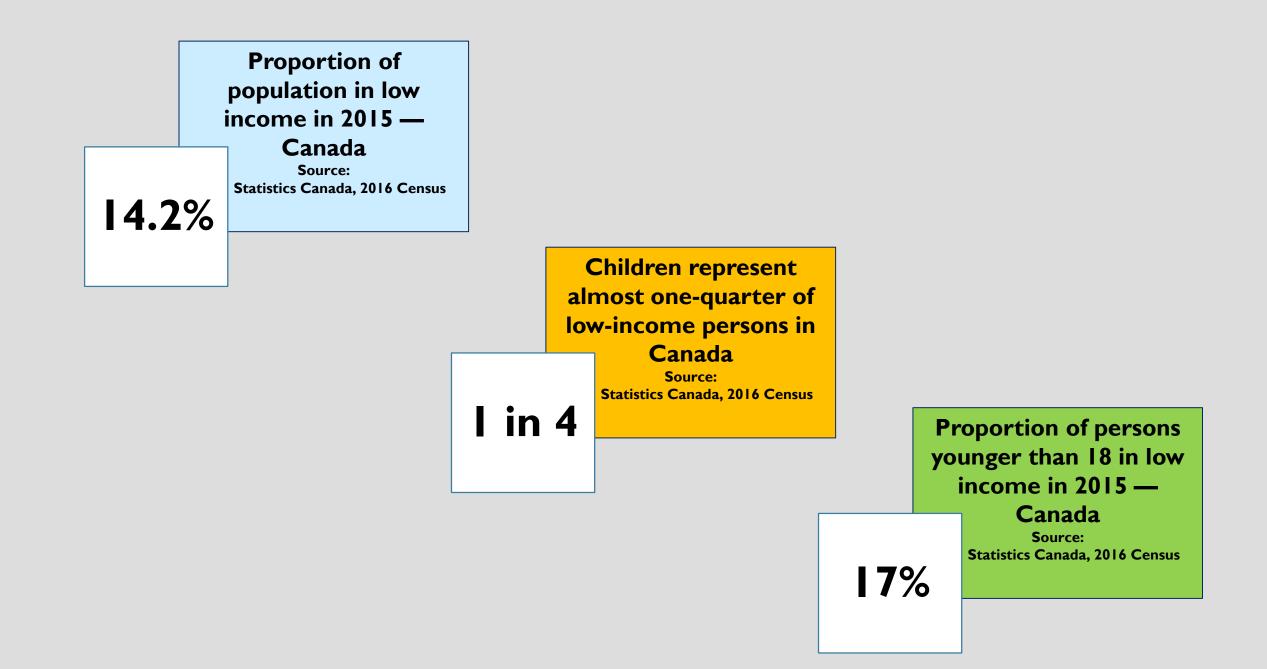


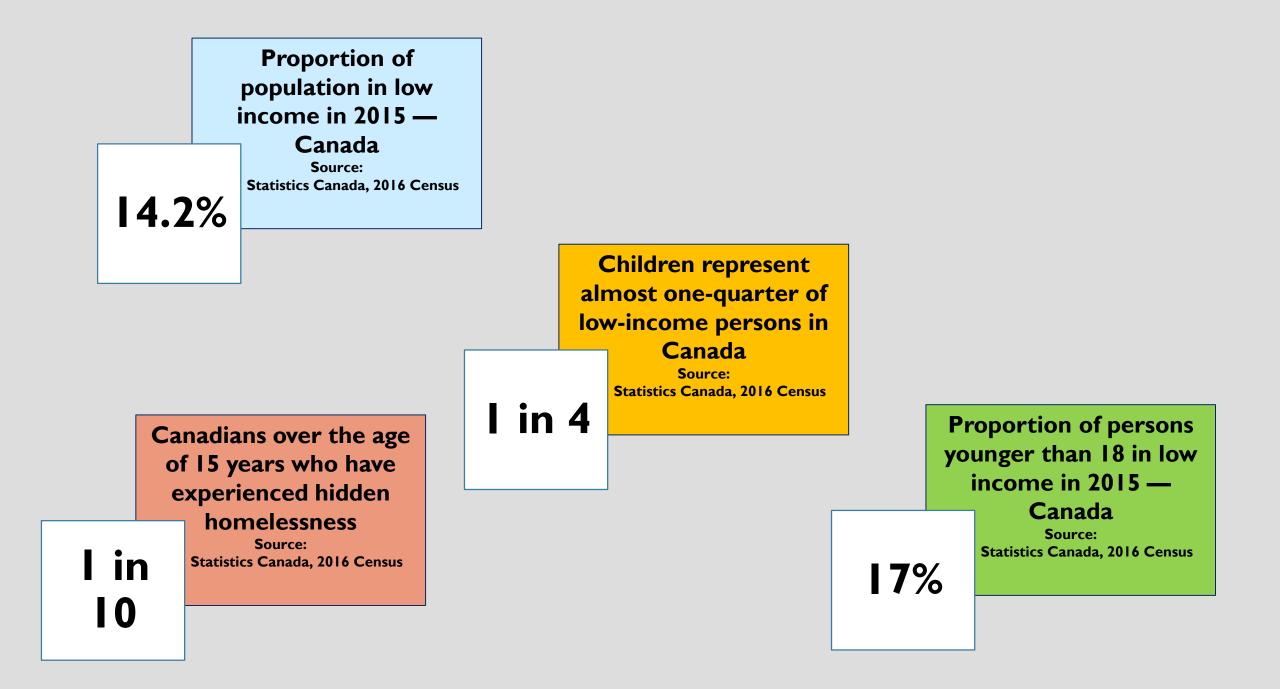


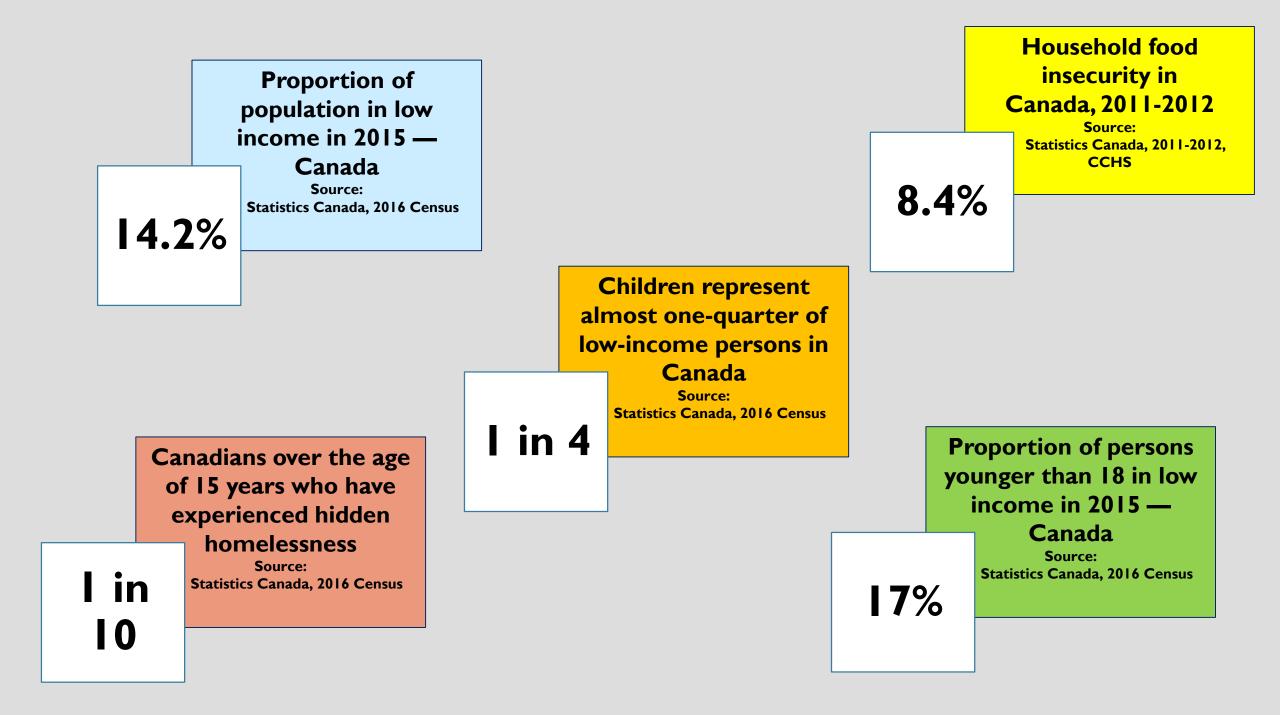












Aboriginal status	
Disability	
Early life	
Education	
Employment and working conditions	
Food security	
Health services	
Gender	Canada
Housing	
Income and income distribution	
Race	
Social exclusion	
Social safety net	
Unemployment	

