Guided Tour

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A partnership designed to facilitate access to information for health planning with the overall goal of producing action to reduce health inequalities.

A Tale of Two City - Neighbourhoods

- Agincourt

- Humber-Downsview

Minor Health Planning Areas

2a   Humber-Downsview   5a   Agincourt

Socio-demographics

	Toronto	Agincourt	Humber-Downsview
% Recent immigrants-within 10 years	21.0	32.1	27.1
% Families-Incidence of low income	19.4	20.8	27.1
% Less than high school education	28.4	32.0	38.9

☐ Immigrant neighbourhoods, H-D has higher low income and lower educational attainment

Immigrants 1991-2001 in Toronto Neighbourhoods, 2001
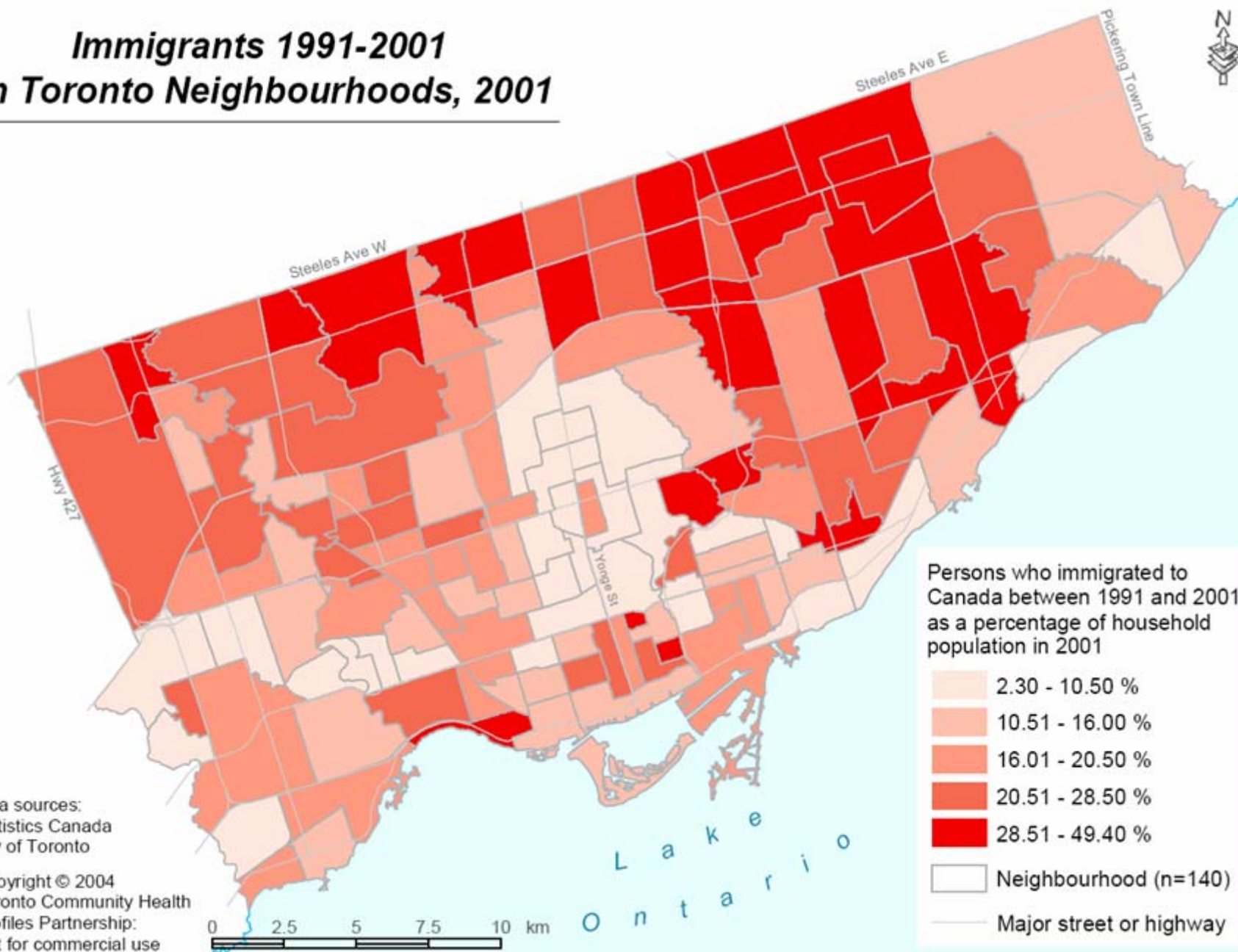
Persons who immigrated to Canada between 1991 and 2001 as a percentage of household population in 2001

2.30 - 10.50 %
10.51 - 16.00 %
16.01 - 20.50 %
20.51 - 28.50 %
28.51 - 49.40 %

Neighbourhood (n=140)
Major street or highway

Data sources:
Statistics Canada
City of Toronto

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Low Income Families
in Toronto Neighbourhoods, 2001

Number of families under
Low Income Cut-Off (LICO)
as a percentage of all
economic families in 2001

