

## N132 – Malvern Profile: Emergency Department Care

Indicators	City of Toronto			Toronto Central LHIN			Malvern			
	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	1,550	1,590	3,140	
Total Population Age 5-19	215,715	203,795	419,510	81,570	77,890	159,460	5,160	4,880	10,040	
Total Population Age 20-44	471,380	497,960	969,340	224,185	231,545	455,730	7,810	8,780	16,590	
Total Population Age 45-64	294,840	322,830	617,670	130,750	138,995	269,745	5,060	5,715	10,775	
<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	806	570	1,376	
Rate of ED visits per 1,000 population per year	537.9	439.7	490.0	523.8	431.5	478.7	520.0 (495.1-544.9)	358.5 (334.9-382.1)	438.2 (420.9-455.6)	0.89 L
% of the population with one or more ED visits per year	34.1	29.2	31.7	33.2	28.6	31.0	34.0 (30.4-37.6)	24.4 (21.6-27.2)	29.1 (26.9-31.4)	0.92 L
<b>Population Age 5-19</b>										
# of ED visits	50,769	43,276	94,045	20,649	17,985	38,634	960	841	1,801	
Rate of ED visits per 1,000 population per year	235.4	212.4	224.2	253.1	230.9	242.3	186.0 (175.4-196.7)	172.3 (161.7-182.9)	179.4 (171.9-186.9)	0.80 L
% of the population with one or more ED visits per year	17.3	15.0	16.2	18.3	15.8	17.1	14.4 (13.3-15.5)	13.1 (12.0-14.2)	13.8 (13.0-14.6)	0.85 L
<b>Population Age 20-44</b>										
# of ED visits	114,073	132,273	246,346	59,363	63,776	123,139	1,691	2,100	3,791	
Rate of ED visits per 1,000 population per year	242.0	265.6	254.1	264.8	275.4	270.2	216.5 (207.4-225.7)	239.2 (230.3-248.1)	228.5 (222.1-234.9)	0.90 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 (13.3-15.1)	16.0 (15.1-16.9)	15.2 (14.5-15.8)	0.93 L
<b>Population Age 45-64</b>										
# of ED visits	88,281	89,222	177,503	45,062	40,194	85,256	1,167	1,503	2,670	
Rate of ED visits per 1,000 population per year	299.4	276.4	287.4	344.6	289.2	316.1	230.6 (219.0-242.2)	263.0 (251.6-274.4)	247.8 (239.6-255.9)	0.86 L
% of the population with one or more ED visits per year	17.8	17.6	17.7	18.9	17.6	18.2	16.2 (15.0-17.4)	17.4 (16.2-18.6)	16.8 (16.0-17.7)	0.95 NS

**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	1,130	1,265	2,395	
Total Population Age 75+	68,060	104,610	172,670	26,385	43,330	69,715	555	705	1,260	
Total Population	1,199,560	1,292,940	2,492,500	523,535	557,640	1,081,175	21,265	22,935	44,200	
<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	352	440	792	
Rate of ED visits per 1,000 population per year	357.2	328.5	341.5	404.3	352.3	375.9	311.5 (284.5-338.5)	347.8 (321.6-374.1)	330.7 (311.8-349.5)	0.97 NS
% of the population with one or more ED visits per year	20.7	20.1	20.4	22.4	21.0	21.7	20.8 (17.8-23.8)	21.7 (18.8-24.6)	21.3 (19.2-23.3)	1.04 NS
<b>Population Age 75+</b>										
# of ED visits	43,187	61,793	104,980	17,504	25,792	43,296	260	367	627	
Rate of ED visits per 1,000 population per year	634.5	590.7	608.0	663.4	595.2	621.0	468.5 (427.0-510.0)	520.6 (483.7-557.4)	497.6 (470.0-525.2)	0.82 L
% of the population with one or more ED visits per year	34.1	33.4	33.7	34.8	33.1	33.7	28.6 (23.4-33.9)	34.0 (28.7-39.3)	31.7 (27.9-35.4)	0.94 NS
<b>Total Population</b>										
# of ED visits	362,166	387,652	749,818	170,548	173,142	343,690	5,236	5,821	11,057	
Rate of ED visits per 1,000 population per year	301.9	299.8	300.8	325.8	310.5	317.9	246.2 (238.5-253.9)	253.8 (246.3-261.4)	250.2 (244.8-255.5)	0.83 L
Age-Adjusted rate of visits per 1,000 †	293.9	292.3	293.1	319.1	303.5	311.2	249.9 (244.1-255.7)	265.0 (259.2-270.8)	257.5 (253.4-261.6)	0.88 L
% of the population with one or more ED visits per year	18.9	19.0	18.9	19.5	19.2	19.3	16.9 (16.6-17.8)	17.2 (16.3-17.5)	17.1 (16.6-17.5)	0.90 L
Age-Adjusted % of the population with an ED visit †	19.2	19.3	19.2	19.0	19.5	19.3	17.1 (16.5-17.6)	17.9 (17.4-18.4)	17.5 (17.1-17.8)	0.91 L

**CI** Confidence Interval.

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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).

