



Use of Area-based Socio-economic Measures (ABSMs) in a Person-based Population Grouping Methodology

Agenda

- Case Mix Overview
- Population Grouping Methodology Illustration
- Social Economic Status Measures used in Population Grouping Methodology

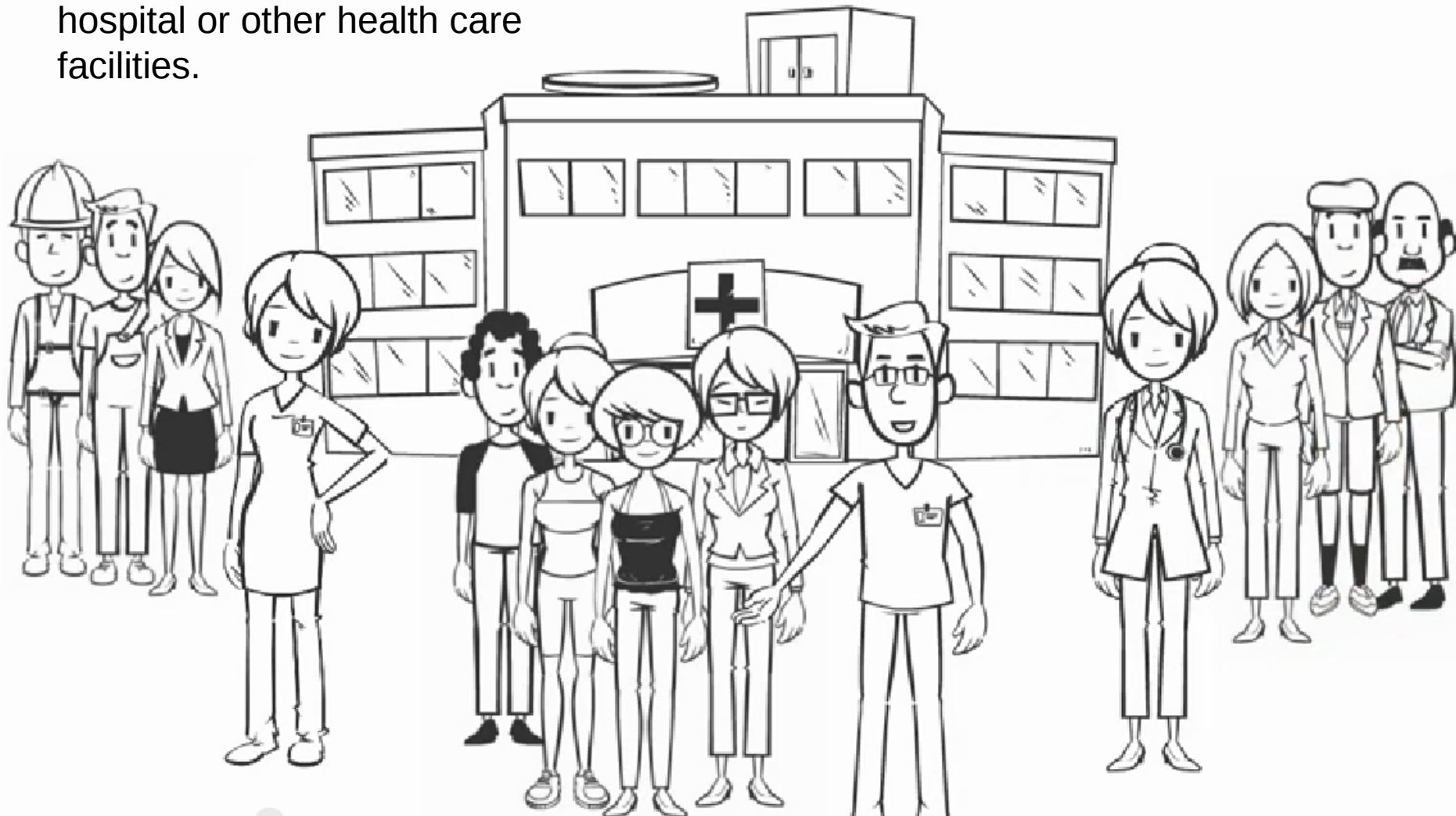
Sparkling Population Health Solutions Summit, Ottawa