# THE CANADIAN SOCIAL DETERMINANTS OF HEALTH

Source: Mikkonen, J. and Raphael, D. (2010). Social Determinants of Health: The Canadian Facts

	WHAT MAKES CANADIANS SICK?	ŤŔŤŔŤŔŤŔŤŔ ŤŔŤŔŤŔŤŔŤŔ
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	<b>ŤŤŤŤŤŤŤŤŤŤŤ</b> <b>ŤŤŤŤŤŤŤŤŤŤŤ</b> <b>ŤŤŤŤŤŤŤŤŤŤ</b>
25%	YOUR HEALTH CARE - ACCESS TO HEALTH CARE HEALTH CARE SYSTEM WAIT TIMES	<b>ŤŦŤŦŤŤŤŤŤŤ</b> <b>ŤŦŤŤŤŤŤŤŤŤ</b>
15%	YOUR BIOLOGY BIOLOGY GENETICS	
10%		<b>''' 'T' 'T' 'T' 'T' 'T' 'T' 'T' 'T</b> ' <b>'T</b> '
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.

# THE SOCIAL DETERMINANTS OF HEALTH

Source: Dahlgren, G., & Whitehead, M. (1991). Policies and strategies to promote social equity in health. Background document to WHO - Strategy paper for Europe



HOW DO THE SOCIAL DETERMINANTS INFLUENCE HEALTH?



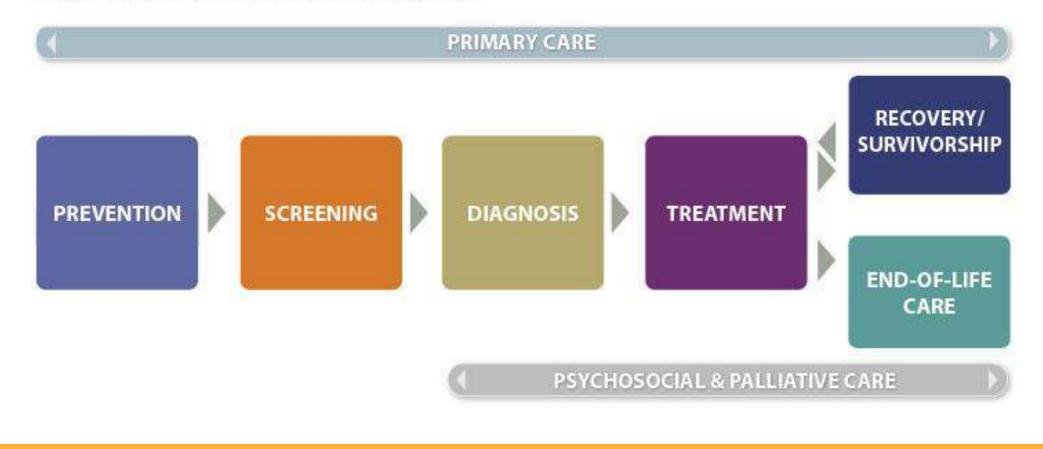


SOCIAL DETERMINANTS DEFINE THE PREREQUISITES FOR HEALTH, SUCH AS SHELTER, FOOD, WARMTH, AND THE ABILITY TO PARTICIPATE IN SOCIETY; SOCIAL DETERMINANTS CAN CAUSE STRESS AND ANXIETY WHICH CAN DAMAGE PEOPLE'S HEALTH; SOCIAL DETERMINANTS CAN LIMIT PEOPLES' CHOICES AND HINDER DESIRABLE CHANGES IN BEHAVIOUR.

Source: Adapted from Benzeval, Judge, & Whitehead, 1995, p.xxi, Tackling Inequalities in Health: An Agenda for Action.

