

N9 – Edenbridge-Humber Valley Profile: Emergency Department Care

Indicators	City of Toronto			Toronto Central LHIN			Edenbridge-Humber Valley			
	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	320	280	600	
Total Population Age 5-19	215,715	203,795	419,510	81,570	77,890	159,460	1,325	1,325	2,650	
Total Population Age 20-44	471,380	497,960	969,340	224,185	231,545	455,730	2,265	2,465	4,730	
Total Population Age 45-64	294,840	322,830	617,670	130,750	138,995	269,745	1,895	2,150	4,045	
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	190	154	344	
Rate of ED visits per 1,000 population per year	537.9	439.7	490.0	523.8	431.5	478.7	593.8 (539.9-647.6)	550.0 (491.7-608.3)	573.3 (533.8-612.9)	1.17 H
% of the population with one or more ED visits per year	34.1	29.2	31.7	33.2	28.6	31.0	36.6 (28.2-44.9)	34.6 (26.1-43.2)	35.7 (29.7-41.6)	1.12 NS
Population Age 5-19										
# of ED visits	50,769	43,276	94,045	20,649	17,985	38,634	379	267	646	
Rate of ED visits per 1,000 population per year	235.4	212.4	224.2	253.1	230.9	242.3	286.0 (261.7-310.4)	201.5 (179.9-223.1)	243.8 (227.4-260.1)	1.09 H
% of the population with one or more ED visits per year	17.3	15.0	16.2	18.3	15.8	17.1	20.7 (17.9-23.4)	15.5 (13.2-17.9)	18.1 (16.3-19.9)	1.12 H
Population Age 20-44										
# of ED visits	114,073	132,273	246,346	59,363	63,776	123,139	562	661	1,223	
Rate of ED visits per 1,000 population per year	242.0	265.6	254.1	264.8	275.4	270.2	248.1 (230.3-265.9)	268.2 (250.7-285.6)	258.6 (246.1-271.0)	1.02 NS
% of the population with one or more ED visits per year	15.6	16.9	16.3	16.3	17.3	16.8	15.8 (14.0-17.6)	18.1 (16.2-19.9)	17.0 (15.7-18.3)	1.05 NS
Population Age 45-64										
# of ED visits	88,281	89,222	177,503	45,062	40,194	85,256	455	542	997	
Rate of ED visits per 1,000 population per year	299.4	276.4	287.4	344.6	289.2	316.1	240.1 (220.9-259.3)	252.1 (233.7-270.4)	246.5 (233.2-259.8)	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	16.3 (14.3-18.2)	17.2 (15.2-19.1)	16.7 (15.4-18.1)	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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Demographics ***										
Total Population Age 65-74	80,785	98,145	178,930	31,755	38,280	70,035	575	705	1,280	
Total Population Age 75+	68,060	104,610	172,670	26,385	43,330	69,715	550	740	1,290	
Total Population	1,199,560	1,292,940	2,492,500	523,535	557,640	1,081,175	6,930	7,665	14,595	
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	177	188	365	
Rate of ED visits per 1,000 population per year	357.2	328.5	341.5	404.3	352.3	375.9	307.8 (270.1-345.6)	266.7 (234.0-299.3)	285.2 (260.4-309.9)	0.84 L
% of the population with one or more ED visits per year	20.7	20.1	20.4	22.4	21.0	21.7	16.2 (12.6-19.8)	17.0 (13.7-20.4)	16.6 (14.2-19.1)	0.82 L
Population Age 75+										
# of ED visits	43,187	61,793	104,980	17,504	25,792	43,296	329	438	767	
Rate of ED visits per 1,000 population per year	634.5	590.7	608.0	663.4	595.2	621.0	598.2 (557.2-639.2)	591.9 (556.5-627.3)	594.6 (567.8-621.4)	0.98 NS
% of the population with one or more ED visits per year	34.1	33.4	33.7	34.8	33.1	33.7	32.4 (26.6-38.1)	36.2 (30.8-41.6)	34.6 (30.6-38.5)	1.03 NS
Total Population										
# of ED visits	362,166	387,652	749,818	170,548	173,142	343,690	2,092	2,250	4,342	
Rate of ED visits per 1,000 population per year	301.9	299.8	300.8	325.8	310.5	317.9	301.9 (286.4-317.4)	293.5 (279.1-308.0)	297.5 (286.9-308.1)	0.99 NS
Age-Adjusted rate of visits per 1,000 †	293.9	292.3	293.1	319.1	303.5	311.2	299.3 (288.0-310.5)	288.1 (277.6-298.5)	293.6 (285.9-301.3)	1.00 NS
% of the population with one or more ED visits per year	18.9	19.0	18.9	19.5	19.2	19.3	19.2 (18.5-20.8)	19.6 (18.0-20.3)	19.4 (18.6-20.2)	1.03 NS
Age-Adjusted % of the population with an ED visit †	19.2	19.3	19.2	19.0	19.5	19.3	19.3 (18.3-20.3)	19.5 (18.6-20.4)	19.4 (18.7-20.1)	1.01 NS