Helen Wei-Randall

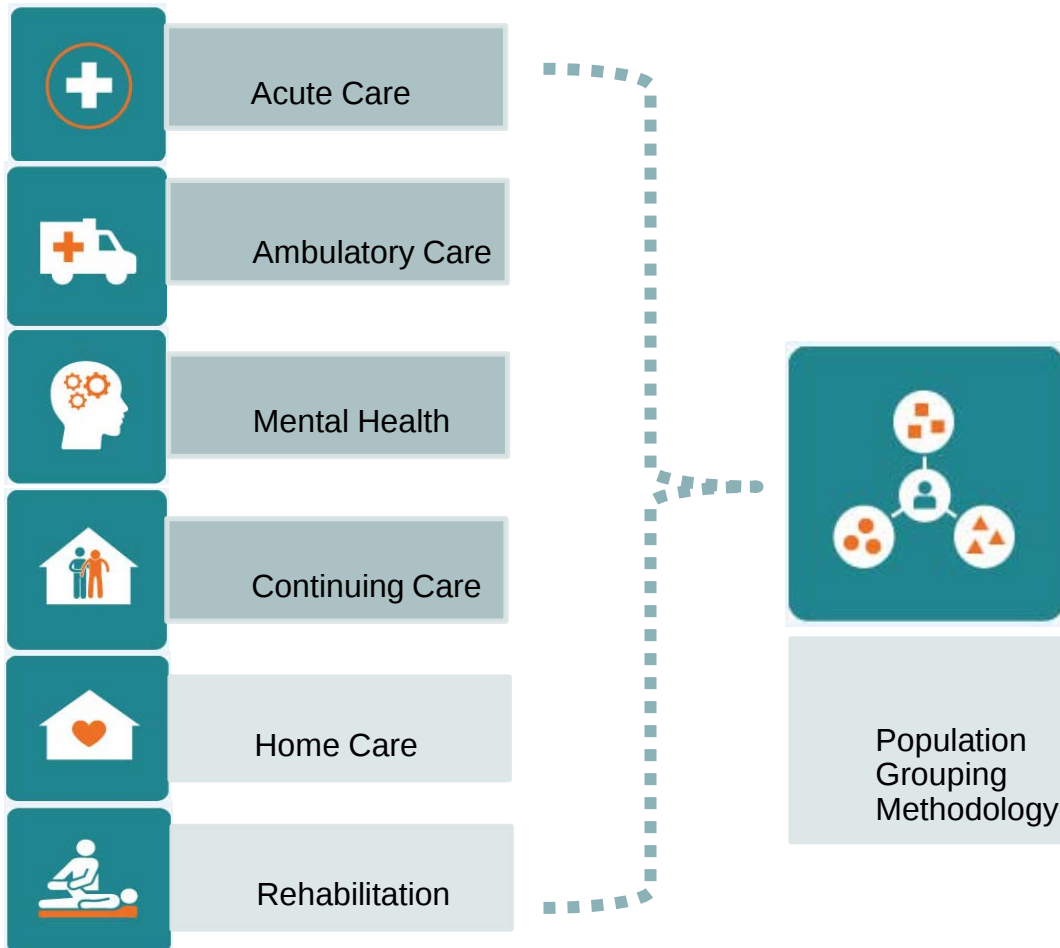
April 27 , 2016

What is Case Mix?

The mix of patients treated by a hospital or other health care facilities.



Case Mix at Canadian Institute for Health Information (CIHI)



Population Grouping Methodology vs. Other CIHI Case Mix Product

Similarity

- Clinical classification
- Predictive indicators

Differences

- Does not focus on any one sector
- Target population includes all persons registered for publicly-funded health care
- Looks at person over a 2-year time period

Relevance for Health Care in Canada

CIHI's population grouping methodology will

Help CIHI and its clients monitor population health and diseases

Allow meaningful comparisons across jurisdictions

Predict health care utilization patterns and explain variations in health care resource use

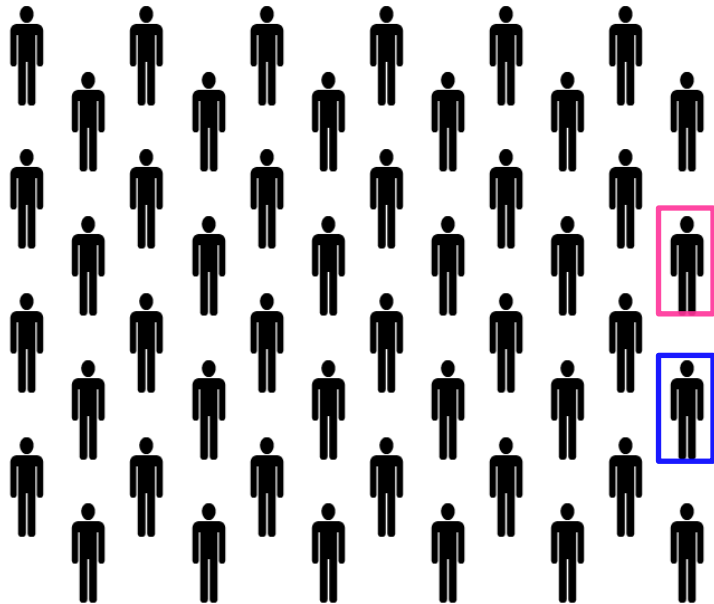
Facilitate standardization of populations for inter-jurisdictional analysis