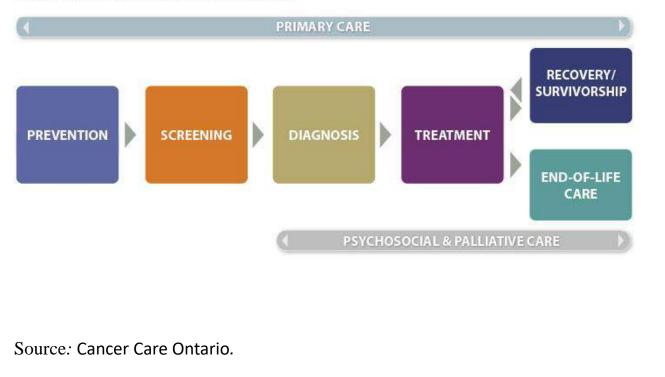
# The cancer journey

Better cancer services every step of the way



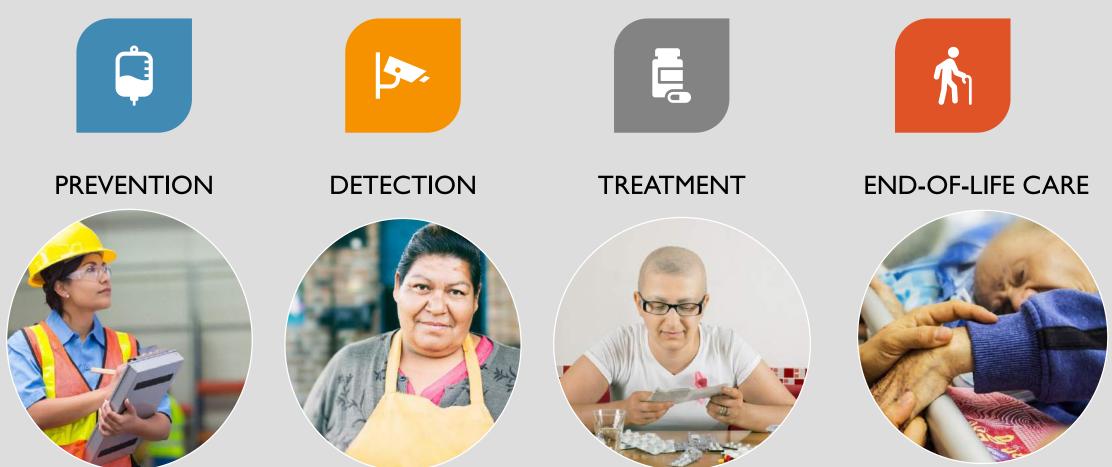
Source: Cancer Care Ontario.

