

## N133 – Centennial Scarborough Profile: Emergency Department Care

Indicators	City of Toronto			Toronto Central LHIN			Centennial Scarborough			
	Males	Females	Both sexes	Males	Females	Both sexes	Males (95% CI)	Females (95% CI)	Both sexes (95% CI)	Rate Ratio**
<b>Demographics ***</b>										
Total Population Age 0-4	68,780	65,600	134,380	28,890	27,600	56,490	285	260	545	
Total Population Age 5-19	215,715	203,795	419,510	81,570	77,890	159,460	1,305	1,230	2,535	
Total Population Age 20-44	471,380	497,960	969,340	224,185	231,545	455,730	1,825	1,985	3,810	
Total Population Age 45-64	294,840	322,830	617,670	130,750	138,995	269,745	1,845	2,135	3,980	
<b>All Emergency Department (ED) visits (2009) ±</b>										
<b>Population Age 0-4</b>										
# of ED visits	36,999	28,846	65,845	15,132	11,909	27,041	140	110	250	
Rate of ED visits per 1,000 population per year	537.9	439.7	490.0	523.8	431.5	478.7	491.2 (433.2-549.3)	423.1 (363.0-483.1)	458.7 (416.9-500.6)	0.94 NS
% of the population with one or more ED visits per year	34.1	29.2	31.7	33.2	28.6	31.0	31.6 (23.7-39.5)	33.1 (24.5-41.6)	32.3 (26.5-38.1)	1.02 NS
<b>Population Age 5-19</b>										
# of ED visits	50,769	43,276	94,045	20,649	17,985	38,634	357	249	606	
Rate of ED visits per 1,000 population per year	235.4	212.4	224.2	253.1	230.9	242.3	273.6 (249.4-297.8)	202.4 (180.0-224.9)	239.1 (222.5-255.7)	1.07 NS
% of the population with one or more ED visits per year	17.3	15.0	16.2	18.3	15.8	17.1	21.1 (18.3-24.0)	14.0 (11.7-16.2)	17.7 (15.9-19.5)	1.09 NS
<b>Population Age 20-44</b>										
# of ED visits	114,073	132,273	246,346	59,363	63,776	123,139	442	415	857	
Rate of ED visits per 1,000 population per year	242.0	265.6	254.1	264.8	275.4	270.2	242.2 (222.5-261.8)	209.1 (191.2-227.0)	224.9 (211.7-238.2)	0.89 L
% of the population with one or more ED visits per year	15.6	16.9	16.3	16.3	17.3	16.8	17.3 (15.2-19.4)	16.1 (14.1-18.0)	16.7 (15.2-18.1)	1.03 NS
<b>Population Age 45-64</b>										
# of ED visits	88,281	89,222	177,503	45,062	40,194	85,256	410	463	873	
Rate of ED visits per 1,000 population per year	299.4	276.4	287.4	344.6	289.2	316.1	222.2 (203.3-241.2)	216.9 (199.4-234.3)	219.3 (206.5-232.2)	0.76 L
% of the population with one or more ED visits per year	17.8	17.6	17.7	18.9	17.6	18.2	16.4 (14.3-18.4)	15.8 (13.9-17.6)	16.1 (14.7-17.4)	0.91 L

**CI** Confidence Interval.

**H / L / NS** Chances are at least 19 in 20 that the rate is higher (H) or lower (L) than the City of Toronto rate ( $p < 0.05$ ). Rates marked not significantly (NS) different do not reach this level of significance.

**\*\*** Rate ratios for both sexes were created by dividing the local area rate by the City of Toronto aggregate rate.

**\*\*\*** Denominator: Based on 2006 Census population estimates, Statistics Canada.

**±** All unscheduled ED visits. Data source: National Ambulatory Care Reporting System (NACRS), Canadian Institute for Health Information (CIHI).

