

Asthma-Related Emergency Department Visits

Age Group	Asthma-Related Emergency Department Visits																		
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020*	2021*
All	144117	145797	148635	152328	146564	144634	166594	150199	153893	158394	148817	168345	163057	158519	170112	154788	159371	67635	89031
0-4	32563	30304	32261	30418	28147	25882	30852	29219	30006	28507	27247	29374	28213	25683	26254	24573	22539	2764	12319
5-9	13458	13273	14638	12324	12074	11375	14912	11194	12271	10999	9979	11982	11234	9970	10552	8802	9465	2087	3774
10-14	9442	9191	10225	9225	8500	8526	11555	7613	8134	7296	6038	7594	6603	6173	6616	5464	5981	1808	2748
15-19	8919	8855	10372	10970	10917	11448	14559	10293	10648	10769	8978	10544	9494	9101	9257	7939	8251	3404	4991
20-29	12107	11893	12708	13625	13322	13724	17108	14505	15240	16438	15868	17856	18026	17561	18324	17202	19173	8953	11025
30-39	10616	10823	10551	11356	11240	11048	12842	11798	11887	12345	11771	13020	12770	12383	13939	12976	14770	6932	8277
40-49	10842	11977	11149	12849	12522	12296	13917	12343	12019	12976	11926	12444	12232	11349	12878	11186	12407	6188	6762
50-59	10556	11821	11150	12966	12663	12782	14294	14069	14326	15518	15497	17208	17446	17308	18669	16781	17402	9068	9621
60-69	11895	12662	12037	13260	13311	14073	13745	14380	14595	16133	15475	17828	18094	18720	20321	19000	19029	10211	11125
70+	23719	24998	23544	25335	23868	23480	22810	24785	24767	27413	26038	30495	28945	30271	33302	30865	30354	16220	18389
Sex																			
Female	76193	77936	78596	82152	78640	78714	89835	81842	83720	86762	81638	92780	89797	87681	94278	85793	88426	38370	48949
Male	67924	67861	70039	70176	67924	65920	76759	68357	70173	71632	67179	75565	73260	70838	75834	68995	70945	29265	40082
Deprivation Quintile[†]																			
Q1 (least marginalized)	17651	19305	20584	21072	21127	20555	22694	20245	20713	21564	19810	24042	23610	22969	25453	23052	24025	10477	14512
Q2	22814	23639	24379	25130	24555	23934	28316	25458	26332	26897	24786	29194	28392	27259	29286	26485	27295	11590	15979
Q3	27491	27395	27778	28554	27114	27132	32901	29445	30234	30674	28684	31587	30224	29611	31598	28709	29684	12537	16122
Q4	33399	30903	31275	31809	30422	30262	35069	31657	32066	33277	31463	34975	33838	32969	35410	31813	33036	13675	17560
Q5 (most marginalized)	37038	40897	41069	42251	40047	39461	45175	41152	42431	43639	42064	46131	44576	43405	45910	42496	42974	18595	23801
Income Quintile																			
Q1 (lowest)	37530	38826	38880	40104	37934	37730	42740	38936	39821	40593	38623	46585	45106	43632	46293	42866	43652	19102	24199
Q2	30947	31468	31953	32755	31524	30625	34830	31805	32294	33001	31249	36231	35072	34405	36755	33039	34455	14379	18501
Q3	27972	27876	28823	29343	28420	28198	32816	29103	29845	30847	28923	32114	31194	30722	33167	30405	31554	12944	17198
Q4	25878	25816	26472	27114	26312	26369	30186	27326	28308	29273	27260	29083	28119	27305	29646	26710	27279	11503	16025
Q5 (highest)	21000	20995	21702	22246	21623	20875	24921	21936	22554	23423	21681	24234	23447	22356	24115	21661	22286	9667	13053
Rurality[‡]																			
Urban	105553	108639	110848	112875	109710	106953	127315	115518	118889	123575	117997	135665	132186	128574	138717	127109	131043	57538	74865
Rural	38564	37158	37787	39453	36854	37681	39279	34681	35004	34819	30820	32680	30871	29945	31395	27679	28328	10097	14166
Local Health Integration Network																			
1. Erie St. Clair	10032	9964	9516	9369	9342	8895	10101	8842	8867	9035	8386	9344	8949	8612	8757	7858	7652	3246	4550
2. South West	14800	14778	15989	15707	15889	15386	17439	15429	16251	16321	14738	16803	16163	15994	17426	15823	16000	6172	8795
3. Waterloo Wellington	6287	6036	6150	6098	6087	6102	6918	6433	6529	6577	5858	6914	6740	6368	6894	6006	6328	2883	3855
4. Hamilton Niagara Haldimand Brant	17138	16742	16742	17037	16360	15730	17844	16880	17601	17924	17732	19463	19107	18649	19651	17421	18326	7980	11242
5. Central West	5836	5851	6228	6290	6366	6264	8556	7307	7705	7871	7742	8845	8388	8290	11076	10613	11133	4216	4911
6. Mississauga Halton	6873	7112	7264	7400	7355	7012	9002	8163	8230	8254	8098	9083	8572	8614	9143	8356	9097	3563	4964
7. Toronto Central	8004	8183	8266	8355	8231	7791	9391	8919	9133	9699	9300	10106	9685	10185	10569	9855	10524	5182	5352
8. Central	9519	10906	11020	11179	10988	10873	13735	12425	12305	13535	13445	15223	15793	15202	16362	15023	15638	7014	9855
9. Central East	16470	16727	17025	16980	16004	16251	18307	17077	17662	18037	16986	19673	19161	17962	19190	17632	18058	7590	10177
10. South East	8310	8507	8779	9923	9225	9522	9997	9063	9103	9493	7752	9444	9292	9040	9414	8837	8991	3890	4746
11. Champlain	16570	16764	16918	18385	16127	16744	18876	17111	16617	17016	16013	18755	17099	16340	17336	15976	15800	7262	9087
12. North Simcoe Muskoka	6815	6509	6874	7442	7165	6586	7015	6544	7133	7109	6582	7379	7006	6521	7342	6615	6665	2902	3889
13. North East	12336	12736	12738	12983	12157	12706	13714	11087	11946	12103	11186	12340	11993	11751	12393	11024	11158	4185	5596
14. North West	5127	4982	5126	5180	5268	4772	5699	4919	4811	5420	4999	4973	5109	4991	4559	3749	4001	1550	2012

