Investigators:
Michael Hayes, Suzana Dragicevic, Nadine Schuurman, Daniel Cohn, Charmaine Dean, Michael Howlett

Project Manager: Darrin Grund

Institute For Health Research and Education (IHRE)
C PHI – Urban Structure Research Project
Simon Fraser University, 8888 University Drive Room 2812
West Mall Centre
Burnaby, BC, V5A 1S6
Phone: (604) 291 - 4821 Fax: (604) 291 - 5927
Email: urbans@sfu.ca
Population health draws attention to the profound influence social relations have in shaping health experiences and producing systematic inequalities (social gradients) in health status.

Central to our CPHI Research Program is the creation of an integrated data base for the CMA, combining information from the census with data sources from health regions, municipalities, housing assessment, vital statistics, police departments, and miscellaneous data sets available throughout the region, as well as with the BC linked data base at intra-regional scales.
OBJECTIVES

To better understand:

• social geographies of health
• spatial distribution of health inequalities
• localized policy impacts within the CMA

Apply Federation of Canadian Municipalities (FCM) indicators to analyze

Explore theoretical and practical questions relating to data integration and spatial analysis
OBJECTIVES

- Apply FCM indicators to analyze intra-urban variation in quality of life
- Explore theoretical and practical questions relating to data integration and spatial analysis
- Analyze the distribution of health status at the intra-regional level in the Vancouver CMA
- Develop neighbourhood profiles for several areas
RESEARCH QUESTIONS

1) What is the relative distribution of health status at the intra-regional level in the Vancouver CMA? What is the magnitude of health inequality within the CMA? To what degree do RI indicators vary between intra-regional units of analysis?
2) To what extent do FCM quality of life indicators vary between intra-regional units within the CMA? How are variations in FCM indicators related to health status?
3) What are the discernable differences in the quality of daily life between places that seem most to contribute to observed spatial differences in health status and use of health services?
RESEARCH QUESTIONS

4) Which decision rules work best in integrating data registered to different boundaries and collected at different geographic scales? How does scale of analysis influence estimates of the distribution of health status?
RESEARCH QUESTIONS

5) What are the redistributive effects of selected public policies at the census tract/neighbourhood area level? How do these relate to health inequalities? Can the involvement of local decision makers in multi-criteria analyses concerning the distribution of health status influence policy outcomes?
Health Authorities

Vancouver Coastal Health Authority

Fraser Health Authority

Vancouver CMA Boundary
## Population by Municipality
### Census 2001

<table>
<thead>
<tr>
<th>Municipality</th>
<th>Population</th>
<th>Municipality</th>
<th>Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vancouver</td>
<td>546,976.00</td>
<td>North Vancouver City</td>
<td>44,642.00</td>
</tr>
<tr>
<td>Surrey</td>
<td>347,956.00</td>
<td>West Vancouver</td>
<td>43,651.00</td>
</tr>
<tr>
<td>Burnaby</td>
<td>193,954.00</td>
<td>Port Moody</td>
<td>23,816.00</td>
</tr>
<tr>
<td>Richmond</td>
<td>164,345.00</td>
<td>Langley City</td>
<td>22,643.00</td>
</tr>
<tr>
<td>Coquitlam</td>
<td>112,905.00</td>
<td>White Rock</td>
<td>18,250.00</td>
</tr>
<tr>
<td>Delta</td>
<td>97,429.00</td>
<td>Pitt Meadows</td>
<td>14,670.00</td>
</tr>
<tr>
<td>Langley Township</td>
<td>87,627.00</td>
<td>Greater Vancouver A</td>
<td>8,350.00</td>
</tr>
<tr>
<td>North Vancouver District</td>
<td>83,567.00</td>
<td>Bowen Island</td>
<td>2,957.00</td>
</tr>
<tr>
<td>Maple Ridge</td>
<td>63,174.00</td>
<td>Lions Bay</td>
<td>1,379.00</td>
</tr>
<tr>
<td>New Westminster</td>
<td>54,656.00</td>
<td>Anmore</td>
<td>1,344.00</td>
</tr>
<tr>
<td>Port Coquitlam</td>
<td>51,262.00</td>
<td>Belcarra</td>
<td>682.00</td>
</tr>
</tbody>
</table>

**Total Population: 2,000,000**