

N29 – Maple Leaf Profile: Emergency Department Care

Indicators	City of Toronto			Toronto Central LHIN			Maple Leaf			
	Males	Females	Both sexes	Males	Females	Both sexes	Males (95% CI)	Females (95% CI)	Both sexes (95% CI)	Rate Ratio**
Demographics ***										
Total Population Age 0-4	68,780	65,600	134,380	28,890	27,600	56,490	280	260	540	
Total Population Age 5-19	215,715	203,795	419,510	81,570	77,890	159,460	855	800	1,655	
Total Population Age 20-44	471,380	497,960	969,340	224,185	231,545	455,730	1,845	1,855	3,700	
Total Population Age 45-64	294,840	322,830	617,670	130,750	138,995	269,745	1,055	1,135	2,190	
All Emergency Department (ED) visits (2009) ±										
Population Age 0-4										
# of ED visits	36,999	28,846	65,845	15,132	11,909	27,041	167	103	270	
Rate of ED visits per 1,000 population per year	537.9	439.7	490.0	523.8	431.5	478.7	596.4 (539.0-653.9)	396.2 (336.7-455.6)	500.0 (457.8-542.2)	1.02 NS
% of the population with one or more ED visits per year	34.1	29.2	31.7	33.2	28.6	31.0	38.6 (29.3-47.9)	26.9 (19.5-34.3)	33.0 (27.0-38.9)	1.04 NS
Population Age 5-19										
# of ED visits	50,769	43,276	94,045	20,649	17,985	38,634	191	118	309	
Rate of ED visits per 1,000 population per year	235.4	212.4	224.2	253.1	230.9	242.3	223.4 (195.5-251.3)	147.5 (122.9-172.1)	186.7 (167.9-205.5)	0.83 L
% of the population with one or more ED visits per year	17.3	15.0	16.2	18.3	15.8	17.1	16.8 (13.8-19.9)	12.1 (9.6-14.7)	14.6 (12.6-16.6)	0.90 NS
Population Age 20-44										
# of ED visits	114,073	132,273	246,346	59,363	63,776	123,139	361	443	804	
Rate of ED visits per 1,000 population per year	242.0	265.6	254.1	264.8	275.4	270.2	195.7 (177.6-213.8)	238.8 (219.4-258.2)	217.3 (204.0-230.6)	0.86 L
% of the population with one or more ED visits per year	15.6	16.9	16.3	16.3	17.3	16.8	14.2 (12.3-16.1)	14.5 (12.6-16.4)	14.4 (13.0-15.7)	0.88 L
Population Age 45-64										
# of ED visits	88,281	89,222	177,503	45,062	40,194	85,256	325	311	636	
Rate of ED visits per 1,000 population per year	299.4	276.4	287.4	344.6	289.2	316.1	308.1 (280.2-335.9)	274.0 (248.1-300.0)	290.4 (271.4-309.4)	1.01 NS
% of the population with one or more ED visits per year	17.8	17.6	17.7	18.9	17.6	18.2	20.4 (17.3-23.4)	19.6 (16.8-22.5)	20.0 (17.9-22.1)	1.13 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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Demographics ***										
Total Population Age 65-74	80,785	98,145	178,930	31,755	38,280	70,035	515	630	1,145	
Total Population Age 75+	68,060	104,610	172,670	26,385	43,330	69,715	490	555	1,045	
Total Population	1,199,560	1,292,940	2,492,500	523,535	557,640	1,081,175	5,040	5,235	10,275	
All Emergency Department (ED) visits (2009) ±										
Population Age 65-74										
# of ED visits	28,857	32,242	61,099	12,838	13,486	26,324	157	148	305	
Rate of ED visits per 1,000 population per year	357.2	328.5	341.5	404.3	352.3	375.9	304.9 (265.1-344.6)	234.9 (201.8-268.0)	266.4 (240.8-292.0)	0.78 L
% of the population with one or more ED visits per year	20.7	20.1	20.4	22.4	21.0	21.7	17.9 (13.8-21.9)	15.4 (12.1-18.7)	16.5 (13.9-19.1)	0.81 L
Population Age 75+										
# of ED visits	43,187	61,793	104,980	17,504	25,792	43,296	260	290	550	
Rate of ED visits per 1,000 population per year	634.5	590.7	608.0	663.4	595.2	621.0	530.6 (486.4-574.8)	522.5 (481.0-564.1)	526.3 (496.0-556.6)	0.87 L
% of the population with one or more ED visits per year	34.1	33.4	33.7	34.8	33.1	33.7	28.8 (23.1-34.4)	31.7 (26.0-37.4)	30.3 (26.3-34.3)	0.90 NS
Total Population										
# of ED visits	362,166	387,652	749,818	170,548	173,142	343,690	1,461	1,413	2,874	
Rate of ED visits per 1,000 population per year	301.9	299.8	300.8	325.8	310.5	317.9	289.9 (272.2-307.5)	269.9 (253.4-286.4)	279.7 (267.7-291.8)	0.93 L
Age-Adjusted rate of visits per 1,000 †	293.9	292.3	293.1	319.1	303.5	311.2	270.7 (258.5-283.0)	254.7 (242.8-266.5)	262.6 (254.1-271.2)	0.90 L
% of the population with one or more ED visits per year	18.9	19.0	18.9	19.5	19.2	19.3	19.1 (16.5-19.1)	17.8 (17.7-20.4)	18.4 (17.5-19.4)	0.97 NS
Age-Adjusted % of the population with an ED visit †	19.2	19.3	19.2	19.0	19.5	19.3	18.5 (17.4-19.6)	17.0 (16.0-18.0)	17.7 (17.0-18.5)	0.92 L