Identify high cost users

Provide a foundation for funding models

Population Grouping Methodology - Methodology Illustration

Health Region A
(Population: 190,000)

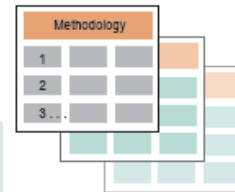
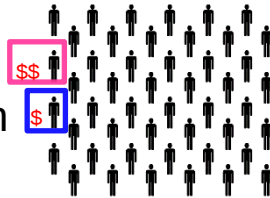


- Clinical data
- Hospital
 - Long-term care
 - Physician billing

- Demographic data
- Date of Birth
 - Gender
 - Postal Code



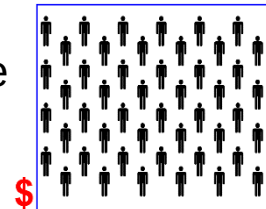
How much will **someone** with this profile cost the health system next year?



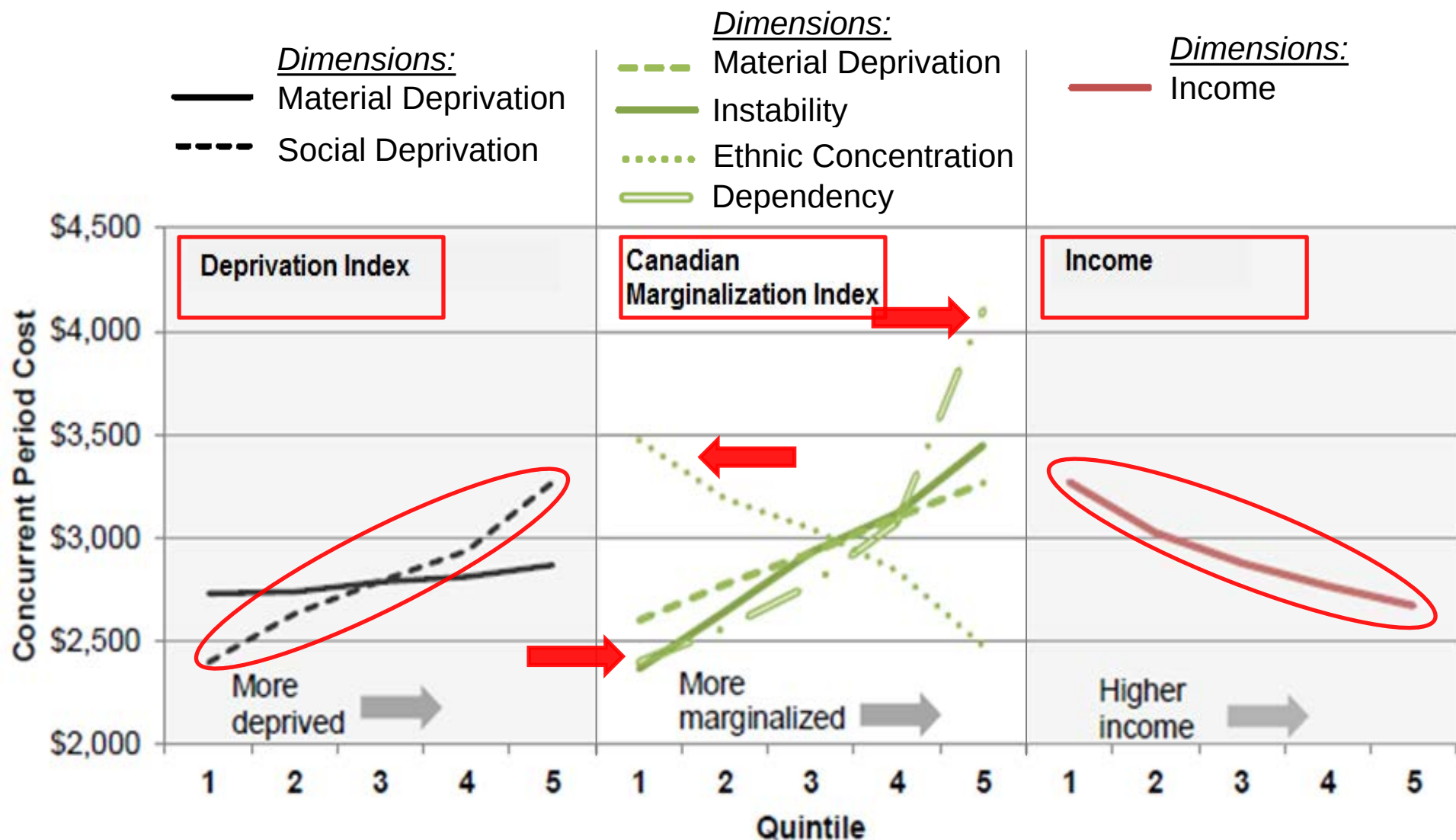
Predictive Indicators



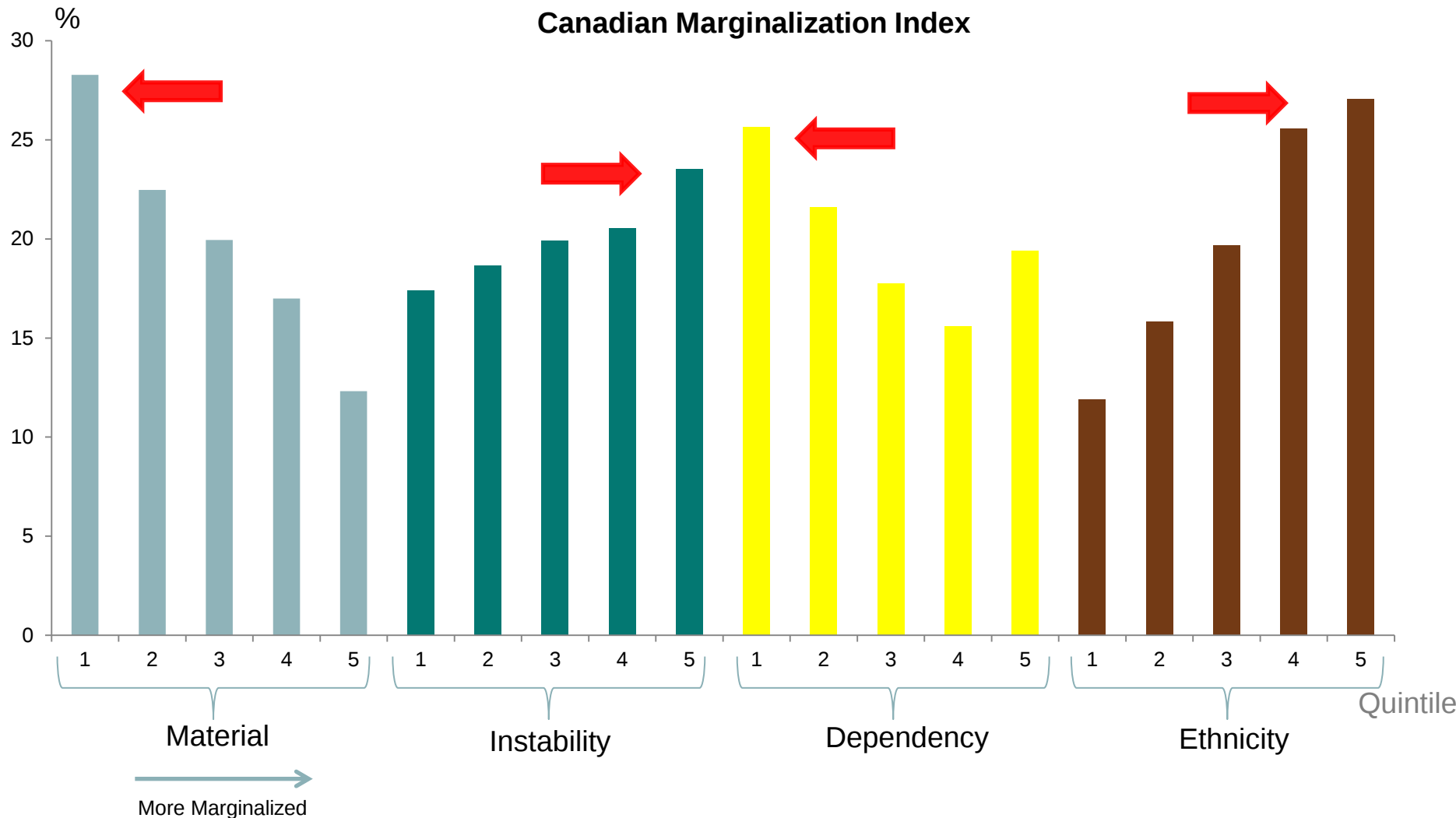
How much will this **population** cost the health system next year?



Average Per-Person Cost During 2010/11 and 2011/12, by SES Quintiles



Population with Depression, by SES Quintiles



Note: The foundation data for the study is composed of 3 consecutive years of Ontario, Alberta, and British Columbia data, starting with 2010-2011.

Take Away and Next Steps

- Use the POP Grouper methodology, we can now estimate the cost impact for a population in general or a population with a particular disease when individuals' SES status change.

Next Steps:

- The first official release of the methodology in fall 2016
- Future indicators
 - Healthcare cost for individual sectors
 - Number of contacts with the healthcare system
 - Likelihood of hospital admission, long term care admission, death, etc.
- Case Mix and POP Grouper videos: visit CIHI YouTube channel



Thank you!

Questions?

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