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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	806	570	1,376	
# of Low Triage visits	10,135	8,471	18,606	4,310	3,726	8,036	238	192	430	
Ratio of low to high Triage visits	0.38	0.42	0.40	0.41	0.46	0.43	0.42 (0.37-0.48)	0.51 (0.43-0.59)	0.46 (0.41-0.51)	1.15 H
% of all ED visits that are Low Triage	27.4	29.4	28.3	28.5	31.3	29.7	29.5 (25.1-34.0)	33.7 (27.8-39.5)	31.3 (27.7-34.8)	1.11 NS
<b>Population Age 5-19</b>										
# of ED visits	50,769	43,276	94,045	20,649	17,985	38,634	960	841	1,801	
# of Low Triage visits	22,320	17,595	39,915	8,622	7,106	15,728	459	358	817	
Ratio of low to high Triage visits	0.79	0.69	0.75	0.73	0.66	0.70	0.92 (0.81-1.03)	0.75 (0.65-0.84)	0.84 (0.76-0.91)	1.12 H
% of all ED visits that are Low Triage	44.0	40.7	42.4	41.8	39.5	40.7	47.8 (41.8-53.9)	42.6 (36.7-48.4)	45.4 (41.2-49.6)	1.07 NS
<b>Population Age 20-44</b>										
# of ED visits	114,073	132,273	246,346	59,363	63,776	123,139	1,691	2,100	3,791	
# of Low Triage visits	46,788	45,261	92,049	24,137	23,245	47,382	697	697	1,394	
Ratio of low to high Triage visits	0.70	0.52	0.60	0.69	0.58	0.63	0.71 (0.64-0.77)	0.50 (0.46-0.54)	0.59 (0.55-0.62)	0.97 NS
% of all ED visits that are Low Triage	41.0	34.2	37.4	40.7	36.4	38.5	41.2 (37.2-45.2)	33.2 (30.2-36.2)	36.8 (34.3-39.2)	0.98 NS
<b>Population Age 45-64</b>										
# of ED visits	88,281	89,222	177,503	45,062	40,194	85,256	1,167	1,503	2,670	
# of Low Triage visits	27,429	27,774	55,203	13,968	12,762	26,730	377	483	860	
Ratio of low to high Triage visits	0.45	0.46	0.45	0.45	0.47	0.46	0.48 (0.43-0.54)	0.48 (0.43-0.52)	0.48 (0.44-0.52)	1.05 NS
% of all ED visits that are Low Triage	31.1	31.1	31.1	31.0	31.8	31.4	32.3 (28.3-36.3)	32.1 (28.7-35.6)	32.2 (29.6-34.8)	1.04 NS

**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> 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	352	440	792	
# of Low Triage visits	6,215	7,807	14,022	2,844	3,278	6,122	66	97	163	
Ratio of low to high Triage visits	0.28	0.32	0.30	0.29	0.33	0.31	0.24 (0.18-0.30)	0.29 (0.23-0.35)	0.27 (0.22-0.31)	0.88 NS
% of all ED visits that are Low Triage	21.5	24.2	22.9	22.2	24.3	23.3	18.8 (13.7-23.8)	22.0 (17.1-27.0)	20.6 (17.0-24.1)	0.90 NS
<b>Population Age 75+</b>										
# of ED visits	43,187	61,793	104,980	17,504	25,792	43,296	260	367	627	
# of Low Triage visits	6,727	9,938	16,665	2,680	4,038	6,718	45	60	105	
Ratio of low to high Triage visits	0.19	0.19	0.19	0.18	0.19	0.19	0.21 (0.15-0.28)	0.20 (0.15-0.25)	0.21 (0.17-0.25)	1.07 NS
% of all ED visits that are Low Triage	15.6	16.1	15.9	15.3	15.7	15.5	17.3 (11.7-22.9)	16.3 (11.8-20.9)	16.7 (13.2-20.3)	1.05 NS
<b>Total Population</b>										
# of ED visits	362,166	387,652	749,818	170,548	173,142	343,690	5,236	5,821	11,057	
# of Low Triage visits	119,614	116,846	236,460	56,561	54,155	110,716	1,882	1,887	3,769	
Ratio of low to high Triage visits	0.50	0.44	0.47	0.50	0.46	0.48	0.57 (0.54-0.60)	0.48 (0.46-0.51)	0.52 (0.50-0.54)	1.12 H
Age-Adjusted ratio of low to high Triage visits ‡	0.61	0.51	0.55	0.60	0.53	0.56	0.65 (0.61-0.69)	0.51 (0.48-0.54)	0.57 (0.55-0.59)	1.03 NS
% of all ED visits that are Low Triage	33.0	30.1	31.5	33.2	31.3	32.2	35.9 (33.9-38.0)	32.4 (30.6-34.2)	34.1 (32.7-35.4)	1.08 H
Age-Adjusted % of all ED visits that are Low Triage †	36.3	33.2	34.6	36.2	33.9	34.9	38.0 (36.0-40.0)	33.1 (31.4-34.7)	35.2 (34.0-36.5)	1.02 NS

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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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