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† 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**
Low Triage ^a Emergency Department (ED) visits (2009) [±]										
Population Age 0-4										
# of ED visits	36,999	28,846	65,845	15,132	11,909	27,041	167	103	270	
# of Low Triage visits	10,135	8,471	18,606	4,310	3,726	8,036	46	26	72	
Ratio of low to high Triage visits	0.38	0.42	0.40	0.41	0.46	0.43	0.38 (0.27-0.49)	0.34 (0.20-0.48)	0.36 (0.28-0.45)	0.91 NS
% of all ED visits that are Low Triage	27.4	29.4	28.3	28.5	31.3	29.7	27.5 (18.2-36.9)	25.2 (14.0-36.5)	26.7 (19.5-33.9)	0.94 NS
Population Age 5-19										
# of ED visits	50,769	43,276	94,045	20,649	17,985	38,634	191	118	309	
# of Low Triage visits	22,320	17,595	39,915	8,622	7,106	15,728	65	41	106	
Ratio of low to high Triage visits	0.79	0.69	0.75	0.73	0.66	0.70	0.52 (0.37-0.67)	0.53 (0.34-0.73)	0.53 (0.41-0.65)	0.71 L
% of all ED visits that are Low Triage	44.0	40.7	42.4	41.8	39.5	40.7	34.0 (23.8-44.2)	34.7 (21.6-47.9)	34.3 (26.2-42.4)	0.81 L
Population Age 20-44										
# of ED visits	114,073	132,273	246,346	59,363	63,776	123,139	361	443	804	
# of Low Triage visits	46,788	45,261	92,049	24,137	23,245	47,382	128	98	226	
Ratio of low to high Triage visits	0.70	0.52	0.60	0.69	0.58	0.63	0.56 (0.44-0.67)	0.28 (0.22-0.35)	0.39 (0.34-0.45)	0.65 L
% of all ED visits that are Low Triage	41.0	34.2	37.4	40.7	36.4	38.5	35.5 (27.8-43.1)	22.1 (17.2-27.1)	28.1 (23.8-32.4)	0.75 L
Population Age 45-64										
# of ED visits	88,281	89,222	177,503	45,062	40,194	85,256	325	311	636	
# of Low Triage visits	27,429	27,774	55,203	13,968	12,762	26,730	81	79	160	
Ratio of low to high Triage visits	0.45	0.46	0.45	0.45	0.47	0.46	0.33 (0.25-0.41)	0.35 (0.26-0.43)	0.34 (0.28-0.40)	0.75 L
% of all ED visits that are Low Triage	31.1	31.1	31.1	31.0	31.8	31.4	24.9 (18.7-31.2)	25.4 (18.9-31.9)	25.2 (20.7-29.7)	0.81 L

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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.

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Low Triage ^a										
Emergency Department (ED) visits (2009) [±]										
Population Age 65-74										
# of ED visits	28,857	32,242	61,099	12,838	13,486	26,324	157	148	305	
# of Low Triage visits	6,215	7,807	14,022	2,844	3,278	6,122	20	30	50	
Ratio of low to high Triage visits	0.28	0.32	0.30	0.29	0.33	0.31	0.15 (0.08-0.21)	0.25 (0.16-0.35)	0.20 (0.14-0.25)	0.65 L
% of all ED visits that are Low Triage	21.5	24.2	22.9	22.2	24.3	23.3	12.7 (6.8-18.7)	20.3 (12.1-28.4)	16.4 (11.4-21.4)	0.71 L
Population Age 75+										
# of ED visits	43,187	61,793	104,980	17,504	25,792	43,296	260	290	550	
# of Low Triage visits	6,727	9,938	16,665	2,680	4,038	6,718	31	25	56	
Ratio of low to high Triage visits	0.19	0.19	0.19	0.18	0.19	0.19	0.14 (0.09-0.18)	0.09 (0.06-0.13)	0.11 (0.08-0.14)	0.59 L
% of all ED visits that are Low Triage	15.6	16.1	15.9	15.3	15.7	15.5	11.9 (7.5-16.4)	8.6 (5.1-12.2)	10.2 (7.4-13.0)	0.64 L
Total Population										
# of ED visits	362,166	387,652	749,818	170,548	173,142	343,690	1,461	1,413	2,874	
# of Low Triage visits	119,614	116,846	236,460	56,561	54,155	110,716	371	299	670	
Ratio of low to high Triage visits	0.50	0.44	0.47	0.50	0.46	0.48	0.34 (0.30-0.38)	0.27 (0.24-0.30)	0.31 (0.28-0.33)	0.66 L
Age-Adjusted ratio of low to high Triage visits [‡]	0.61	0.51	0.55	0.60	0.53	0.56	0.46 (0.39-0.52)	0.34 (0.29-0.40)	0.39 (0.35-0.43)	0.70 L
% of all ED visits that are Low Triage	33.0	30.1	31.5	33.2	31.3	32.2	25.4 (22.4-28.4)	21.2 (18.5-23.9)	23.3 (21.3-25.3)	0.74 L
Age-Adjusted % of all ED visits that are Low Triage [†]	36.3	33.2	34.6	36.2	33.9	34.9	30.3 (26.6-34.1)	24.6 (21.2-28.1)	27.2 (24.8-29.7)	0.79 L

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[‡] Ratios of low to high Triage visits are age-adjusted using the 1991 Canada population as the standard population.

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