Appendix 2 (as supplied by the authors): Supplemental tables

Supplemental Table S1. Demographic characteristics of survey respondents compared to Ontario's general population

Supplemental Table S2. Association between respondent demographics and self-report of favourable access to primary care as measured by four questions on the provincial Health Care Experience Survey

Supplemental Table S3. Full parameter estimates for regression models

Supplemental Table S1. Demographic characteristics of survey respondents and the general Ontario population

		Ontario population not included as Health Care Experience Survey respondents in administrative database (N= 11,176,006)	Ontario population who responded to the Health Care Experience Survey and agreed to link responses to health administrative databases (N= 35,817)
Number of Aggregated Diagnosis Groups	0	1,121,834 (10.0%)	1,894 (5.3%)
	1-5	5,008,919 (44.8%)	15,666 (43.7%)
	6-9	4,068,929 (36.4%)	14,681 (41.0%)
	10+	976,324 (8.7%)	3,576 (10.0%)
Resource Utilization Band	0 (low)	1,119,243 (10.0%)	1,877 (5.2%)
	1	638,446 (5.7%)	1,676 (4.7%)
	2	1,995,647 (17.9%)	5,780 (16.1%)
	3	5,426,480 (48.6%)	18,879 (52.7%)
	4	1,475,595 (13.2%)	5,603 (15.6%)
	5 (high)	520,595 (4.7%)	2,002 (5.6%)
Age	Mean (95% CI)	46.8 (46.8, 46.9)	51.7 (51.5, 51.9)
	Median (IQR)	46 (31-60)	52 (39-64)
Neighbourhood income quintile	1 (low)	2,092,185 (18.8%)	5,965 (16.7%)
	2	2,181,639 (19.6%)	6,709 (18.8%)
	3	2,230,393 (20.0%)	7,183 (20.1%)
	4	2,361,618 (21.2%)	7,795 (21.9%)
	5 (high)	2,264,753 (20.3%)	8,020 (22.5%)
Recent registrant	No	10,053,475 (90.0%)	33,686 (94.1%)
	Yes	1,122,531 (10.0%)	2,131 (5.9%)
Rurality	Urban	8,113,967 (73.2%)	21,109 (60.0%)
	Small town	2,146,585 (19.4%)	9,657 (27.5%)
	Rural	826,506 (7.5%)	4,404 (12.5%)
Sex from RPDB	F	5,754,601 (51.5%)	20,473 (57.2%)
	M	5,421,405 (48.5%)	15,344 (42.8%)

*Ontario population includes all Ontario residents with a valid the Ontario Health Insurance Plan, who were alive at the index date, had contacts with the healthcare system in the last 7 to 9 years, and were 16 and older. Patients attending Community Health Centres were excluded.

Supplemental Table S2. Association between respondent demographics and self-report of favourable access to primary care as measured by four questions on the provincial Health Care Experience Survey