2.90- 11.00 %

11.01 - 16.00 %

16.01 - 20.50 %

20.51 - 25.50 %
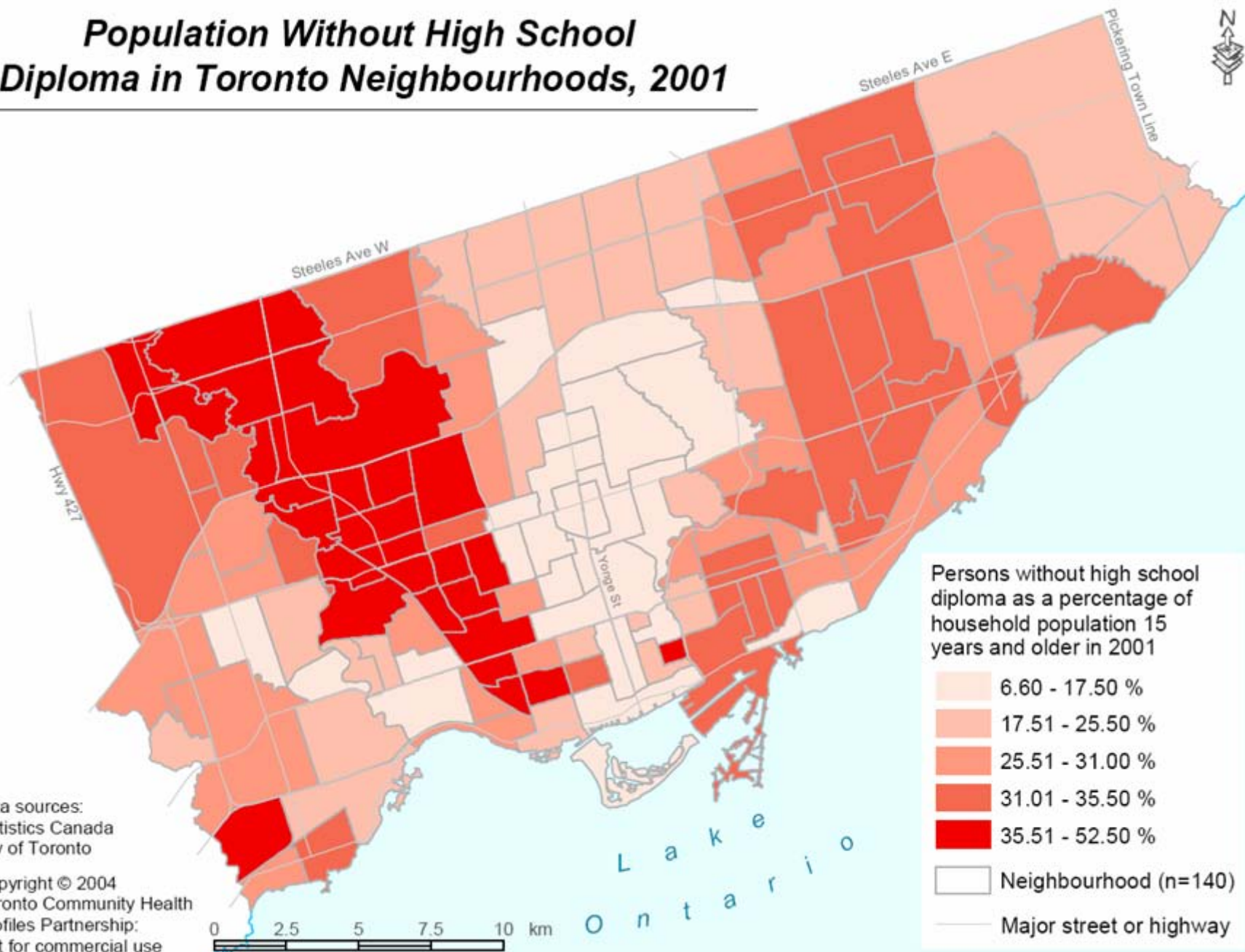
25.51 - 67.80 %

Neighbourhood (n=140)

Major street or highway

Data sources:
Statistics Canada
City of Toronto

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0   2.5   5   7.5   10 km
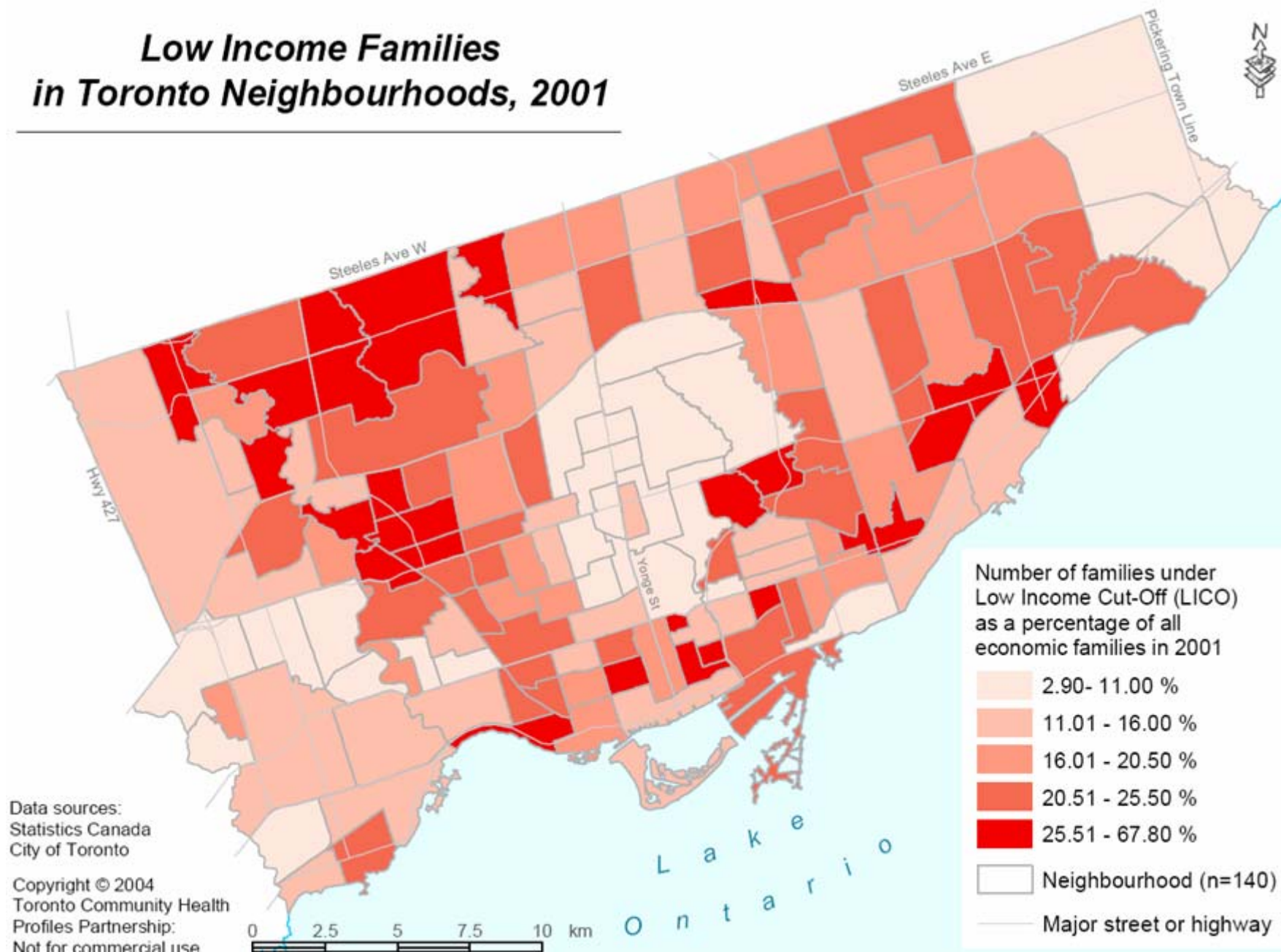
Population Without High School Diploma in Toronto Neighbourhoods, 2001

