

N125 – Ionview Profile: Emergency Department Care

Indicators	City of Toronto			Toronto Central LHIN			Ionview			
	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	395	430	825	
Total Population Age 5-19	215,715	203,795	419,510	81,570	77,890	159,460	1,185	1,080	2,265	
Total Population Age 20-44	471,380	497,960	969,340	224,185	231,545	455,730	2,475	2,680	5,155	
Total Population Age 45-64	294,840	322,830	617,670	130,750	138,995	269,745	1,520	1,670	3,190	
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	218	162	380	
Rate of ED visits per 1,000 population per year	537.9	439.7	490.0	523.8	431.5	478.7	551.9 (502.9-600.9)	376.7 (330.9-422.5)	460.6 (426.6-494.6)	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	35.9 (28.6-43.3)	24.2 (18.8-29.5)	29.8 (25.4-34.3)	0.94 NS
Population Age 5-19										
# of ED visits	50,769	43,276	94,045	20,649	17,985	38,634	252	196	448	
Rate of ED visits per 1,000 population per year	235.4	212.4	224.2	253.1	230.9	242.3	212.7 (189.4-236.0)	181.5 (158.5-204.5)	197.8 (181.4-214.2)	0.88 L
% of the population with one or more ED visits per year	17.3	15.0	16.2	18.3	15.8	17.1	16.5 (13.9-19.0)	13.8 (11.4-16.2)	15.2 (13.4-16.9)	0.94 NS
Population Age 20-44										
# of ED visits	114,073	132,273	246,346	59,363	63,776	123,139	523	659	1,182	
Rate of ED visits per 1,000 population per year	242.0	265.6	254.1	264.8	275.4	270.2	211.3 (195.2-227.4)	245.9 (229.6-262.2)	229.3 (217.8-240.8)	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	14.9 (13.2-16.5)	15.6 (14.0-17.3)	15.3 (14.1-16.4)	0.94 NS
Population Age 45-64										
# of ED visits	88,281	89,222	177,503	45,062	40,194	85,256	473	461	934	
Rate of ED visits per 1,000 population per year	299.4	276.4	287.4	344.6	289.2	316.1	311.2 (287.9-334.5)	276.0 (254.6-297.5)	292.8 (277.0-308.6)	1.02 NS
% of the population with one or more ED visits per year	17.8	17.6	17.7	18.9	17.6	18.2	19.5 (17.0-21.9)	17.5 (15.3-19.8)	18.5 (16.8-20.1)	1.04 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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Demographics ***										
Total Population Age 65-74	80,785	98,145	178,930	31,755	38,280	70,035	380	510	890	
Total Population Age 75+	68,060	104,610	172,670	26,385	43,330	69,715	275	410	685	
Total Population	1,199,560	1,292,940	2,492,500	523,535	557,640	1,081,175	6,230	6,780	13,010	
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	165	145	310	
Rate of ED visits per 1,000 population per year	357.2	328.5	341.5	404.3	352.3	375.9	434.2 (384.4-484.0)	284.3 (245.2-323.5)	348.3 (317.0-379.6)	1.02 NS
% of the population with one or more ED visits per year	20.7	20.1	20.4	22.4	21.0	21.7	22.9 (17.4-28.4)	18.4 (14.3-22.6)	20.3 (17.0-23.7)	1.00 NS
Population Age 75+										
# of ED visits	43,187	61,793	104,980	17,504	25,792	43,296	155	232	387	
Rate of ED visits per 1,000 population per year	634.5	590.7	608.0	663.4	595.2	621.0	563.6 (505.0-622.3)	565.9 (517.9-613.8)	565.0 (527.8-602.1)	0.93 L
% of the population with one or more ED visits per year	34.1	33.4	33.7	34.8	33.1	33.7	33.5 (25.1-41.8)	32.7 (25.9-39.4)	33.0 (27.7-38.2)	0.98 NS
Total Population										
# of ED visits	362,166	387,652	749,818	170,548	173,142	343,690	1,786	1,855	3,641	
Rate of ED visits per 1,000 population per year	301.9	299.8	300.8	325.8	310.5	317.9	286.7 (270.9-302.4)	273.6 (259.0-288.2)	279.9 (269.1-290.6)	0.93 L
Age-Adjusted rate of visits per 1,000 †	293.9	292.3	293.1	319.1	303.5	311.2	285.2 (274.1-296.2)	272.0 (261.7-282.3)	278.5 (271.0-286.1)	0.95 L
% of the population with one or more ED visits per year	18.9	19.0	18.9	19.5	19.2	19.3	18.9 (16.5-18.7)	17.6 (17.7-20.1)	18.2 (17.4-19.1)	0.96 NS
Age-Adjusted % of the population with an ED visit †	19.2	19.3	19.2	19.0	19.5	19.3	19.0 (18.1-20.0)	17.6 (16.7-18.5)	18.2 (17.5-18.9)	0.95 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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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	218	162	380	
# of Low Triage visits	10,135	8,471	18,606	4,310	3,726	8,036	64	67	131	
Ratio of low to high Triage visits	0.38	0.42	0.40	0.41	0.46	0.43	0.42 (0.31-0.52)	0.73 (0.52-0.94)	0.53 (0.43-0.63)	1.34 H
% of all ED visits that are Low Triage	27.4	29.4	28.3	28.5	31.3	29.7	29.4 (20.8-37.9)	41.4 (28.4-54.3)	34.5 (27.2-41.8)	1.22 NS
Population Age 5-19										
# of ED visits	50,769	43,276	94,045	20,649	17,985	38,634	252	196	448	
# of Low Triage visits	22,320	17,595	39,915	8,622	7,106	15,728	133	103	236	
Ratio of low to high Triage visits	0.79	0.69	0.75	0.73	0.66	0.70	1.13 (0.86-1.39)	1.11 (0.81-1.40)	1.12 (0.92-1.32)	1.50 H
% of all ED visits that are Low Triage	44.0	40.7	42.4	41.8	39.5	40.7	52.8 (39.7-65.8)	52.6 (37.8-67.3)	52.7 (42.9-62.4)	1.24 H
Population Age 20-44										
# of ED visits	114,073	132,273	246,346	59,363	63,776	123,139	523	659	1,182	
# of Low Triage visits	46,788	45,261	92,049	24,137	23,245	47,382	268	232	500	
Ratio of low to high Triage visits	0.70	0.52	0.60	0.69	0.58	0.63	1.06 (0.89-1.24)	0.55 (0.46-0.63)	0.74 (0.66-0.82)	1.23 H
% of all ED visits that are Low Triage	41.0	34.2	37.4	40.7	36.4	38.5	51.2 (42.5-60.0)	35.2 (29.6-40.8)	42.3 (37.4-47.2)	1.13 H
Population Age 45-64										
# of ED visits	88,281	89,222	177,503	45,062	40,194	85,256	473	461	934	
# of Low Triage visits	27,429	27,774	55,203	13,968	12,762	26,730	152	154	306	
Ratio of low to high Triage visits	0.45	0.46	0.45	0.45	0.47	0.46	0.48 (0.39-0.57)	0.50 (0.41-0.60)	0.49 (0.43-0.56)	1.08 NS
% of all ED visits that are Low Triage	31.1	31.1	31.1	31.0	31.8	31.4	32.1 (25.9-38.3)	33.4 (26.9-39.9)	32.8 (28.3-37.2)	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.