	Same/next day access when sick (N=16,602) N (%)	Satisfaction with time to visit when sick (N=2,364) N (%)	Telephone Access (N=18,179) N (%)	Awareness of after-hours clinic (N=33,660) N (%)
All respondents	6684 (40.3%)	1652 (69.9%)	14223 (78.2%)	13858 (41.2%)
Sex				
Female	4,135 (40.3%)	980 (68.6%)	9,021 (78.0%)	8,731 (44.7%)
Male	2,549 (40.2%)	672 (71.8%)	5,202 (78.7%)	5,127 (36.3%)
Age				
16-49	2,867 (39.5%)	615 (65.6%)	5,924 (76.5%)	5,644 (39.5%)
50-64	2,068 (38.4%)	533 (68.2%)	4,596 (77.4%)	4,500 (43.2%)
65-79	1,426 (43.7%)	414 (77.5%)	3,072 (83.1%)	3,028 (42.5%)
80+	323 (46.9%)	90 (80.4%)	631 (78.7%)	686 (37.4%)
Rurality				
Big cities	4,417 (43.1%)	1,027 (71.3%)	8,123 (78.8%)	8,889 (44.9%)
Small towns	1,685 (38.8%)	440 (69.6%)	4,255 (78.2%)	3,868 (41.8%)
Rural	505 (28.9%)	162 (63.8%)	1,624 (76.2%)	974 (24.3%)
Missing	77 (28.4%)	23 (60.5%)	221 (74.2%)	127 (22.0%)
Recent registrant				
No	6,427 (40.0%)	1,610 (70.2%)	13,912 (78.4%)	13,577 (41.6%)
Yes	257 (49.0%)	42 (58.3%)	311 (72.5%)	281 (26.6%)
Aggregated diagnosis groups				
0 (lowest)	98 (37.5%)	25 (69.4%)	312 (80.2%)	483 (34.3%)
1-5	2,219 (38.2%)	564 (70.4%)	5,467 (79.0%)	5,753 (40.2%)
6-9	3,305 (40.5%)	806 (68.4%)	6,592 (77.4%)	6,056 (42.4%)
10+ (highest)	1,062 (44.8%)	257 (73.9%)	1,852 (78.6%)	1,566 (42.8%)
Resource Utilization Bands				
0 (lowest)	96 (37.5%)	24 (70.6%)	304 (80.0%)	477 (34.4%)
1	196 (41.4%)	40 (66.7%)	499 (81.7%)	546 (37.8%)
2	770 (39.1%)	199 (69.3%)	1,856 (78.4%)	2,010 (39.2%)
3	3,788 (39.6%)	934 (69.2%)	7,827 (77.7%)	7,616 (42.0%)
4	1,305 (42.1%)	296 (68.8%)	2,693 (78.4%)	2,320 (42.3%)
5	529 (42.8%)	159 (78.3%)	1,044 (79.5%)	889 (42.5%)
Self-reported health				
Excellent	1,134 (43.7%)	228 (74.3%)	2,557 (81.3%)	2,628 (42.1%)
Very good	2,465 (40.9%)	598 (72.3%)	5,392 (80.5%)	5,383 (42.8%)
Good	1,934 (39.2%)	521 (69.4%)	3,942 (76.5%)	3,789 (39.7%)
Fair	778 (36.6%)	209 (61.1%)	1,673 (74.5%)	1,487 (39.3%)

Poor	351 (40.6%)	88 (68.2%)	617 (70.7%)	528 (38.2%)
Missing	22 (40.7%)	8 (100.0%)	42 (68.9%)	43 (35.2%)
Education				
Less than high School	666 (40.9%)	143 (67.8%)	1,223 (76.8%)	1,362 (35.0%)
High School	1,336 (40.9%)	346 (73.0%)	2,880 (80.4%)	2,798 (39.3%)
Some college or university	622 (41.2%)	175 (81.0%)	1,331 (80.0%)	1,266 (41.6%)
College or Trade	1,719 (39.9%)	385 (68.0%)	3,788 (77.5%)	3,666 (43.6%)
Bachelor's degree	1,525 (39.6%)	396 (67.2%)	3,306 (77.7%)	3,117 (42.4%)
Graduate or professional degree	762 (39.6%)	189 (66.8%)	1,604 (77.0%)	1,555 (43.3%)
Missing	54 (47.4%)	18 (72.0%)	91 (77.8%)	94 (38.1%)
Financial situation				
Very comfortable	1,077 (43.3%)	266 (75.8%)	2,365 (81.8%)	2,230 (43.1%)
Comfortable	3,978 (40.1%)	1,005 (71.2%)	8,620 (79.0%)	8,590 (41.9%)
Tight/Very tight/Poor	1,444 (38.4%)	339 (63.0%)	2,897 (73.6%)	2,686 (37.9%)
Missing	185 (42.2%)	42 (66.7%)	341 (77.1%)	352 (39.9%)
Language				
English	5,890 (39.9%)	1,494 (70.6%)	13,153 (78.7%)	12,794 (42.6%)
Other	780 (43.0%)	156 (64.2%)	1,054 (72.9%)	1,051 (29.4%)
Missing	14 (48.3%)	<=5 (40.0%)	16 (80.0%)	13 (22.8%)