Steeles Ave E

Pickering Town Line

N

Steeles Ave W

Hwy 427

Yonge St

Persons without high school diploma as a percentage of household population 15 years and older in 2001

- 6.60 - 17.50 %
- 17.51 - 25.50 %
- 25.51 - 31.00 %
- 31.01 - 35.50 %
- 35.51 - 52.50 %

Neighbourhood (n=140)

Major street or highway

Lake Ontario

0   2.5   5   7.5   10 km

Healthy Living

	Toronto	Agincourt	Humber-Downsview
Current daily or occasional smoker	21.6	8.3* (3.0-13.6)	22.8 (16.7-28.9)
Never 5 or more drinks on one occasion	67.2	84.6 (76.6-92.6)	70.3 (61.2-79.4)

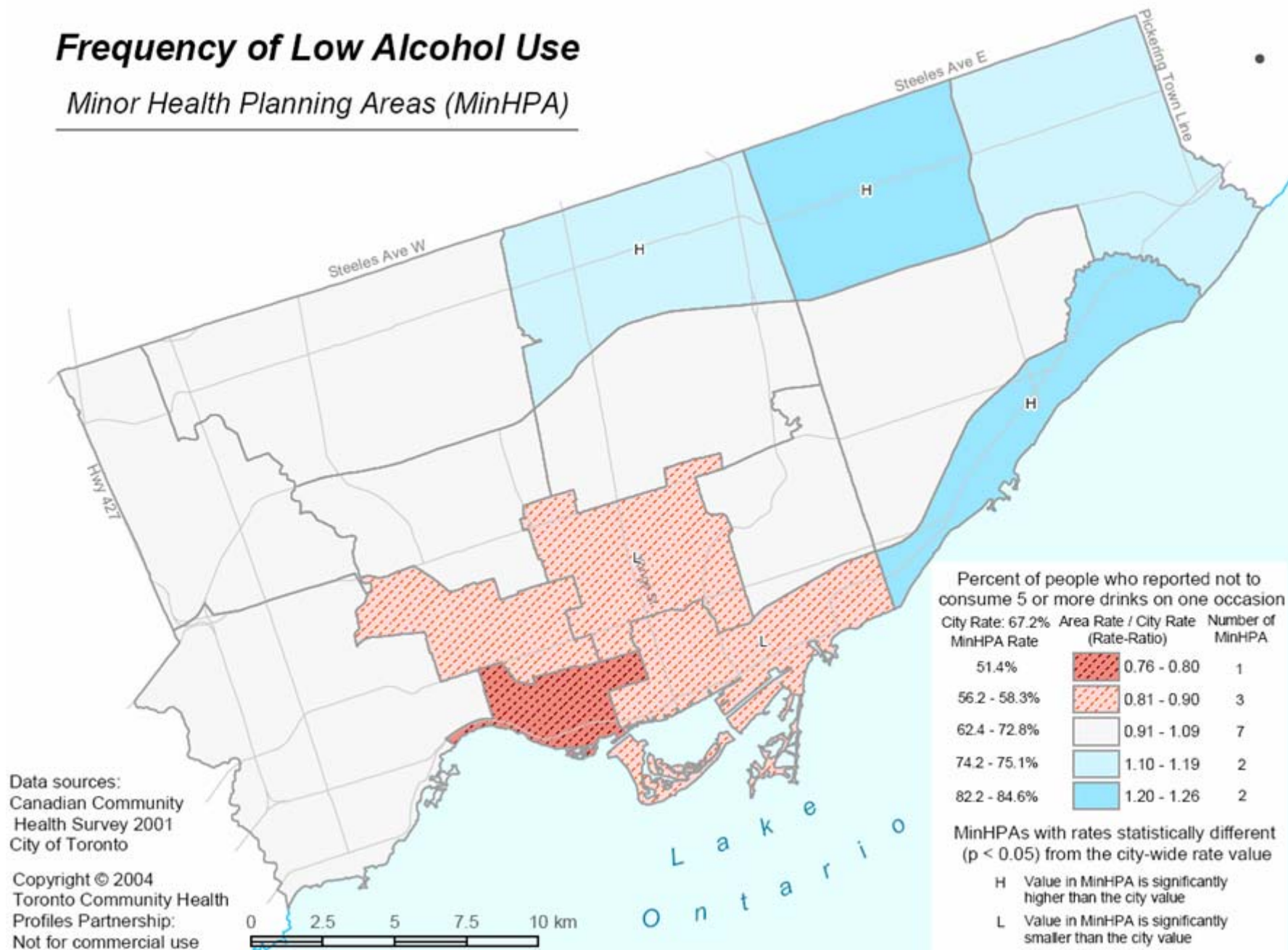- ☐ Agincourt has lower smoking and alcohol use

