

# OVERVIEW OF EARLY OPPORTUNITIES INDEX (EOI) AND ONTARIO MARGINALIZATION INDEX (ON-MARG)

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Early Years Data Group

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# ***Objectives***

- To provide an overview of Early Opportunity Index (EOI)
- To provide an overview of the Ontario Marginalization Index (ON-Marg)
- The overall purpose is for the Early Years Data Group to explore existing socio-economic indices available at 'community' level to determine whether this can be used in conjunction with EDI data.

# EDUCATIONAL OPPORTUNITY INDEX (EOI)

- index for all publically funded elementary and secondary schools calculated by the Ministry of Education every year based on Census data:
  - *lone parent families*
  - *parental education (% with high school diploma only)*
  - *family income (% below Low Income Measure After Tax)*
  - *no 'earned' income*
- *and OnSIS administrative data:*
  - *very recent immigrants (past five years)*

# EOI GEOGRAPHIES AND ANALYSIS

- The geographic unit of analysis is the school
- The data is based on the postal codes of all students attending the school (weighted by enrolment) NOT the physical location of the school itself.
- Each school is assigned an EOI index score, with higher values representing more risk (i.e. less educational opportunities).
- There currently isn't a standard way to classify schools into different level of risks based on the index scores; however, quintiles could be used as they are for LIM-AT and ON-Marg.

# EOI APPLICATIONS

- Applications at Simcoe Muskoka District Health Unit:
  - SMDHU Healthy Schools Team uses these data in their priority assessment if there are competing priority project requests from different schools (i.e. a higher EOI score = less 'educational opportunities' = higher priority)
- Potential challenges/opportunities for EYDG:
  - (-) Sharing: *“data are provided for your own internal usage and not for reporting. We do provide data to school boards and schools can reach out to their school board if they have any further questions”* - Request for Information Support Ministry of Education
  - (+) Geographic comparability with EDI: unit of analysis is school catchment which is directly comparable with EDI.

# ONTARIO MARGINALIZATION INDEX (ON-MARG)

- A series of four indices calculated by Public Health Ontario and St. Michael's hospital that combine Census\* indicators into dimensions of marginalization:
  - **Residential instability:** concentrations of people who experience high rates of family or housing instability
  - **Material deprivation:** closely connected to poverty and it refers to inability for individuals and communities to access and attain basic material needs
  - **Dependency:** concentrations of people who don't have income from employment. It includes seniors, children and adults whose work is not compensated.
  - **Ethnic concentration:** concentrations of recent immigrants & people belonging to a 'visible minority' group

\* Except for 2011 when the federal government replaced the mandatory long-form census with a voluntary National Household Survey (NHS). Alternative source for the 2011 On-Marg were found. See [2011 ON-Marg technical document](#) for details.

From [2016 On-Marg User Guide](#):

# ON-MARG INDICATORS

- **Residential instability:** % living alone, % non-youth population, average number of persons per dwelling, % single/divorced/widowed, % multi-unit dwellings, % dwellings not owned, % residential mobility.
- **Material deprivation:** % lone-parent families, % 25+ years with-out degree/diploma, % unemployed 15% years, % in low-income (LIM-AT), % of houses in fair or poor conditions.
- **Dependency:** % seniors 65+ years, dependency ratio (total population 0-14 and 65+ / total population 15 to 64), employment rate (i.e. wages from employment).
- **Ethnic concentration:** % recent immigrants (<5 years) and % visible minority.

From [2016 On-Marg User Guide](#)

# ON-MARG GEOGRAPHIES AND ANALYSIS

- ON-Marg are available for these geographies\*
  - dissemination areas
  - census tracts
  - aggregate dissemination areas (2016 only)
  - census divisions
  - census subdivisions
  - Local Health Integration Networks (LHIN)
  - LHIN sub-regions
  - public health units
  - consolidated municipal service manager areas
- Quintiles are calculated with Q1 = areas with the least marginalization and Q5 = areas with the most marginalization

\* Quintile values are not provided for LHINs, public health units, census divisions and consolidated municipal service manager areas because there are too few geographic units to create meaningful quintiles.

From: [2016 On-Marg User Guide](#):



# ON-MARG PRODUCTS

- Public Health Ontario [Social Determinants of Health map](#)
  - Has all four dimensions mapped by DA for all of Ontario
  - Other indicators from Taxfiler data also available
  - Boundaries available for overlay: public health unit, LHIN
- [Ontario Community Health Profiles Partnership Maps](#) (Toronto area only)

# ON-MARG APPLICATIONS

- Applications at Simcoe Muskoka District Health Unit:
  - Not widely used at SMDHU.
  - Quintiles of low income prevalence (% of population below LIM-AT) are most often used to stratify health outcomes by social determinants of health at neighbourhood level.
- Potential challenges/opportunities for EYDG:
  - (-) Geographic Assignment Different than EDI: geographic assignment is based on residence, not school attendance.
  - (+) Availability: Data available online and interactive products established.

# SIMCOE MUSKOKA DISTRICT HEALTH UNIT MAPS

## ■ SMDHU HealthSTATS Website

- *Topics > Pregnancy and Before, Child Health*
- *Topics > Mental Health, Tobacco Use, Leading causes + many more are analysed by age group*
- *Reports > Focus reports (2018 was Youth Health)*
- *Maps > **HealthMAPS Dashboards***

# HealthMAPS



**DASHBOARDS**

A collection of interactive map-based dashboards showing both geographic and time-based trends for key markers of public health including demographics, health status and risk behaviours by three levels of local geography.

[Link](#)



**STORY MAP**

Simcoe Muskoka:  
A Changing Climate

This story map provides an overview of information from the Simcoe Muskoka [Climate Change Vulnerability Assessment](#).

To find out more about SMDHU's Climate Change activities, please visit the Climate Change section of our [website](#).



**STORY MAP**

Interactive  
Low-Income Map

This interactive map uses data from the 2016 Census to explore low income across Simcoe Muskoka and within our communities.

[Link](#)

# HOW IS HEALTHMAPS ORGANIZED?

- HealthMAPS is organized into five topic-based dashboards:
  - [Population and Demographics](#)
  - [Chronic Diseases](#)
  - [Health Status and Behaviours](#)
  - [Substance Use and Injuries](#)
  - [Mental Health](#)
- Dashboards will be expanded and updated as new data is available
- New dashboards will be developed to cover additional topics of public health importance

# RISK OF STIGMATIZATION

- Key Mitigation Strategies:
  - Balance negative reporting with positive reporting
  - Disclaimer to not make assumptions about individuals
  - Careful attention to language to avoid placing blame
  - Involve community residents to provide context
  - Connect community with local supports during knowledge exchange
  - Include written interpretation to guide understanding