Supplemental Table S3. Full Parameter Estimates for Regression Models

a. Same/next day access when sick

Variables	Labels	Odds Ratio (95% CI)		
		Big cities	**Small towns**	**Rural**
Age	Years	1.01 (1.003, 1.008)	1.00 (1.000, 1.009)	1.00 (0.995, 1.010)
Aggregated diagnosis groups (ADG)	Medium (6-9)	1.07 (0.980, 1.177)	1.06 (0.918, 1.226)	1.03 (0.812, 1.315)
	High (10+)	1.26 (1.102, 1.438)	1.17 (0.943, 1.460)	1.45 (0.992, 2.114)
	Low (0-5) - **ref**	1.00	1.00	1.00
Education	Less than high School	1.30 (1.082, 1.559)	1.35 (0.993, 1.838)	1.37 (0.787, 2.402)
	High School	1.27 (1.095, 1.465)	1.18 (0.892, 1.551)	1.38 (0.815, 2.349)
	Some college or university	1.27 (1.065, 1.505)	1.25 (0.905, 1.717)	1.28 (0.709, 2.293)
	College or Trade	1.18 (1.027, 1.348)	1.14 (0.872, 1.490)	1.37 (0.809, 2.305)
	Bachelor's degree	1.06 (0.932, 1.212)	1.03 (0.776, 1.369)	1.07 (0.616, 1.865)
	Graduate/professional – **ref**	1.00	1.00	1.00
Financial situation	Very comfortable	1.22 (1.059, 1.400)	1.17 (0.935, 1.458)	1.28 (0.871, 1.889)
	Comfortable	1.02 (0.923, 1.132)	1.11 (0.938, 1.308)	1.33 (1.001, 1.762)
	Tight/Very tight/Poor - **ref**	1.00	1.00	1.00
Recent immigrant	No	0.70 (0.581, 0.852)	0.94 (0.379, 2.327)	1.09 (0.108, 10.905)
	Yes - **ref**	1.00	1.00	1.00
Models of care	Family Health Team	0.88 (0.791, 0.983)	0.82 (0.681, 0.976)	0.74 (0.514, 1.078)
	Capitation	0.78 (0.704, 0.865)	0.71 (0.581, 0.871)	1.06 (0.688, 1.637)
	Not Rostered	1.02 (0.893, 1.168)	0.78 (0.592, 1.032)	1.08 (0.683, 1.706)
	Enhanced Fee For Services - **ref**	1.00	1.00	1.00
Self-reported health	Very good	0.94 (0.834, 1.059)	0.79 (0.651, 0.960)	0.76 (0.538, 1.071)
	Good	0.81 (0.716, 0.924)	0.77 (0.626, 0.950)	0.82 (0.574, 1.172)
	Fair	0.69 (0.586, 0.808)	0.72 (0.556, 0.924)	0.72 (0.469, 1.113)
	Poor	0.81 (0.649, 1.005)	0.64 (0.454, 0.902)	0.84 (0.477, 1.482)
	Excellent - **ref**	1.00	1.00	1.00
Sex	Female	1.02 (0.937, 1.107)	0.96 (0.836, 1.097)	0.88 (0.705, 1.104)
	Male - **ref**	1.00	1.00	1.00