Asthma-Related Emergency Department Visits (cont'd)

Public Health Unit	Asthma-Related Emergency Department Visits																		
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020*	2021*
Algoma	2689	2882	2947	2938	2685	2582	2644	2234	2349	2433	2263	2619	2410	2370	2637	2411	2276	837	1019
Brant	1956	2011	1974	2318	2233	2073	2297	2073	2384	2417	2547	3142	2931	2753	2980	2767	2958	1306	1662
Durham	5242	5380	5517	5497	5398	5559	6516	5803	5995	6334	6079	6955	6580	6104	6709	5979	6339	2986	4243
Elgin-St Thomas	966	1001	1062	1031	1111	1091	1362	1312	1353	1503	1444	.	.	.	.	.	.	.	.
Grey-Bruce	5508	5608	5328	5384	5411	5536	5867	4904	5293	5203	4460	5119	4751	4695	5014	4494	4448	1504	2179
Haldimand-Norfolk	2054	2160	2086	2180	2060	2172	2326	2259	2420	2490	2335	2445	2173	2071	2214	1893	1926	632	1014
Haliburton Kawartha, Pine Ridge	4753	4646	4767	4653	4253	4249	4398	4096	4123	4144	3459	4313	4581	4259	3989	3831	3710	1604	2071
Halton	3269	3164	3470	3425	3270	3052	3989	3415	3517	3461	3300	3763	3629	3721	4091	3725	4045	1760	2652
Hamilton	4564	4614	4528	4379	4471	4327	5120	4832	5547	5552	5702	6303	6041	5872	6280	5698	6156	3047	4275
Hastings Prince Edward	3254	3392	3486	3724	3379	3508	3591	3227	3227	3420	2747	3385	3467	3295	3493	3418	3495	1444	1765
Huron	1649	1598	1755	1785	1790	1850	1997	1854	1987	1760	1508	1726	1713	1539	1733	1496	1508	521	684
Chatham-Kent	3074	3009	2896	2825	2758	2396	2574	2275	2288	2181	1878	2163	2029	2089	2294	2011	1747	668	946
and Lennox and Addington	2478	2391	2480	2987	2936	2963	3262	2973	2999	3110	2584	3198	3156	3002	3038	2978	2992	1418	1585
Lambton	3284	3493	3559	3400	3496	3414	3998	3395	3629	3692	3276	3886	3555	3163	3230	2829	2623	1009	1555
Leeds, Grenville, Lanark	4284	4365	4682	5202	4640	4815	4987	4499	4342	4372	3645	4169	3799	3902	4232	3382	3512	1372	1907
Middlesex-London	3332	3592	4595	4484	4791	4153	5202	4404	4550	4697	4418	4951	4826	5084	5636	5248	5278	2433	3503
Niagara	7740	7029	7180	7275	6709	6410	7175	6871	6476	6670	6440	6702	7107	7074	7224	6148	6213	2429	3519
North Bay Parry Sound	2742	2911	2834	2965	2606	2871	3004	2560	2880	2782	2682	2947	2725	2719	2809	2263	2411	920	1195
Northwestern	1694	2102	2098	2065	2199	1930	2153	1732	1566	1685	1475	1643	1665	1659	1598	1403	1409	452	623
Ottawa	6268	6396	6375	6884	6124	6073	7910	6872	6906	7383	6787	8256	7651	7521	8098	7929	7902	4056	4793
Oxford	2175	2319	2363	2452	2242	2201	2359	2225	2226	2345	2193	.	.	.	.	.	.	.	.