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<b>Demographics ***</b>										
Total Population Age 65-74	80,785	98,145	178,930	31,755	38,280	70,035	525	470	995	
Total Population Age 75+	68,060	104,610	172,670	26,385	43,330	69,715	260	300	560	
Total Population	1,199,560	1,292,940	2,492,500	523,535	557,640	1,081,175	6,045	6,380	12,425	
<b>All Emergency Department (ED) visits (2009) ±</b>										
<b>Population Age 65-74</b>										
# of ED visits	28,857	32,242	61,099	12,838	13,486	26,324	159	159	318	
Rate of ED visits per 1,000 population per year	357.2	328.5	341.5	404.3	352.3	375.9	302.9 (263.6-342.2)	338.3 (295.5-381.1)	319.6 (290.6-348.6)	0.94 NS
% of the population with one or more ED visits per year	20.7	20.1	20.4	22.4	21.0	21.7	22.5 (17.9-27.1)	26.0 (20.6-31.3)	24.1 (20.6-27.6)	1.18 H
<b>Population Age 75+</b>										
# of ED visits	43,187	61,793	104,980	17,504	25,792	43,296	185	171	356	
Rate of ED visits per 1,000 population per year	634.5	590.7	608.0	663.4	595.2	621.0	711.5 (656.5-766.6)	570.0 (514.0-626.0)	635.7 (595.9-675.6)	1.05 NS
% of the population with one or more ED visits per year	34.1	33.4	33.7	34.8	33.1	33.7	32.7 (24.2-41.2)	37.0 (28.3-45.7)	35.0 (28.9-41.1)	1.04 NS
<b>Total Population</b>										
# of ED visits	362,166	387,652	749,818	170,548	173,142	343,690	1,693	1,567	3,260	
Rate of ED visits per 1,000 population per year	301.9	299.8	300.8	325.8	310.5	317.9	280.1 (264.3-295.8)	245.6 (231.6-259.6)	262.4 (251.9-272.9)	0.87 L
Age-Adjusted rate of visits per 1,000 †	293.9	292.3	293.1	319.1	303.5	311.2	283.2 (270.8-295.6)	256.4 (245.1-267.6)	269.7 (261.4-278.0)	0.92 L
% of the population with one or more ED visits per year	18.9	19.0	18.9	19.5	19.2	19.3	19.6 (16.8-19.1)	18.0 (18.4-20.9)	18.8 (17.9-19.6)	0.99 NS
Age-Adjusted % of the population with an ED visit †	19.2	19.3	19.2	19.0	19.5	19.3	19.9 (18.8-20.9)	18.9 (17.9-20.0)	19.3 (18.6-20.1)	1.01 NS

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**\*\*** Rate ratios for both sexes were created by dividing the local area rate by the City of Toronto aggregate rate.

**\*\*\*** Denominator: Based on 2006 Census population estimates, Statistics Canada.

**±** All unscheduled ED visits. Data source: National Ambulatory Care Reporting System (NACRS), Canadian Institute for Health Information (CIHI).

**†** Rates are age-adjusted using the direct method and the 1991 Canada population as the standard population.

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	Males	Females	Both sexes	Males	Females	Both sexes	Males (95% CI)	Females (95% CI)	Both sexes (95% CI)	Rate Ratio**
<b>Low Triage <sup>a</sup> Emergency Department (ED) visits (2009) <sup>±</sup></b>										
<b>Population Age 0-4</b>										
# of ED visits	36,999	28,846	65,845	15,132	11,909	27,041	140	110	250	
# of Low Triage visits	10,135	8,471	18,606	4,310	3,726	8,036	35	31	66	
Ratio of low to high Triage visits	0.38	0.42	0.40	0.41	0.46	0.43	0.33 (0.22-0.45)	0.39 (0.24-0.54)	0.36 (0.27-0.45)	0.90 NS
% of all ED visits that are Low Triage	27.4	29.4	28.3	28.5	31.3	29.7	25.0 (15.4-34.6)	28.2 (16.5-39.9)	26.4 (19.0-33.8)	0.93 NS
<b>Population Age 5-19</b>										
# of ED visits	50,769	43,276	94,045	20,649	17,985	38,634	357	249	606	
# of Low Triage visits	22,320	17,595	39,915	8,622	7,106	15,728	164	102	266	
Ratio of low to high Triage visits	0.79	0.69	0.75	0.73	0.66	0.70	0.86 (0.69-1.03)	0.71 (0.54-0.88)	0.79 (0.67-0.91)	1.07 NS
% of all ED visits that are Low Triage	44.0	40.7	42.4	41.8	39.5	40.7	45.9 (36.4-55.5)	41.0 (30.6-51.3)	43.9 (36.9-50.9)	1.03 NS
<b>Population Age 20-44</b>										
# of ED visits	114,073	132,273	246,346	59,363	63,776	123,139	442	415	857	
# of Low Triage visits	46,788	45,261	92,049	24,137	23,245	47,382	215	161	376	
Ratio of low to high Triage visits	0.70	0.52	0.60	0.69	0.58	0.63	0.95 (0.78-1.11)	0.63 (0.52-0.75)	0.78 (0.68-0.88)	1.30 H
% of all ED visits that are Low Triage	41.0	34.2	37.4	40.7	36.4	38.5	48.6 (39.6-57.7)	38.8 (31.1-46.5)	43.9 (38.0-49.8)	1.17 H
<b>Population Age 45-64</b>										
# of ED visits	88,281	89,222	177,503	45,062	40,194	85,256	410	463	873	
# of Low Triage visits	27,429	27,774	55,203	13,968	12,762	26,730	146	138	284	
Ratio of low to high Triage visits	0.45	0.46	0.45	0.45	0.47	0.46	0.56 (0.45-0.67)	0.43 (0.35-0.51)	0.49 (0.42-0.55)	1.07 NS
% of all ED visits that are Low Triage	31.1	31.1	31.1	31.0	31.8	31.4	35.6 (28.4-42.8)	29.8 (23.9-35.7)	32.5 (27.9-37.1)	1.05 NS