Daily and Occasional Smokers

Minor Health Planning Areas (MinHPA)

Steeles Ave E

Steeles Ave W

Pickering Town Line

Hwy 427

L

L

L

H

Percent of persons who are
daily or occasional smokers

City Rate: 21.6% MinHPA Rate	Area Rate / City Rate (Rate-Ratio)	Number of MinHPA
8.3 - 16.6%	0.38 - 0.80	3
21.2 - 23.5%	0.81 - 1.09	3
24.2 - 24.7%	1.10 - 1.19	4
26.6 - 31.7%	1.20 - 1.47	3
	data unavailable	2

MinHPAs with rates statistically different
(p < 0.05) from the city-wide rate value

- H Value in MinHPA is significantly higher than the city value
- L Value in MinHPA is significantly smaller than the city value

L a k e   O n t a r i o

Data sources:
Canadian Community
Health Survey 2001
City of Toronto

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0   2.5   5   7.5   10 km

Frequency of Low Alcohol Use

Minor Health Planning Areas (MinHPA)

Steeles Ave E

Pickering Town Line

H

Steeles Ave W

H

Hwy 427

H

L

L

Percent of people who reported not to consume 5 or more drinks on one occasion

City Rate: 67.2% MinHPA Rate	Area Rate / City Rate (Rate-Ratio)	Number of MinHPA
51.4%	0.76 - 0.80	1
56.2 - 58.3%	0.81 - 0.90	3
62.4 - 72.8%	0.91 - 1.09	7
74.2 - 75.1%	1.10 - 1.19	2
82.2 - 84.6%	1.20 - 1.26	2

MinHPAs with rates statistically different (p < 0.05) from the city-wide rate value

H Value in MinHPA is significantly higher than the city value

L Value in MinHPA is significantly smaller than the city value

Data sources:
Canadian Community
Health Survey 2001
City of Toronto

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Lake Ontario

0   2.5   5   7.5   10 km

Mothers and babies

	Toronto	Agincourt	Humber-Downsview
3-year Ave # of Births /1,000 women 15-19 years	16.04	8.17 (5.85 10.50)	24.59 (21.12, 28.07)
% LBW (Birthweight <2500 grams)	5.2	5.1 (4.6,5.5)	6.5 (6.1, 6.8)

☐ Agincourt has lower teen births, H-D has higher teen births and low birth weight

# Teen Births, 1997-2001

Local Health Planning Areas (LocalHPA)

Births to teens age 15-19 per 1,000 female teens of same age group, 1997-2001

City Rate: 16.0 LocalHPA Rate	Area Rate / City Rate (Rate-Ratio)	Number of LocalHPA
2.5 - 11.1	0.16 - 0.70	12
12.5	0.71 - 0.80	1
12.9 - 19.0	0.81 - 1.19	9
19.2 - 24.0	1.20 - 1.49	10
24.2 - 35.4	1.50 - 2.21	9

Local HPA with rates statistically different (p < 0.05) from the city-wide rate

H Value in LocalHPA is significantly higher than the city value

L Value in LocalHPA is significantly smaller than the city value

Data sources:
Ontario Hospital
 Inpatient Data
Provincial Health
 Planning Database
Ontario MOHLTC
City of Toronto

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0   2.5   5   7.5   10 km

Low Birthweight Singleton Births, 1996-2000

Local Health Planning Areas (LocalHPA)

Steeles Ave E

Pickering Town Line

Steeles Ave W

Hwy 427

Yonge St

Data sources:
Live Birth Database,
 PHPDB,
Ministry of Health &
 Long Term Care
 (MOHLTC),
Statistics Canada
City of Toronto

