

## N24 – Black Creek Profile: Emergency Department Care

Indicators	City of Toronto			Toronto Central LHIN			Black Creek			
	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	920	895	1,815	
Total Population Age 5-19	215,715	203,795	419,510	81,570	77,890	159,460	2,600	2,510	5,110	
Total Population Age 20-44	471,380	497,960	969,340	224,185	231,545	455,730	3,790	4,325	8,115	
Total Population Age 45-64	294,840	322,830	617,670	130,750	138,995	269,745	2,045	2,345	4,390	
<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	509	452	961	
Rate of ED visits per 1,000 population per year	537.9	439.7	490.0	523.8	431.5	478.7	553.3 (521.1-585.4)	505.0 (472.3-537.8)	529.5 (506.5-552.4)	1.08 H
% of the population with one or more ED visits per year	34.1	29.2	31.7	33.2	28.6	31.0	35.0 (30.3-39.7)	30.4 (26.1-34.7)	32.7 (29.5-35.9)	1.03 NS
<b>Population Age 5-19</b>										
# of ED visits	50,769	43,276	94,045	20,649	17,985	38,634	639	549	1,188	
Rate of ED visits per 1,000 population per year	235.4	212.4	224.2	253.1	230.9	242.3	245.8 (229.2-262.3)	218.7 (202.6-234.9)	232.5 (220.9-244.1)	1.04 NS
% of the population with one or more ED visits per year	17.3	15.0	16.2	18.3	15.8	17.1	17.4 (15.7-19.2)	14.4 (12.8-16.0)	15.9 (14.8-17.1)	0.99 NS
<b>Population Age 20-44</b>										
# of ED visits	114,073	132,273	246,346	59,363	63,776	123,139	978	1,523	2,501	
Rate of ED visits per 1,000 population per year	242.0	265.6	254.1	264.8	275.4	270.2	258.0 (244.1-272.0)	352.1 (337.9-366.4)	308.2 (298.1-318.2)	1.21 H
% of the population with one or more ED visits per year	15.6	16.9	16.3	16.3	17.3	16.8	17.2 (15.7-18.6)	21.0 (19.4-22.5)	19.2 (18.1-20.3)	1.18 H
<b>Population Age 45-64</b>										
# of ED visits	88,281	89,222	177,503	45,062	40,194	85,256	719	771	1,490	
Rate of ED visits per 1,000 population per year	299.4	276.4	287.4	344.6	289.2	316.1	351.6 (330.9-372.3)	328.8 (309.8-347.8)	339.4 (325.4-353.4)	1.18 H
% of the population with one or more ED visits per year	17.8	17.6	17.7	18.9	17.6	18.2	21.0 (18.8-23.3)	20.1 (18.1-22.1)	20.5 (19.0-22.0)	1.16 H

**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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	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 65-74	80,785	98,145	178,930	31,755	38,280	70,035	645	750	1,395	
Total Population Age 75+	68,060	104,610	172,670	26,385	43,330	69,715	390	475	865	
Total Population	1,199,560	1,292,940	2,492,500	523,535	557,640	1,081,175	10,390	11,300	21,690	
<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	276	314	590	
Rate of ED visits per 1,000 population per year	357.2	328.5	341.5	404.3	352.3	375.9	427.9 (389.7-466.1)	418.7 (383.4-454.0)	422.9 (397.0-448.9)	1.24 H
% of the population with one or more ED visits per year	20.7	20.1	20.4	22.4	21.0	21.7	23.1 (18.9-27.3)	25.2 (21.0-29.4)	24.2 (21.3-27.2)	1.19 H
<b>Population Age 75+</b>										
# of ED visits	43,187	61,793	104,980	17,504	25,792	43,296	374	412	786	
Rate of ED visits per 1,000 population per year	634.5	590.7	608.0	663.4	595.2	621.0	959.0 (939.3-978.7)	867.4 (836.9-897.9)	908.7 (889.5-927.9)	1.49 H
% of the population with one or more ED visits per year	34.1	33.4	33.7	34.8	33.1	33.7	44.9 (35.9-53.8)	45.5 (37.3-53.7)	45.2 (39.1-51.3)	1.34 H
<b>Total Population</b>										
# of ED visits	362,166	387,652	749,818	170,548	173,142	343,690	3,495	4,021	7,516	
Rate of ED visits per 1,000 population per year	301.9	299.8	300.8	325.8	310.5	317.9	336.4 (322.7-350.1)	355.8 (342.1-369.5)	346.5 (336.8-356.2)	1.15 H
Age-Adjusted rate of visits per 1,000 †	293.9	292.3	293.1	319.1	303.5	311.2	331.4 (322.4-340.3)	367.3 (358.5-376.1)	349.5 (343.2-355.8)	1.19 H
% of the population with one or more ED visits per year	18.9	19.0	18.9	19.5	19.2	19.3	21.0 (20.4-22.4)	21.4 (20.0-22.0)	21.2 (20.5-21.9)	1.12 H
Age-Adjusted % of the population with an ED visit †	19.2	19.3	19.2	19.0	19.5	19.3	20.7 (19.9-21.5)	21.9 (21.2-22.7)	21.4 (20.8-21.9)	1.11 H