# The cancer journey Better cancer services every step of the way





### THE SOCIAL DETERMINANTS OF HEALTH AND THE BREAST CANCER CARE CONTINUUM





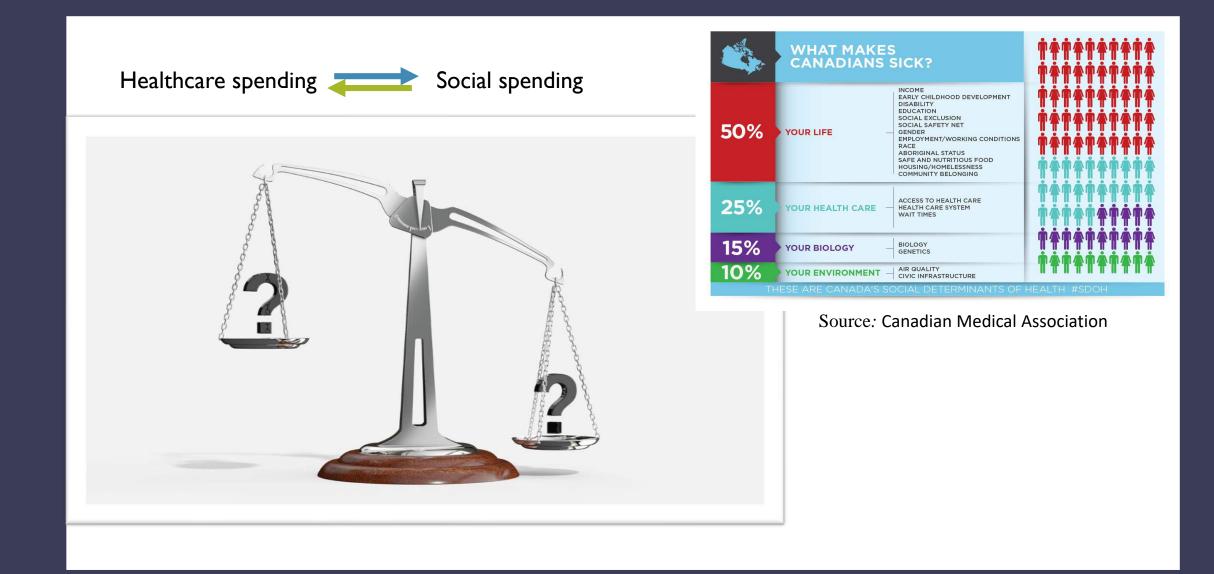


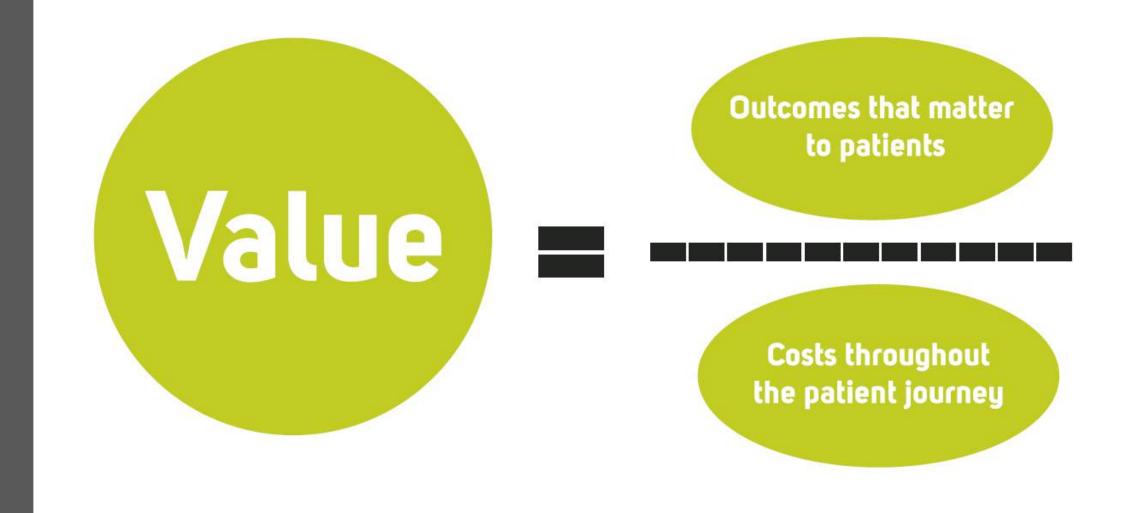






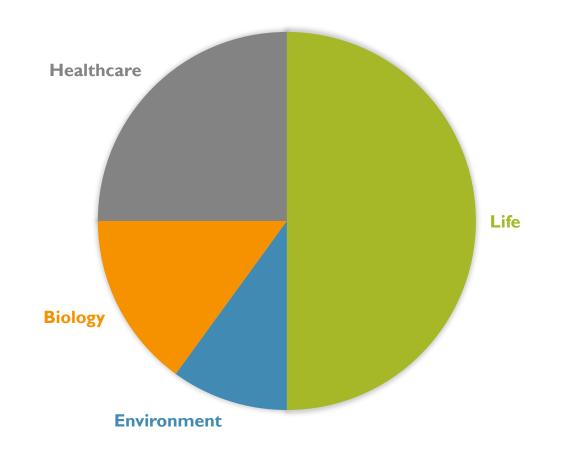






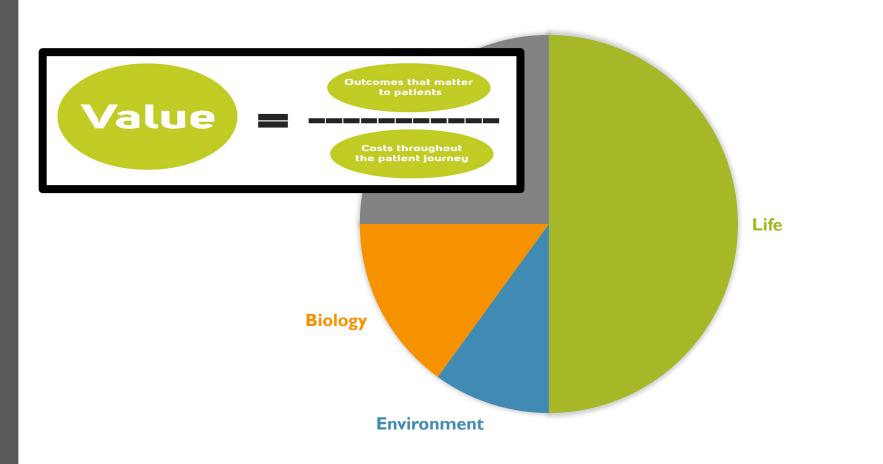
Source: Porter, M. E. (2010). What Is Value in Health Care? *New England Journal of Medicine*, *363*(26), 2477–2481. In Canadian Foundation for Healthcare Improvement. (2018, August). Aligning Outcomes and Spending: Canadian Experiences with Value-Based Health.