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0   2.5   5   7.5   10 km

L a k e   O n t a r i o
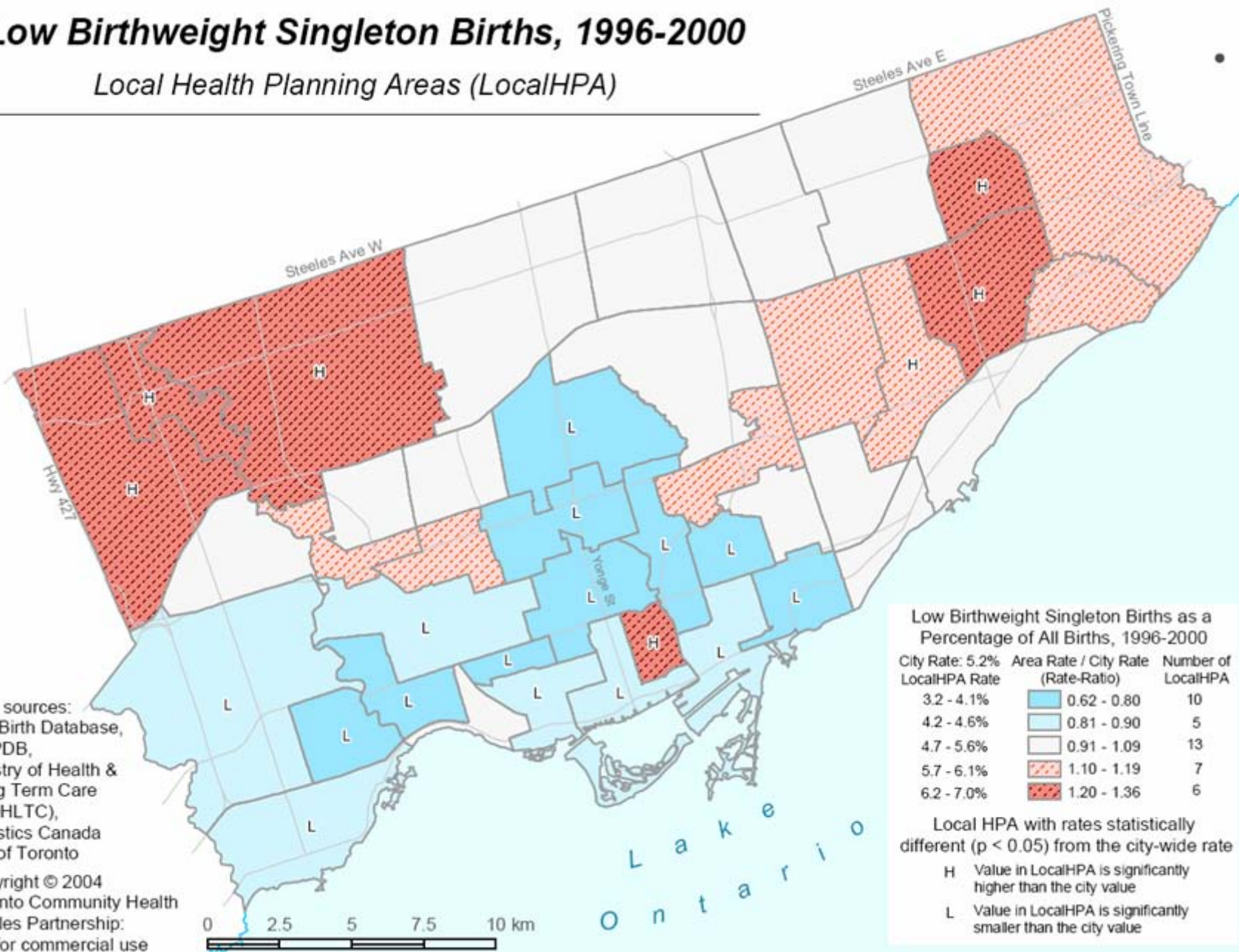
Low Birthweight Singleton Births as a Percentage of All Births, 1996-2000

City Rate: 5.2%
LocalHPA Rate

LocalHPA Rate	Area Rate / City Rate (Rate-Ratio)	Number of LocalHPA
3.2 - 4.1%	0.62 - 0.80	10
4.2 - 4.6%	0.81 - 0.90	5
4.7 - 5.6%	0.91 - 1.09	13
5.7 - 6.1%	1.10 - 1.19	7
6.2 - 7.0%	1.20 - 1.36	6

Local HPA with rates statistically
different (p < 0.05) from the city-wide rate

H   Value in LocalHPA is significantly
      higher than the city value

L   Value in LocalHPA is significantly
      smaller than the city value

What the tale tells us

- Immigrant neighbourhoods
  - vary a great deal socio-demographically
  - have different health needs

- Needs-based planning
  - would suggest quite different programs and services for each area depending on needs

Other Considerations

- Site links with other key resources

  www.city.toronto.on.ca/demographics/neighbourhood_profiles.htm

- Sparse data, especially for national survey information (eg healthy living)
- Selecting an appropriate level
- Pros and cons of making data available publicly

Data tables

	NH	Loc	Min	Maj
	140	40	15	5
Socio-demographics	X	X	X	X
Healthy living			X	X
Mothers/babies	X	X	X	X