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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	509	452	961	
# of Low Triage visits	10,135	8,471	18,606	4,310	3,726	8,036	106	93	199	
Ratio of low to high Triage visits	0.38	0.42	0.40	0.41	0.46	0.43	0.27 (0.21-0.32)	0.26 (0.21-0.31)	0.26 (0.23-0.30)	0.66 L
% of all ED visits that are Low Triage	27.4	29.4	28.3	28.5	31.3	29.7	20.8 (16.4-25.3)	20.6 (15.9-25.3)	20.7 (17.5-23.9)	0.73 L
<b>Population Age 5-19</b>										
# of ED visits	50,769	43,276	94,045	20,649	17,985	38,634	639	549	1,188	
# of Low Triage visits	22,320	17,595	39,915	8,622	7,106	15,728	255	178	433	
Ratio of low to high Triage visits	0.79	0.69	0.75	0.73	0.66	0.70	0.67 (0.57-0.77)	0.48 (0.40-0.56)	0.58 (0.51-0.64)	0.77 L
% of all ED visits that are Low Triage	44.0	40.7	42.4	41.8	39.5	40.7	39.9 (33.6-46.2)	32.4 (26.6-38.2)	36.4 (32.1-40.8)	0.86 L
<b>Population Age 20-44</b>										
# of ED visits	114,073	132,273	246,346	59,363	63,776	123,139	978	1,523	2,501	
# of Low Triage visits	46,788	45,261	92,049	24,137	23,245	47,382	355	381	736	
Ratio of low to high Triage visits	0.70	0.52	0.60	0.69	0.58	0.63	0.57 (0.50-0.64)	0.33 (0.30-0.37)	0.42 (0.38-0.45)	0.69 L
% of all ED visits that are Low Triage	41.0	34.2	37.4	40.7	36.4	38.5	36.3 (31.6-41.0)	25.0 (22.1-27.9)	29.4 (26.9-32.0)	0.79 L
<b>Population Age 45-64</b>										
# of ED visits	88,281	89,222	177,503	45,062	40,194	85,256	719	771	1,490	
# of Low Triage visits	27,429	27,774	55,203	13,968	12,762	26,730	200	176	376	
Ratio of low to high Triage visits	0.45	0.46	0.45	0.45	0.47	0.46	0.39 (0.33-0.45)	0.30 (0.25-0.34)	0.34 (0.30-0.38)	0.75 L
% of all ED visits that are Low Triage	31.1	31.1	31.1	31.0	31.8	31.4	27.8 (23.3-32.4)	22.8 (19.0-26.7)	25.2 (22.3-28.2)	0.81 L

**CI** Confidence Interval.

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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.

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

**±** 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	276	314	590	
# of Low Triage visits	6,215	7,807	14,022	2,844	3,278	6,122	39	67	106	
Ratio of low to high Triage visits	0.28	0.32	0.30	0.29	0.33	0.31	0.17 (0.11-0.22)	0.27 (0.20-0.34)	0.22 (0.18-0.26)	0.73 L
% of all ED visits that are Low Triage	21.5	24.2	22.9	22.2	24.3	23.3	14.1 (9.3-18.9)	21.3 (15.6-27.1)	18.0 (14.2-21.7)	0.78 L
<b>Population Age 75+</b>										
# of ED visits	43,187	61,793	104,980	17,504	25,792	43,296	374	412	786	
# of Low Triage visits	6,727	9,938	16,665	2,680	4,038	6,718	38	55	93	
Ratio of low to high Triage visits	0.19	0.19	0.19	0.18	0.19	0.19	0.11 (0.08-0.15)	0.15 (0.12-0.19)	0.13 (0.11-0.16)	0.70 L
% of all ED visits that are Low Triage	15.6	16.1	15.9	15.3	15.7	15.5	10.2 (6.8-13.6)	13.3 (9.6-17.1)	11.8 (9.3-14.4)	0.75 L
<b>Total Population</b>										
# of ED visits	362,166	387,652	749,818	170,548	173,142	343,690	3,495	4,021	7,516	
# of Low Triage visits	119,614	116,846	236,460	56,561	54,155	110,716	993	950	1,943	
Ratio of low to high Triage visits	0.50	0.44	0.47	0.50	0.46	0.48	0.40 (0.37-0.43)	0.31 (0.29-0.33)	0.35 (0.33-0.37)	0.75 L
Age-Adjusted ratio of low to high Triage visits <sup>‡</sup>	0.61	0.51	0.55	0.60	0.53	0.56	0.50 (0.46-0.54)	0.35 (0.32-0.38)	0.40 (0.38-0.42)	0.73 L
% of all ED visits that are Low Triage	33.0	30.1	31.5	33.2	31.3	32.2	28.4 (26.3-30.5)	23.6 (21.9-25.3)	25.9 (24.5-27.2)	0.82 L
Age-Adjusted % of all ED visits that are Low Triage <sup>†</sup>	36.3	33.2	34.6	36.2	33.9	34.9	32.2 (29.9-34.5)	25.3 (23.5-27.1)	28.0 (26.6-29.4)	0.81 L

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