b. Satisfaction with time to visit when sick

Variables	Labels	Odds Ratio (95% CI)		
		Big cities	**Small towns**	**Rural**
Age	Years	1.01 (1.003, 1.019)	1.02 (1.003, 1.029)	1.01 (0.984, 1.027)
Aggregated diagnosis groups (ADG)	Medium (6-9)	0.76 (0.578, 1.008)	1.22 (0.796, 1.860)	0.84 (0.428, 1.638)
	High (10+)	1.08 (0.718, 1.634)	1.66 (0.852, 3.217)	1.55 (0.528, 4.542)
	Low (0-5) - **ref**	1.00	1.00	1.00
Education	Less than high School	1.59 (0.873, 2.898)	2.01 (0.833, 4.833)	0.32 (0.066, 1.527)
	High School	1.71 (1.100, 2.647)	2.11 (0.987, 4.518)	0.80 (0.174, 3.658)
	Some college or university	2.31 (1.318, 4.045)	3.53 (1.357, 9.164)	1.39 (0.233, 8.347)
	College or Trade	1.18 (0.794, 1.768)	1.99 (0.942, 4.209)	0.31 (0.071, 1.328)
	Bachelor's degree	0.99 (0.682, 1.439)	1.71 (0.789, 3.696)	0.31 (0.069, 1.356)
	Graduate/professional – **ref**	1.00	1.00	1.00
Financial situation	Very comfortable	2.29 (1.480, 3.548)	0.89 (0.454, 1.733)	2.65 (0.890, 7.901)
	Comfortable	1.43 (1.064, 1.926)	1.27 (0.802, 2.025)	1.89 (0.902, 3.949)
	Tight/Very Tight/Poor - **ref**	1.00	1.00	1.00
Recent immigrant	No	1.49 (0.858, 2.601)	0.00 (--, --)	1.15 (0.419, 3.161)
	Yes - **ref**	1.00	1.00	1.00
Models of care	Family Health Team	1.16 (0.825, 1.620)	0.84 (0.468, 1.500)	2.08 (0.605, 7.179)
	Capitation	0.91 (0.672, 1.239)	0.73 (0.388, 1.368)	2.40 (0.637, 9.080)
	Not Rostered	1.28 (0.841, 1.960)	0.77 (0.336, 1.766)	0.47 (0.165, 1.346)
	Enhanced Fee For Services - **ref**	1.00	1.00	1.00
Self-reported health	Very good	1.02 (0.682, 1.518)	0.79 (0.419, 1.471)	0.77 (0.253, 2.343)
	Good	0.82 (0.545, 1.232)	0.70 (0.363, 1.367)	0.48 (0.129, 1.756)
	Fair	0.51 (0.314, 0.824)	0.34 (0.164, 0.722)	0.18 (0.034, 0.930)
	Poor	1.26 (0.614, 2.604)	0.52 (0.196, 1.393)	1.07 (0.583, 1.976)
	Excellent - **ref**	1.00	1.00	1.00
Sex	Female	0.86 (0.665, 1.100)	0.87 (0.589, 1.293)	1.01 (0.984, 1.027)
	Male - **ref**	1.00	1.00	1.00

c. Telephone access

Variables	Labels	Odds Ratio (95% CI)		
		Big cities	**Small towns**	**Rural**
Age	Years	1.01 (1.006, 1.013)	1.01 (1.007, 1.016)	1.00 (0.994, 1.008)
Aggregated diagnosis groups (ADG)	Medium (6-9)	0.87 (0.779, 0.971)	1.08 (0.926, 1.264)	0.86 (0.686, 1.084)
	High (10+)	1.01 (0.854, 1.190)	1.06 (0.829, 1.357)	0.97 (0.654, 1.441)
	Low (0-5) - **ref**	1.00	1.00	1.00
Education	Less than high School	1.03 (0.816, 1.293)	1.40 (1.004, 1.957)	1.45 (0.895, 2.358)
	High School	1.34 (1.119, 1.606)	1.52 (1.142, 2.025)	1.73 (1.109, 2.714)
	Some college or university	1.49 (1.194, 1.861)	1.29 (0.929, 1.798)	1.60 (0.951, 2.690)
	College or Trade	1.06 (0.899, 1.242)	1.36 (1.037, 1.791)	1.37 (0.889, 2.119)
	Bachelor's degree	1.00 (0.852, 1.163)	1.33 (0.993, 1.771)	1.44 (0.906, 2.276)
	Graduate/professional – **ref**	1.00	1.00	1.00
Financial situation	Very comfortable	1.47 (1.237, 1.747)	1.37 (1.077, 1.742)	1.34 (0.924, 1.947)
	Comfortable	1.20 (1.064, 1.355)	1.39 (1.167, 1.647)	1.06 (0.816, 1.374)
	Tight/Very Tight/Poor - **ref**	1.00	1.00	1.00
Recent immigrant	No	1.18 (0.931, 1.498)	1.67 (0.667, 4.170)	0.91 (0.100, 8.267)
	Yes - **ref**	1.00	1.00	1.00
Models of care	Family Health Team	1.15 (1.002, 1.309)	0.78 (0.630, 0.965)	0.72 (0.481, 1.076)
	Capitation	1.04 (0.915, 1.175)	0.85 (0.674, 1.083)	1.05 (0.658, 1.689)
	Not Rostered	0.95 (0.806, 1.125)	0.81 (0.597, 1.094)	0.88 (0.532, 1.454)
	Enhanced Fee For Services - **ref**	1.00	1.00	1.00
Self-reported health	Very good	0.96 (0.829, 1.112)	0.96 (0.777, 1.192)	0.83 (0.591, 1.179)
	Good	0.75 (0.639, 0.873)	0.68 (0.544, 0.854)	0.63 (0.445, 0.906)
	Fair	0.67 (0.550, 0.805)	0.50 (0.381, 0.653)	0.69 (0.455, 1.060)
	Poor	0.62 (0.477, 0.804)	0.51 (0.354, 0.722)	0.49 (0.278, 0.855)
	Excellent - **ref**	1.00	1.00	1.00
Sex	Female	1.05 (0.943, 1.158)	0.97 (0.831, 1.123)	0.80 (0.640, 1.002)
	Male - **ref**	1.00	1.00	1.00

