

N95 – Annex Profile: Emergency Department Care

Indicators	City of Toronto			Toronto Central LHIN			Annex			
	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	405	420	825	
Total Population Age 5-19	215,715	203,795	419,510	81,570	77,890	159,460	1,055	1,065	2,120	
Total Population Age 20-44	471,380	497,960	969,340	224,185	231,545	455,730	6,595	7,065	13,660	
Total Population Age 45-64	294,840	322,830	617,670	130,750	138,995	269,745	3,140	3,560	6,700	
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	158	146	304	
Rate of ED visits per 1,000 population per year	537.9	439.7	490.0	523.8	431.5	478.7	390.1 (342.6-437.6)	347.6 (302.1-393.2)	368.5 (335.6-401.4)	0.75 L
% of the population with one or more ED visits per year	34.1	29.2	31.7	33.2	28.6	31.0	26.4 (20.6-32.3)	26.0 (20.3-31.6)	26.2 (22.1-30.2)	0.83 L
Population Age 5-19										
# of ED visits	50,769	43,276	94,045	20,649	17,985	38,634	261	311	572	
Rate of ED visits per 1,000 population per year	235.4	212.4	224.2	253.1	230.9	242.3	247.4 (221.4-273.4)	292.0 (264.7-319.3)	269.8 (250.9-288.7)	1.20 H
% of the population with one or more ED visits per year	17.3	15.0	16.2	18.3	15.8	17.1	18.3 (15.4-21.1)	17.9 (15.1-20.7)	18.1 (16.1-20.1)	1.12 NS
Population Age 20-44										
# of ED visits	114,073	132,273	246,346	59,363	63,776	123,139	1,395	1,711	3,106	
Rate of ED visits per 1,000 population per year	242.0	265.6	254.1	264.8	275.4	270.2	211.5 (201.7-221.4)	242.2 (232.2-252.2)	227.4 (220.4-234.4)	0.89 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 (13.2-15.2)	15.2 (14.2-16.2)	14.7 (14.0-15.4)	0.90 L
Population Age 45-64										
# of ED visits	88,281	89,222	177,503	45,062	40,194	85,256	1,047	1,014	2,061	
Rate of ED visits per 1,000 population per year	299.4	276.4	287.4	344.6	289.2	316.1	333.4 (316.9-349.9)	284.8 (270.0-299.7)	307.6 (296.6-318.7)	1.07 H
% of the population with one or more ED visits per year	17.8	17.6	17.7	18.9	17.6	18.2	18.0 (16.4-19.7)	17.4 (15.9-18.9)	17.7 (16.6-18.8)	1.00 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	1,005	1,150	2,155	
Total Population Age 75+	68,060	104,610	172,670	26,385	43,330	69,715	755	1,335	2,090	
Total Population	1,199,560	1,292,940	2,492,500	523,535	557,640	1,081,175	12,955	14,595	27,550	
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	486	444	930	
Rate of ED visits per 1,000 population per year	357.2	328.5	341.5	404.3	352.3	375.9	483.6 (452.7-514.5)	386.1 (357.9-414.2)	431.6 (410.6-452.5)	1.26 H
% of the population with one or more ED visits per year	20.7	20.1	20.4	22.4	21.0	21.7	23.9 (20.4-27.3)	23.7 (20.5-27.0)	23.8 (21.4-26.2)	1.17 H
Population Age 75+										
# of ED visits	43,187	61,793	104,980	17,504	25,792	43,296	656	1,044	1,700	
Rate of ED visits per 1,000 population per year	634.5	590.7	608.0	663.4	595.2	621.0	868.9 (844.8-893.0)	782.0 (759.9-804.2)	813.4 (796.7-830.1)	1.34 H
% of the population with one or more ED visits per year	34.1	33.4	33.7	34.8	33.1	33.7	44.2 (37.9-50.6)	41.1 (36.6-45.6)	42.2 (38.6-45.9)	1.25 H
Total Population										
# of ED visits	362,166	387,652	749,818	170,548	173,142	343,690	4,003	4,670	8,673	
Rate of ED visits per 1,000 population per year	301.9	299.8	300.8	325.8	310.5	317.9	309.0 (297.5-320.5)	320.0 (308.8-331.1)	314.8 (306.8-322.8)	1.05 H
Age-Adjusted rate of visits per 1,000 †	293.9	292.3	293.1	319.1	303.5	311.2	297.6 (288.8-306.3)	304.9 (296.7-313.1)	301.2 (295.2-307.3)	1.03 H
% of the population with one or more ED visits per year	18.9	19.0	18.9	19.5	19.2	19.3	18.3 (18.5-20.1)	19.3 (17.5-19.2)	18.8 (18.3-19.4)	0.99 NS
Age-Adjusted % of the population with an ED visit †	19.2	19.3	19.2	19.0	19.5	19.3	18.5 (17.7-19.2)	18.8 (18.1-19.5)	18.6 (18.0-19.1)	0.96 L

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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).