^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	165	145	310	
# of Low Triage visits	6,215	7,807	14,022	2,844	3,278	6,122	38	41	79	
Ratio of low to high Triage visits	0.28	0.32	0.30	0.29	0.33	0.31	0.30 (0.20-0.40)	0.40 (0.26-0.53)	0.34 (0.26-0.43)	1.15 NS
% of all ED visits that are Low Triage	21.5	24.2	22.9	22.2	24.3	23.3	23.0 (14.7-31.4)	28.3 (18.1-38.5)	25.5 (19.0-32.0)	1.11 NS
Population Age 75+										
# of ED visits	43,187	61,793	104,980	17,504	25,792	43,296	155	232	387	
# of Low Triage visits	6,727	9,938	16,665	2,680	4,038	6,718	29	50	79	
Ratio of low to high Triage visits	0.19	0.19	0.19	0.18	0.19	0.19	0.23 (0.15-0.32)	0.28 (0.20-0.36)	0.26 (0.20-0.32)	1.35 H
% of all ED visits that are Low Triage	15.6	16.1	15.9	15.3	15.7	15.5	18.7 (11.2-26.3)	21.6 (14.8-28.3)	20.4 (15.4-25.5)	1.29 NS
Total Population										
# of ED visits	362,166	387,652	749,818	170,548	173,142	343,690	1,786	1,855	3,641	
# of Low Triage visits	119,614	116,846	236,460	56,561	54,155	110,716	684	647	1,331	
Ratio of low to high Triage visits	0.50	0.44	0.47	0.50	0.46	0.48	0.63 (0.57-0.68)	0.54 (0.49-0.59)	0.58 (0.55-0.62)	1.25 H
Age-Adjusted ratio of low to high Triage visits [‡]	0.61	0.51	0.55	0.60	0.53	0.56	0.87 (0.77-0.98)	0.66 (0.58-0.74)	0.72 (0.66-0.78)	1.31 H
% of all ED visits that are Low Triage	33.0	30.1	31.5	33.2	31.3	32.2	38.3 (34.6-42.0)	34.9 (31.5-38.2)	36.6 (34.1-39.0)	1.16 H
Age-Adjusted % of all ED visits that are Low Triage [†]	36.3	33.2	34.6	36.2	33.9	34.9	43.2 (39.3-47.1)	37.8 (34.2-41.4)	40.0 (37.4-42.5)	1.15 H

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