

N28 – Rustic Profile: Emergency Department Care

Indicators	City of Toronto			Toronto Central LHIN			Rustic			
	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	365	335	700	
Total Population Age 5-19	215,715	203,795	419,510	81,570	77,890	159,460	1,150	1,075	2,225	
Total Population Age 20-44	471,380	497,960	969,340	224,185	231,545	455,730	1,365	1,865	3,230	
Total Population Age 45-64	294,840	322,830	617,670	130,750	138,995	269,745	895	1,115	2,010	
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	268	202	470	
Rate of ED visits per 1,000 population per year	537.9	439.7	490.0	523.8	431.5	478.7	734.2 (688.9-779.6)	603.0 (550.6-655.4)	671.4 (636.6-706.2)	1.37 H
% of the population with one or more ED visits per year	34.1	29.2	31.7	33.2	28.6	31.0	41.6 (33.0-50.3)	38.8 (30.3-47.3)	40.3 (34.2-46.4)	1.27 H
Population Age 5-19										
# of ED visits	50,769	43,276	94,045	20,649	17,985	38,634	290	281	571	
Rate of ED visits per 1,000 population per year	235.4	212.4	224.2	253.1	230.9	242.3	252.2 (227.1-277.3)	261.4 (235.1-287.7)	256.6 (238.5-274.8)	1.14 H
% of the population with one or more ED visits per year	17.3	15.0	16.2	18.3	15.8	17.1	19.0 (16.2-21.8)	18.3 (15.5-21.2)	18.7 (16.7-20.6)	1.15 H
Population Age 20-44										
# of ED visits	114,073	132,273	246,346	59,363	63,776	123,139	401	732	1,133	
Rate of ED visits per 1,000 population per year	242.0	265.6	254.1	264.8	275.4	270.2	293.8 (269.6-317.9)	392.5 (370.3-414.7)	350.8 (334.3-367.2)	1.38 H
% of the population with one or more ED visits per year	15.6	16.9	16.3	16.3	17.3	16.8	19.1 (16.5-21.7)	23.5 (21.0-26.1)	21.7 (19.9-23.5)	1.33 H
Population Age 45-64										
# of ED visits	88,281	89,222	177,503	45,062	40,194	85,256	270	405	675	
Rate of ED visits per 1,000 population per year	299.4	276.4	287.4	344.6	289.2	316.1	301.7 (271.6-331.7)	363.2 (335.0-391.5)	335.8 (315.2-356.5)	1.17 H
% of the population with one or more ED visits per year	17.8	17.6	17.7	18.9	17.6	18.2	19.6 (16.3-22.8)	22.4 (19.3-25.6)	21.1 (18.9-23.4)	1.20 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	360	565	925	
Total Population Age 75+	68,060	104,610	172,670	26,385	43,330	69,715	385	555	940	
Total Population	1,199,560	1,292,940	2,492,500	523,535	557,640	1,081,175	4,520	5,510	10,030	
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	173	330	
Rate of ED visits per 1,000 population per year	357.2	328.5	341.5	404.3	352.3	375.9	436.1 (384.9-487.3)	306.2 (268.2-344.2)	356.8 (325.9-387.6)	1.04 NS
% of the population with one or more ED visits per year	20.7	20.1	20.4	22.4	21.0	21.7	23.6 (17.9-29.4)	20.2 (16.0-24.3)	21.5 (18.1-24.9)	1.06 NS
Population Age 75+										
# of ED visits	43,187	61,793	104,980	17,504	25,792	43,296	255	349	604	
Rate of ED visits per 1,000 population per year	634.5	590.7	608.0	663.4	595.2	621.0	662.3 (615.1-709.6)	628.8 (588.6-669.0)	642.6 (611.9-673.2)	1.06 H
% of the population with one or more ED visits per year	34.1	33.4	33.7	34.8	33.1	33.7	35.8 (28.4-43.3)	30.6 (25.1-36.2)	32.8 (28.3-37.2)	0.97 NS
Total Population										
# of ED visits	362,166	387,652	749,818	170,548	173,142	343,690	1,641	2,142	3,783	
Rate of ED visits per 1,000 population per year	301.9	299.8	300.8	325.8	310.5	317.9	363.1 (341.0-385.1)	388.7 (367.7-409.8)	377.2 (361.9-392.4)	1.25 H
Age-Adjusted rate of visits per 1,000 †	293.9	292.3	293.1	319.1	303.5	311.2	342.6 (328.6-356.6)	384.6 (371.8-397.4)	363.8 (354.3-373.3)	1.24 H
% of the population with one or more ED visits per year	18.9	19.0	18.9	19.5	19.2	19.3	22.8 (22.1-25.1)	23.6 (21.2-24.3)	23.2 (22.1-24.3)	1.23 H
Age-Adjusted % of the population with an ED visit †	19.2	19.3	19.2	19.0	19.5	19.3	21.9 (20.7-23.2)	23.6 (22.4-24.7)	22.9 (22.0-23.7)	1.19 H