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\* Estimates based on fewer than 20 events are likely to be unstable and imprecise.

\*\* Rate ratios for both sexes were created by dividing the local area statistic by the City of Toronto statistic.

<sup>a</sup> Low triage was defined as Canadian Triage and Acuity Scale (CTAS) levels 4 and 5 excluding those who were subsequently admitted to hospital.

<sup>±</sup> All unscheduled ED visits. Data source: National Ambulatory Care Reporting System (NACRS), Canadian Institute for Health Information (CIHI).

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<b>Low Triage <sup>a</sup></b>										
<b>Emergency Department (ED) visits (2009) <sup>±</sup></b>										
<b>Population Age 65-74</b>										
# of ED visits	28,857	32,242	61,099	12,838	13,486	26,324	159	159	318	
# of Low Triage visits	6,215	7,807	14,022	2,844	3,278	6,122	40	40	80	
Ratio of low to high Triage visits	0.28	0.32	0.30	0.29	0.33	0.31	0.34 (0.22-0.45)	0.34 (0.23-0.46)	0.34 (0.26-0.42)	1.13 NS
% of all ED visits that are Low Triage	21.5	24.2	22.9	22.2	24.3	23.3	25.2 (16.1-34.2)	25.2 (16.1-34.2)	25.2 (18.8-31.5)	1.10 NS
<b>Population Age 75+</b>										
# of ED visits	43,187	61,793	104,980	17,504	25,792	43,296	185	171	356	
# of Low Triage visits	6,727	9,938	16,665	2,680	4,038	6,718	38	38	76	
Ratio of low to high Triage visits	0.19	0.19	0.19	0.18	0.19	0.19	0.26 (0.18-0.34)	0.29 (0.20-0.39)	0.28 (0.21-0.34)	1.44 H
% of all ED visits that are Low Triage	15.6	16.1	15.9	15.3	15.7	15.5	20.5 (13.2-27.9)	22.2 (14.2-30.2)	21.3 (15.9-26.8)	1.34 H
<b>Total Population</b>										
# of ED visits	362,166	387,652	749,818	170,548	173,142	343,690	1,693	1,567	3,260	
# of Low Triage visits	119,614	116,846	236,460	56,561	54,155	110,716	638	510	1,148	
Ratio of low to high Triage visits	0.50	0.44	0.47	0.50	0.46	0.48	0.61 (0.55-0.67)	0.49 (0.44-0.54)	0.55 (0.51-0.59)	1.18 H
Age-Adjusted ratio of low to high Triage visits <sup>‡</sup>	0.61	0.51	0.55	0.60	0.53	0.56	0.81 (0.70-0.92)	0.57 (0.50-0.63)	0.67 (0.61-0.72)	1.21 H
% of all ED visits that are Low Triage	33.0	30.1	31.5	33.2	31.3	32.2	37.7 (34.0-41.4)	32.5 (29.1-36.0)	35.2 (32.7-37.7)	1.12 H
Age-Adjusted % of all ED visits that are Low Triage <sup>†</sup>	36.3	33.2	34.6	36.2	33.9	34.9	42.5 (38.2-46.7)	35.1 (31.5-38.8)	38.6 (35.8-41.3)	1.11 H

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<sup>‡</sup> Ratios of low to high Triage visits are age-adjusted using the 1991 Canada population as the standard population.

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