† 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	158	146	304	
# of Low Triage visits	10,135	8,471	18,606	4,310	3,726	8,036	56	54	110	
Ratio of low to high Triage visits	0.38	0.42	0.40	0.41	0.46	0.43	0.57 (0.40-0.73)	0.63 (0.43-0.82)	0.59 (0.47-0.72)	1.49 H
% of all ED visits that are Low Triage	27.4	29.4	28.3	28.5	31.3	29.7	35.4 (23.9-47.0)	37.0 (24.6-49.4)	36.2 (27.7-44.6)	1.28 NS
Population Age 5-19										
# of ED visits	50,769	43,276	94,045	20,649	17,985	38,634	261	311	572	
# of Low Triage visits	22,320	17,595	39,915	8,622	7,106	15,728	109	136	245	
Ratio of low to high Triage visits	0.79	0.69	0.75	0.73	0.66	0.70	0.74 (0.57-0.91)	0.81 (0.64-0.98)	0.78 (0.66-0.90)	1.04 NS
% of all ED visits that are Low Triage	44.0	40.7	42.4	41.8	39.5	40.7	41.8 (31.5-52.0)	43.7 (33.9-53.5)	42.8 (35.7-49.9)	1.01 NS
Population Age 20-44										
# of ED visits	114,073	132,273	246,346	59,363	63,776	123,139	1,395	1,711	3,106	
# of Low Triage visits	46,788	45,261	92,049	24,137	23,245	47,382	681	864	1,545	
Ratio of low to high Triage visits	0.70	0.52	0.60	0.69	0.58	0.63	0.98 (0.88-1.07)	1.04 (0.94-1.13)	1.01 (0.94-1.08)	1.68 H
% of all ED visits that are Low Triage	41.0	34.2	37.4	40.7	36.4	38.5	48.8 (43.7-53.9)	50.5 (45.7-55.3)	49.7 (46.2-53.2)	1.33 H
Population Age 45-64										
# of ED visits	88,281	89,222	177,503	45,062	40,194	85,256	1,047	1,014	2,061	
# of Low Triage visits	27,429	27,774	55,203	13,968	12,762	26,730	377	389	766	
Ratio of low to high Triage visits	0.45	0.46	0.45	0.45	0.47	0.46	0.57 (0.50-0.63)	0.63 (0.56-0.71)	0.60 (0.55-0.65)	1.32 H
% of all ED visits that are Low Triage	31.1	31.1	31.1	31.0	31.8	31.4	36.0 (31.5-40.6)	38.4 (33.5-43.2)	37.2 (33.8-40.5)	1.20 H

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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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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	486	444	930	
# of Low Triage visits	6,215	7,807	14,022	2,844	3,278	6,122	133	120	253	
Ratio of low to high Triage visits	0.28	0.32	0.30	0.29	0.33	0.31	0.38 (0.31-0.45)	0.38 (0.30-0.45)	0.38 (0.33-0.43)	1.26 H
% of all ED visits that are Low Triage	21.5	24.2	22.9	22.2	24.3	23.3	27.4 (21.9-32.8)	27.0 (21.4-32.7)	27.2 (23.3-31.1)	1.19 H
Population Age 75+										
# of ED visits	43,187	61,793	104,980	17,504	25,792	43,296	656	1,044	1,700	
# of Low Triage visits	6,727	9,938	16,665	2,680	4,038	6,718	113	196	309	
Ratio of low to high Triage visits	0.19	0.19	0.19	0.18	0.19	0.19	0.21 (0.17-0.25)	0.24 (0.20-0.27)	0.23 (0.20-0.25)	1.19 H
% of all ED visits that are Low Triage	15.6	16.1	15.9	15.3	15.7	15.5	17.2 (13.7-20.7)	18.8 (15.9-21.7)	18.2 (15.9-20.4)	1.15 H
Total Population										
# of ED visits	362,166	387,652	749,818	170,548	173,142	343,690	4,003	4,670	8,673	
# of Low Triage visits	119,614	116,846	236,460	56,561	54,155	110,716	1,469	1,759	3,228	
Ratio of low to high Triage visits	0.50	0.44	0.47	0.50	0.46	0.48	0.59 (0.55-0.63)	0.62 (0.58-0.65)	0.60 (0.58-0.63)	1.30 H
Age-Adjusted ratio of low to high Triage visits [‡]	0.61	0.51	0.55	0.60	0.53	0.56	0.77 (0.71-0.83)	0.83 (0.76-0.90)	0.79 (0.74-0.83)	1.43 H
% of all ED visits that are Low Triage	33.0	30.1	31.5	33.2	31.3	32.2	36.7 (34.3-39.1)	37.7 (35.4-39.9)	37.2 (35.6-38.8)	1.18 H
Age-Adjusted % of all ED visits that are Low Triage [†]	36.3	33.2	34.6	36.2	33.9	34.9	41.5 (38.7-44.3)	43.2 (40.3-46.0)	42.1 (40.2-44.0)	1.22 H

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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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