Maps

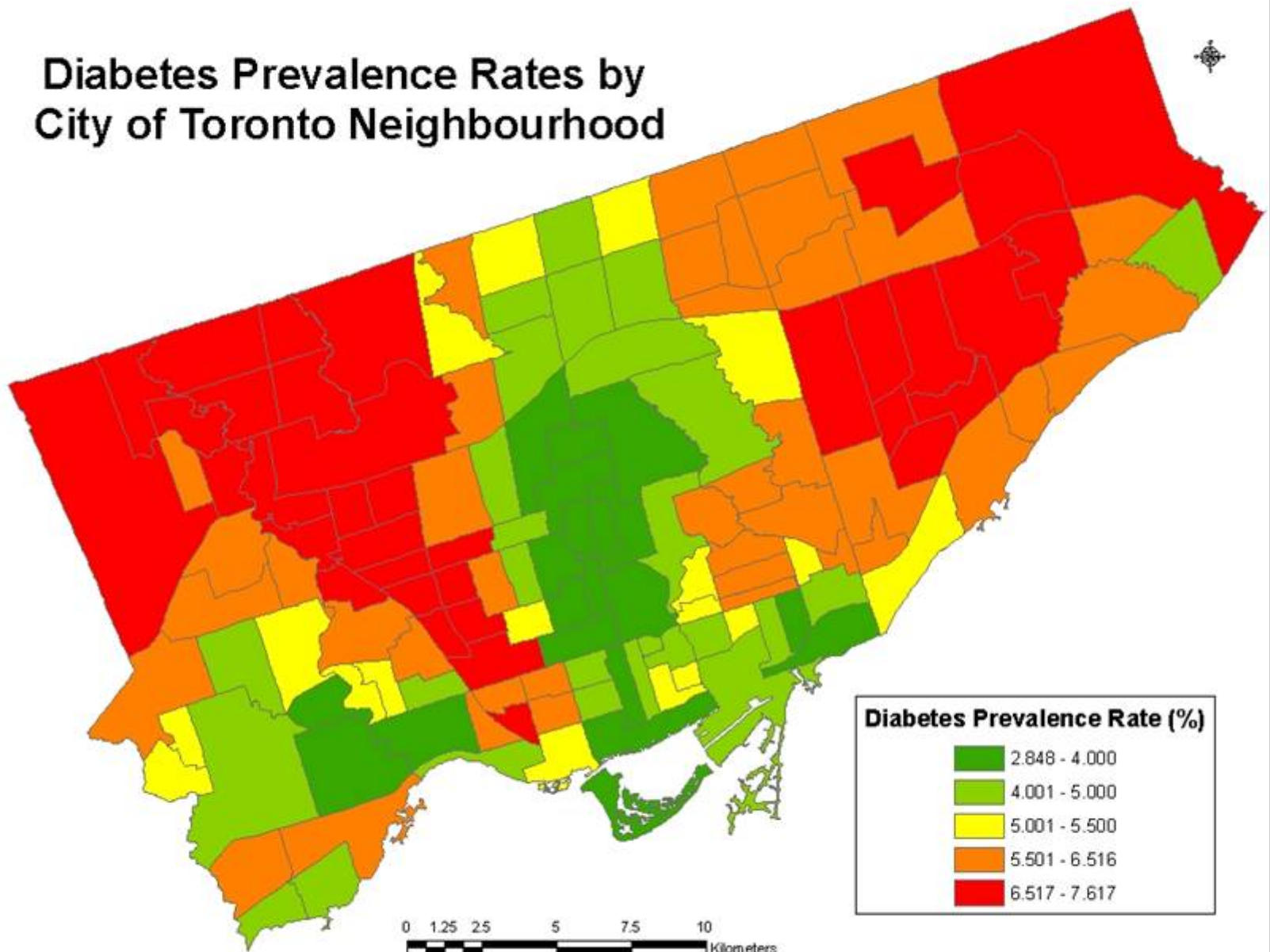|	NH	Loc	Min	Maj	Tor
	140	40	15	5	1
Land use					X
Socio-demographics	X	X	X		
Environment and resources	X				X
Healthy living			X		
Mothers and babies		X	X		

Next Steps

- Toronto Centre and area LHINs
- Site not yet complete
  - Child health/young families (child poverty)
  - Adult health and disease (chronic disease, oral health, mental health, disability)
  - Seniors (adult indicators plus medications, home care, long-term care, disability)
  - Prevention (cancer screening, immunizations, checkups)
  - Mortality (age-adjusted, PYLL, healthy life expectancy)
  - Equity (by SES, immigration)
- Watch for maps of clustering, walking and transit times, interactive mapping

Pap Smears Among Women Age 42 to 66
## 2000-2002
Toronto Neigbourhoods

Women age 42-66 with at least one pap smear test during 2000 to 2002 as a percentage of all women in RPDB

Rate	Number of Neighbourhoods
35.6 - 40.0%	4
40.1 - 45.0%	11
45.1 - 50.0%	38
50.1 - 55.0%	53
55.1 - 65.9%	34