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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	190	154	344	
# of Low Triage visits	10,135	8,471	18,606	4,310	3,726	8,036	59	36	95	
Ratio of low to high Triage visits	0.38	0.42	0.40	0.41	0.46	0.43	0.46 (0.34-0.58)	0.31 (0.20-0.41)	0.38 (0.30-0.46)	0.97 NS
% of all ED visits that are Low Triage	27.4	29.4	28.3	28.5	31.3	29.7	31.1 (21.5-40.6)	23.4 (14.7-32.1)	27.6 (21.1-34.1)	0.98 NS
Population Age 5-19										
# of ED visits	50,769	43,276	94,045	20,649	17,985	38,634	379	267	646	
# of Low Triage visits	22,320	17,595	39,915	8,622	7,106	15,728	180	100	280	
Ratio of low to high Triage visits	0.79	0.69	0.75	0.73	0.66	0.70	0.90 (0.74-1.07)	0.60 (0.46-0.74)	0.77 (0.66-0.88)	1.03 NS
% of all ED visits that are Low Triage	44.0	40.7	42.4	41.8	39.5	40.7	47.5 (37.9-57.1)	37.5 (28.2-46.7)	43.3 (36.6-50.1)	1.02 NS
Population Age 20-44										
# of ED visits	114,073	132,273	246,346	59,363	63,776	123,139	562	661	1,223	
# of Low Triage visits	46,788	45,261	92,049	24,137	23,245	47,382	243	245	488	
Ratio of low to high Triage visits	0.70	0.52	0.60	0.69	0.58	0.63	0.77 (0.65-0.89)	0.59 (0.50-0.68)	0.67 (0.60-0.74)	1.11 NS
% of all ED visits that are Low Triage	41.0	34.2	37.4	40.7	36.4	38.5	43.2 (36.0-50.5)	37.1 (31.2-42.9)	39.9 (35.3-44.5)	1.07 NS
Population Age 45-64										
# of ED visits	88,281	89,222	177,503	45,062	40,194	85,256	455	542	997	
# of Low Triage visits	27,429	27,774	55,203	13,968	12,762	26,730	139	165	304	
Ratio of low to high Triage visits	0.45	0.46	0.45	0.45	0.47	0.46	0.44 (0.36-0.53)	0.44 (0.36-0.52)	0.44 (0.39-0.50)	0.97 NS
% of all ED visits that are Low Triage	31.1	31.1	31.1	31.0	31.8	31.4	30.5 (24.5-36.6)	30.4 (24.9-36.0)	30.5 (26.4-34.6)	0.98 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	177	188	365	
# of Low Triage visits	6,215	7,807	14,022	2,844	3,278	6,122	42	51	93	
Ratio of low to high Triage visits	0.28	0.32	0.30	0.29	0.33	0.31	0.31 (0.21-0.42)	0.38 (0.26-0.49)	0.34 (0.27-0.42)	1.14 NS
% of all ED visits that are Low Triage	21.5	24.2	22.9	22.2	24.3	23.3	23.7 (15.5-31.9)	27.1 (18.4-35.8)	25.5 (19.5-31.5)	1.11 NS
Population Age 75+										
# of ED visits	43,187	61,793	104,980	17,504	25,792	43,296	329	438	767	
# of Low Triage visits	6,727	9,938	16,665	2,680	4,038	6,718	52	65	117	
Ratio of low to high Triage visits	0.19	0.19	0.19	0.18	0.19	0.19	0.19 (0.14-0.24)	0.17 (0.13-0.22)	0.18 (0.15-0.21)	0.94 NS
% of all ED visits that are Low Triage	15.6	16.1	15.9	15.3	15.7	15.5	15.8 (11.1-20.5)	14.8 (10.9-18.7)	15.3 (12.3-18.3)	0.96 NS
Total Population										
# of ED visits	362,166	387,652	749,818	170,548	173,142	343,690	2,092	2,250	4,342	
# of Low Triage visits	119,614	116,846	236,460	56,561	54,155	110,716	715	662	1,377	
Ratio of low to high Triage visits	0.50	0.44	0.47	0.50	0.46	0.48	0.52 (0.48-0.57)	0.42 (0.38-0.45)	0.47 (0.44-0.50)	1.00 NS
Age-Adjusted ratio of low to high Triage visits [‡]	0.61	0.51	0.55	0.60	0.53	0.56	0.69 (0.62-0.76)	0.52 (0.47-0.57)	0.59 (0.55-0.63)	1.07 NS
% of all ED visits that are Low Triage	33.0	30.1	31.5	33.2	31.3	32.2	34.2 (31.1-37.3)	29.4 (26.8-32.1)	31.7 (29.7-33.7)	1.01 NS
Age-Adjusted % of all ED visits that are Low Triage [†]	36.3	33.2	34.6	36.2	33.9	34.9	39.0 (35.6-42.4)	33.3 (30.3-36.3)	36.0 (33.8-38.3)	1.04 NS

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

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

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