d. Awareness of after-hours clinic

Variables	Labels	Odds Ratio (95% CI)		
		Big cities	**Small towns**	**Rural**
Age	Years	1.01 (1.006, 1.009)	1.00 (0.996, 1.002)	1.00 (0.995, 1.005)
Aggregated diagnosis groups (ADG)	Medium (6-9)	1.00 (0.932, 1.063)	1.21 (1.101, 1.339)	1.19 (1.007, 1.400)
	High (10+)	1.04 (0.942, 1.159)	1.13 (0.963, 1.338)	1.36 (1.009, 1.822)
	Low (0-5) - **ref**	1.00	1.00	1.00
Education	Less than high School	0.75 (0.655, 0.852)	0.82 (0.667, 1.013)	0.77 (0.539, 1.112)
	High School	0.92 (0.827, 1.025)	0.91 (0.749, 1.097)	0.76 (0.539, 1.073)
	Some college or university	1.02 (0.899, 1.165)	0.99 (0.792, 1.232)	0.83 (0.558, 1.223)
	College or Trade	1.11 (1.003, 1.231)	0.98 (0.814, 1.184)	0.96 (0.686, 1.353)
	Bachelor's degree	1.00 (0.902, 1.099)	1.01 (0.826, 1.226)	0.87 (0.608, 1.253)
	Graduate/professional – **ref**	1.00	1.00	1.00
Financial situation	Very comfortable	1.19 (1.073, 1.320)	1.10 (0.944, 1.287)	0.89 (0.686, 1.165)
	Comfortable	1.12 (1.035, 1.207)	1.08 (0.965, 1.216)	1.02 (0.842, 1.237)
	Tight/Very Tight/Poor - **ref**	1.00	1.00	1.00
Recent immigrant	No	1.67 (1.431, 1.947)	1.22 (0.643, 2.312)	0.85 (0.265, 2.754)
	Yes - **ref**	1.00	1.00	1.00
Models of care	Family Health Team	2.59 (2.391, 2.810)	1.71 (1.503, 1.944)	1.17 (0.890, 1.550)
	Capitation	1.90 (1.758, 2.044)	1.29 (1.118, 1.488)	1.35 (0.985, 1.862)
	Not Rostered	0.86 (0.772, 0.948)	0.76 (0.629, 0.925)	1.03 (0.734, 1.458)
	Enhanced Fee For Services - **ref**	1.00	1.00	1.00
Self-reported health	Very good	1.10 (1.007, 1.191)	1.01 (0.888, 1.141)	0.81 (0.653, 1.003)
	Good	0.96 (0.881, 1.057)	0.93 (0.807, 1.063)	0.80 (0.637, 1.007)
	Fair	0.98 (0.866, 1.098)	0.93 (0.776, 1.107)	0.61 (0.452, 0.828)
	Poor	0.88 (0.738, 1.045)	0.94 (0.731, 1.211)	0.71 (0.465, 1.089)
	Excellent - **ref**	1.00	1.00	1.00
Sex	Female	1.41 (1.330, 1.503)	1.34 (1.227, 1.474)	1.14 (0.976, 1.327)
	Male - **ref**	1.00	1.00	1.00