Toronto unweighted rate: 51.5%

Data sources:
OHIP
Registered Persons
Database (RPDB)
City of Toronto

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0   2.5   5   7.5   10 km
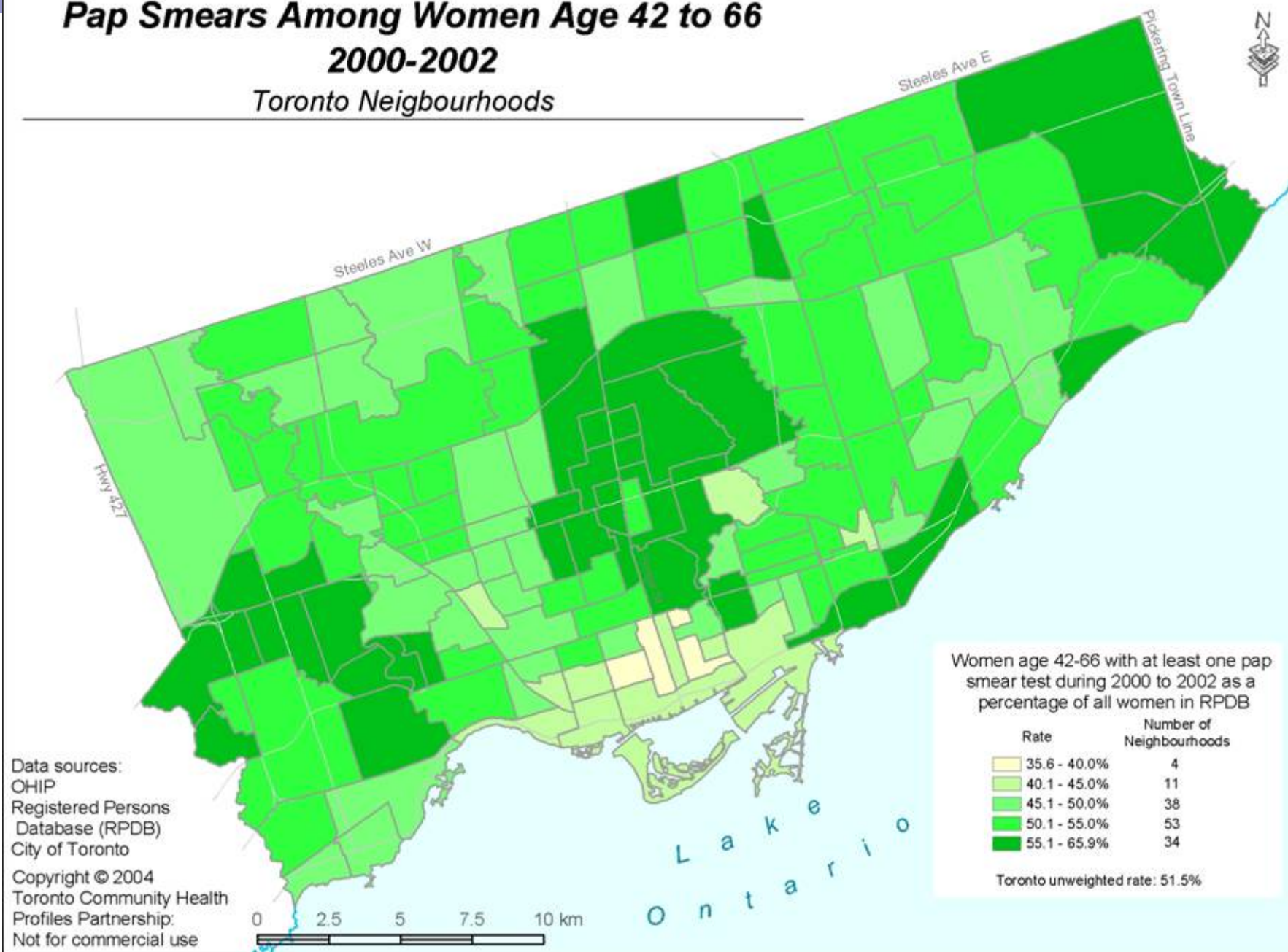
Diabetes Prevalence Rates by City of Toronto Neighbourhood

Diabetes Prevalence Rate (%)

- 2.848 - 4.000
- 4.001 - 5.000
- 5.001 - 5.500
- 5.501 - 6.516
- 6.517 - 7.617

0   1.25   2.5   5   7.5   10
Kilometers

Kelly Ross, 2004

Bivariate LISA between Diabetes Prevalence Rate and Percent Less than Highschool Educated by Neighbourhood

LISA
High-High
Low-Low
High-Low
Low-High
Not Significant

0 2 4 8 12 Kilometers

Kelly Ross, 2004
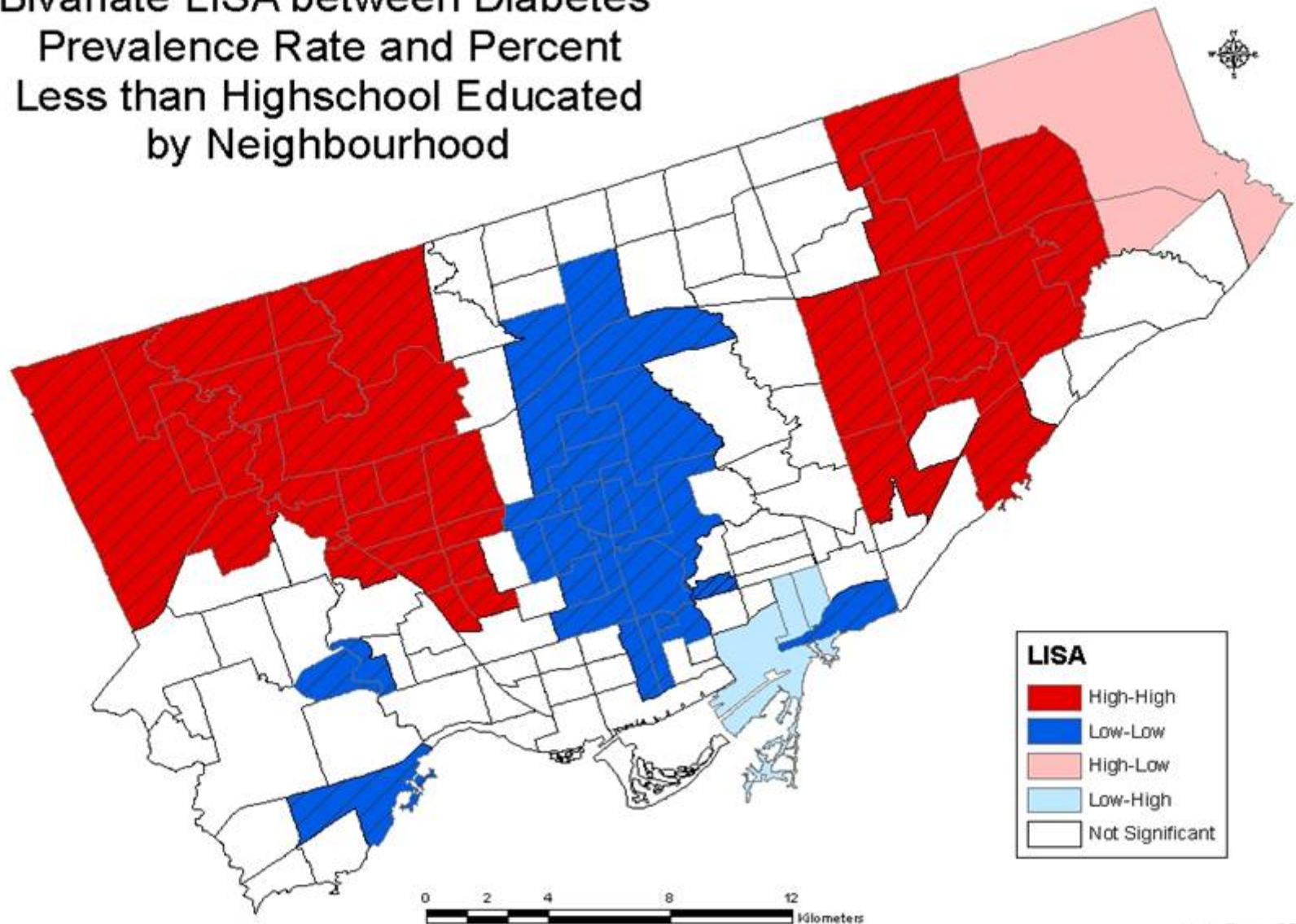
Modelled Map of Travel Time from DA's to Grocery Stores using Transit/Walking Network