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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	268	202	470	
# of Low Triage visits	10,135	8,471	18,606	4,310	3,726	8,036	78	43	121	
Ratio of low to high Triage visits	0.38	0.42	0.40	0.41	0.46	0.43	0.41 (0.32-0.50)	0.27 (0.19-0.35)	0.35 (0.29-0.41)	0.88 NS
% of all ED visits that are Low Triage	27.4	29.4	28.3	28.5	31.3	29.7	29.1 (21.4-36.8)	21.3 (14.1-28.5)	25.7 (20.4-31.1)	0.91 NS
Population Age 5-19										
# of ED visits	50,769	43,276	94,045	20,649	17,985	38,634	290	281	571	
# of Low Triage visits	22,320	17,595	39,915	8,622	7,106	15,728	83	85	168	
Ratio of low to high Triage visits	0.79	0.69	0.75	0.73	0.66	0.70	0.40 (0.31-0.50)	0.44 (0.33-0.54)	0.42 (0.35-0.49)	0.56 L
% of all ED visits that are Low Triage	44.0	40.7	42.4	41.8	39.5	40.7	28.6 (21.3-35.9)	30.2 (22.5-37.9)	29.4 (24.1-34.7)	0.69 L
Population Age 20-44										
# of ED visits	114,073	132,273	246,346	59,363	63,776	123,139	401	732	1,133	
# of Low Triage visits	46,788	45,261	92,049	24,137	23,245	47,382	118	161	279	
Ratio of low to high Triage visits	0.70	0.52	0.60	0.69	0.58	0.63	0.42 (0.34-0.50)	0.28 (0.24-0.33)	0.33 (0.29-0.37)	0.55 L
% of all ED visits that are Low Triage	41.0	34.2	37.4	40.7	36.4	38.5	29.4 (23.1-35.7)	22.0 (18.1-25.8)	24.6 (21.3-28.0)	0.66 L
Population Age 45-64										
# of ED visits	88,281	89,222	177,503	45,062	40,194	85,256	270	405	675	
# of Low Triage visits	27,429	27,774	55,203	13,968	12,762	26,730	89	100	189	
Ratio of low to high Triage visits	0.45	0.46	0.45	0.45	0.47	0.46	0.49 (0.38-0.61)	0.33 (0.26-0.40)	0.39 (0.33-0.45)	0.86 L
% of all ED visits that are Low Triage	31.1	31.1	31.1	31.0	31.8	31.4	33.0 (24.6-41.3)	24.7 (19.1-30.3)	28.0 (23.3-32.7)	0.90 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	157	173	330	
# of Low Triage visits	6,215	7,807	14,022	2,844	3,278	6,122	35	36	71	
Ratio of low to high Triage visits	0.28	0.32	0.30	0.29	0.33	0.31	0.29 (0.19-0.39)	0.26 (0.17-0.36)	0.28 (0.21-0.34)	0.91 NS
% of all ED visits that are Low Triage	21.5	24.2	22.9	22.2	24.3	23.3	22.3 (13.9-30.7)	20.8 (13.2-28.4)	21.5 (15.9-27.2)	0.94 NS
Population Age 75+										
# of ED visits	43,187	61,793	104,980	17,504	25,792	43,296	255	349	604	
# of Low Triage visits	6,727	9,938	16,665	2,680	4,038	6,718	27	46	73	
Ratio of low to high Triage visits	0.19	0.19	0.19	0.18	0.19	0.19	0.12 (0.07-0.16)	0.15 (0.11-0.20)	0.14 (0.11-0.17)	0.72 L
% of all ED visits that are Low Triage	15.6	16.1	15.9	15.3	15.7	15.5	10.6 (6.4-14.8)	13.2 (9.1-17.3)	12.1 (9.1-15.0)	0.76 L
Total Population										
# of ED visits	362,166	387,652	749,818	170,548	173,142	343,690	1,641	2,142	3,783	
# of Low Triage visits	119,614	116,846	236,460	56,561	54,155	110,716	430	471	901	
Ratio of low to high Triage visits	0.50	0.44	0.47	0.50	0.46	0.48	0.36 (0.32-0.39)	0.28 (0.26-0.31)	0.31 (0.29-0.34)	0.67 L
Age-Adjusted ratio of low to high Triage visits ‡	0.61	0.51	0.55	0.60	0.53	0.56	0.43 (0.37-0.48)	0.32 (0.28-0.35)	0.35 (0.32-0.38)	0.64 L
% of all ED visits that are Low Triage	33.0	30.1	31.5	33.2	31.3	32.2	26.2 (23.3-29.1)	22.0 (19.7-24.2)	23.8 (22.0-25.6)	0.76 L
Age-Adjusted % of all ED visits that are Low Triage †	36.3	33.2	34.6	36.2	33.9	34.9	28.9 (25.7-32.1)	23.5 (21.1-25.9)	25.5 (23.7-27.4)	0.74 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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