#### WHAT MAKES CANADIAN'S SICK?



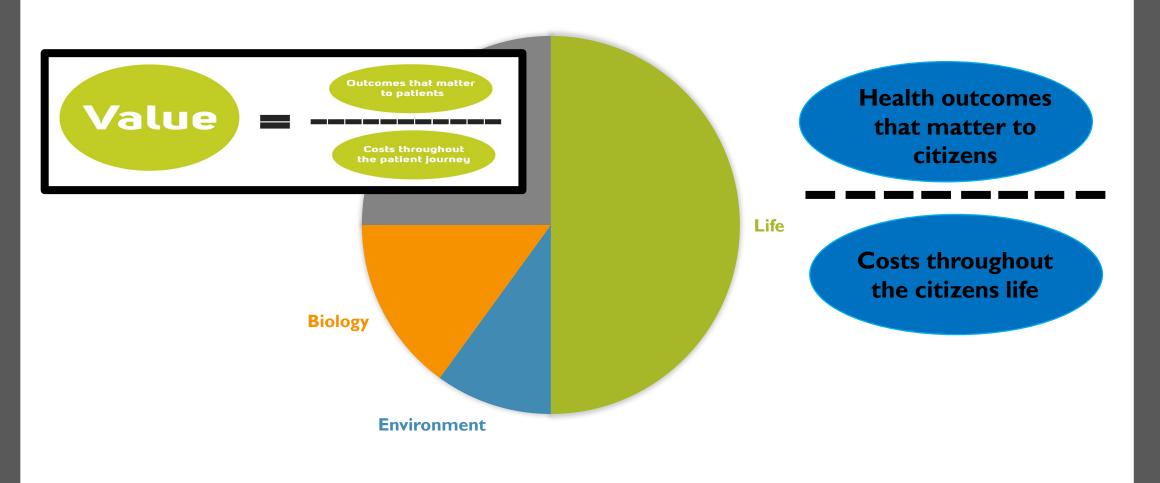
Source: Adapted from Canadian Medical Association infographic on What Makes Canadian's Sick?

#### WHAT MAKES CANADIAN'S SICK?

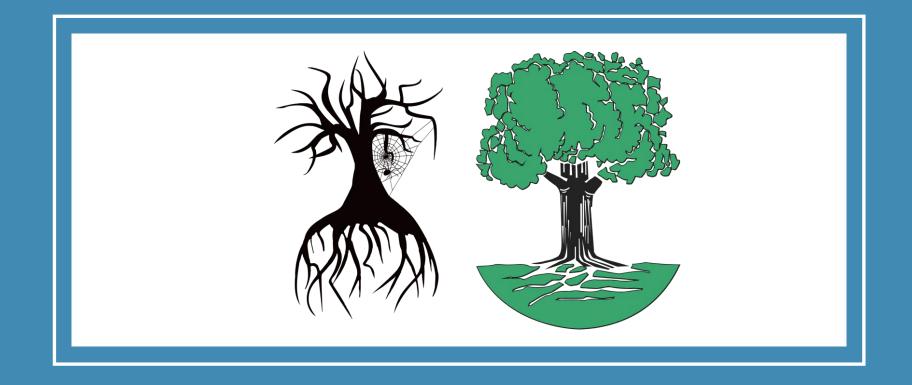


Source: (i) *Adapted from* Canadian Medical Association infographic on What Makes Canadian's Sick? (ii) Porter, M. E. (2010). What Is Value in Health Care? *New England Journal of Medicine*, *363*(26), 2477–2481. In Canadian Foundation for Healthcare Improvement. (2018, August). Aligning Outcomes and Spending: Canadian Experiences with Value-Based Health.