Travel Time to Grocery Stores (Minutes)
- 30+
- 20-30
- 10-20
- 5-10
- 0-5
- Major Roads

Kelly Ross, 2004
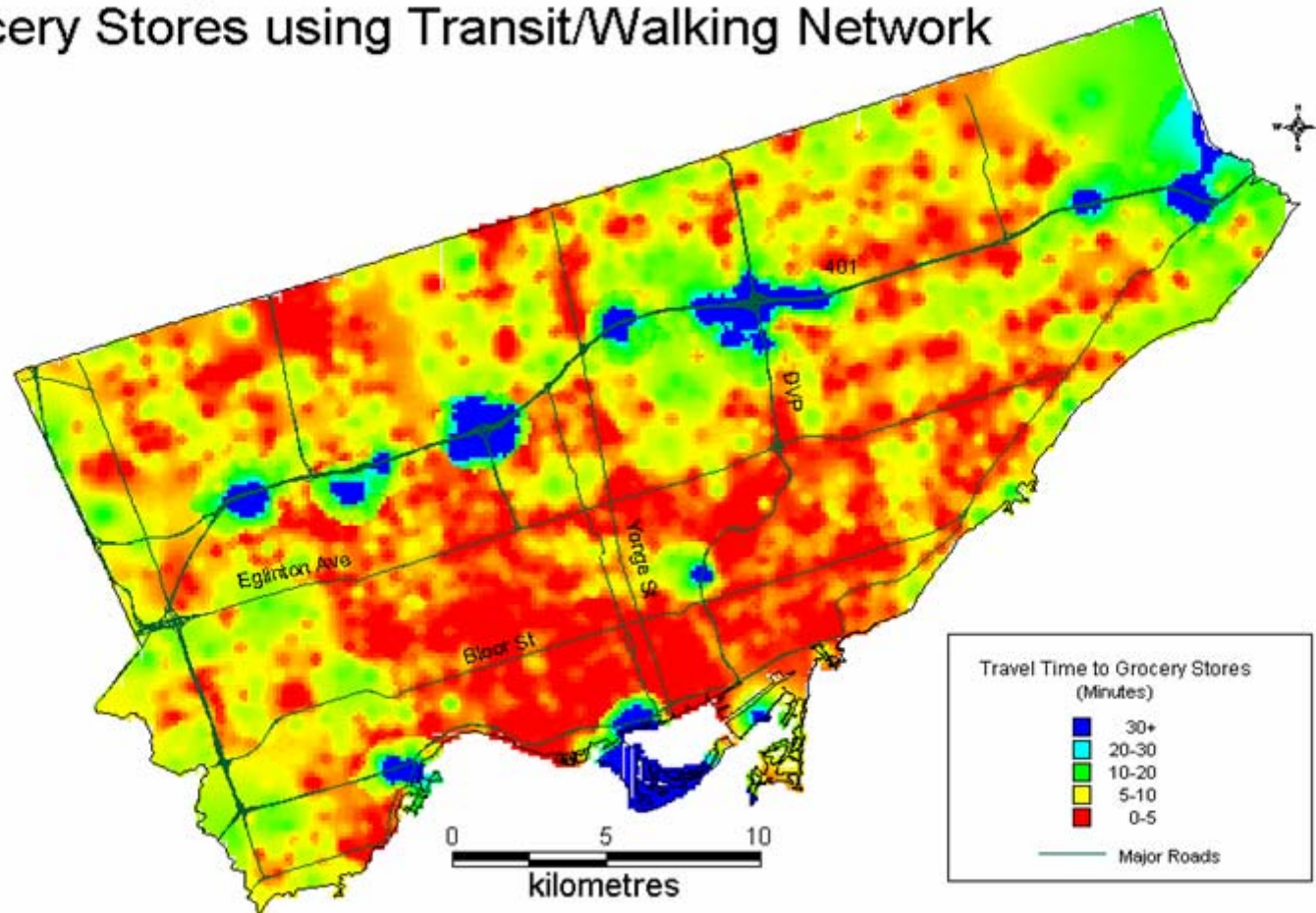
Partners and People

- CRICH
  - Rick Glazier, Peter Gozdyra, Marisa Creatore, Golareh Agha, Sam Blakeley
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- WCHC
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  - Lorraine Purdon

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