Peel	7352	7719	7872	8002	8069	7950	10785	9452	9915	10091	9797	11130	10466	10478	13141	12706	13440	5200	6205
Perth	1508	1025	1227	1111	1138	1120	1140	1177	1216	1147	1009	1155	1007	971	1259	1025	1107	387	570
Peterborough	3211	3183	3069	3025	2602	2608	2640	2551	2665	2445	2203	2798	2590	2353	2673	2519	2506	1025	1244
Porcupine	2751	3125	3016	3020	3048	3364	3599	2687	2776	3090	2612	2969	3089	2893	2954	2627	2856	898	1338
Renfrew	2869	3126	3382	3705	3356	3669	3606	3418	3133	3133	3065	3571	3265	3079	3343	3016	2832	837	1228
Eastern Ontario	5599	5444	5145	5694	4779	5108	5298	5030	4943	4910	4819	5416	4830	4376	4379	3940	3878	1942	2449
Simcoe Muskoka	7957	7759	8100	8723	8450	7712	8087	7426	8011	8214	7602	8588	8269	7788	8690	7809	7859	3405	4675
Sudbury	2553	2379	2579	2681	2498	2400	2928	2314	2643	2547	2582	2802	2715	2696	2841	2711	2621	1204	1607
Thunder Bay	3433	2881	3028	3115	3073	2844	3552	3195	3250	3737	3527	3330	3444	3332	3261	2346	2592	1098	1389
Timiskaming	1552	1404	1330	1301	1229	1411	1474	1226	1219	1176	989	968	999	1005	1071	944	931	300	406
Waterloo	3766	3590	3539	3251	3300	3405	3866	3604	3588	3611	3289	3930	3967	3657	3908	3427	3725	1832	2399
Wellington-Dufferin- Guelph	3114	2933	3064	3215	3138	3053	3498	3242	3175	3409	2976	3402	3186	3204	3517	2973	3086	1219	1732
Windsor-Essex	3705	3468	3091	3158	3112	3094	3540	3181	2965	3171	3249	3304	3377	3384	3251	3047	3295	1577	2053
York Region	4655	5383	5700	5658	5694	5592	7353	6573	6780	7332	7150	8210	8658	8456	9339	8683	9041	4338	6188
Southwestern	.	.	.	.	.	.	.	.	.	.	.	4306	4234	3952	4121	3856	3980	1418	2031
Toronto	17117	18315	18511	18816	18516	18079	22497	21308	21557	22747	22726	24781	24172	24003	25365	23256	24674	10557	12327

*Reporting period is from April 2003 to March 2022. Data for 2020 and 2021 may be incomplete due to the 2-year algorithm to identify asthma, and numbers are subject to change.

†Ontario Marginalization Index expressed in quintiles used as a proxy measure of socioeconomic status.

‡Rural communities defined as those with fewer than 10,000 people.

Note: Asthma prevalence with missing LHIN, rurality, or PHU were excluded from the report.

Asthma-related ED were captured from the main problem diagnosis code in NACRS.

PHU of Elgin and St. Thomas (2231) and Oxford Health Unit (2252) were merged in 2014 and now the PHU is named Southwestern Public Health (2275)

Source: This table uses statistics reported by the Ontario Asthma Surveillance Information System (OASIS) and data provided by ICES, Ontario.