#### WHAT MAKES CANADIAN'S SICK?



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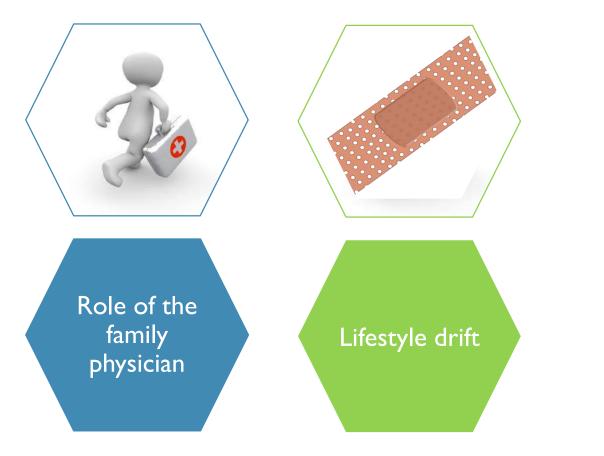


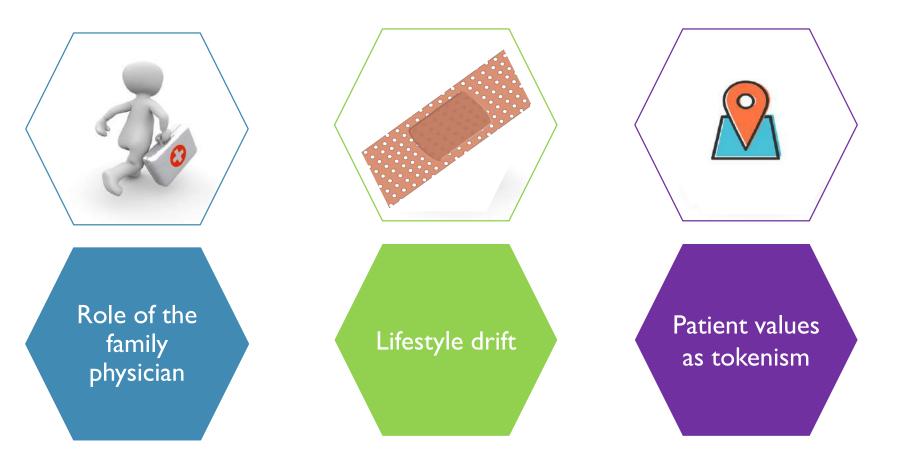
# DRIVING VALUE THROUGH INVESTING IN THE SOCIAL DETERMINANTS OF HEALTH

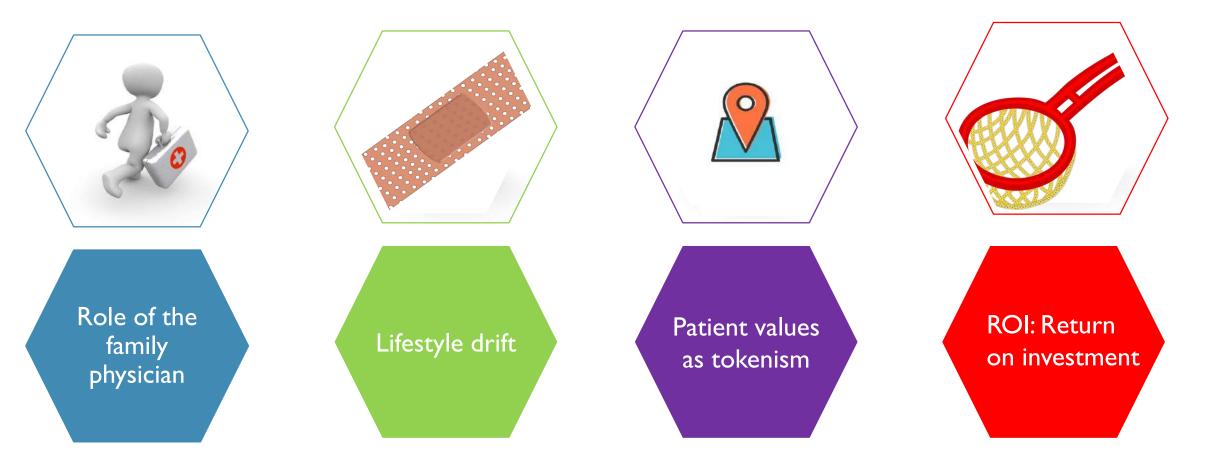
# LOOKING AHEAD



Role of the family physician









Thank you! Questions? Email: asayani I @yorku.ca