

Asthma-Related Emergency Department Visits

	Asthma-Related Emergency Department Visits																				
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022*	2023*
Age Group																					
All	143994	145670	148520	152232	146464	144536	166290	149647	153336	157921	148374	167870	162730	158282	169940	154856	159820	68055	94314	154233	144547
0-4	32544	30287	32249	30409	28143	25873	30651	28809	29546	28187	26917	29076	28218	25688	26270	24595	22732	2860	15713	31018	19117
5-9	13452	13272	14632	12323	12074	11374	14907	11184	12266	10993	9968	11977	11030	9849	10416	8719	9379	2109	3993	12954	11485
10-14	9434	9181	10217	9217	8496	8522	11553	7607	8131	7293	6038	7588	6597	6173	6613	5461	5986	1785	2765	6059	5195
15-19	8908	8845	10368	10965	10906	11440	14548	10282	10645	10765	8975	10538	9490	9091	9251	7931	8258	3415	5051	7388	5880
20-29	12096	11874	12689	13602	13305	13708	17090	14483	15224	16418	15853	17833	18000	17546	18297	17216	19211	8972	11193	16189	14786
30-39	10598	10810	10539	11344	11225	11030	12833	11777	11869	12327	11764	12993	12746	12370	13938	13006	14805	6964	8501	14259	15972
40-49	10819	11956	11132	12833	12501	12286	13898	12314	11999	12940	11906	12425	12216	11333	12873	11179	12444	6223	6969	9857	10591
50-59	10548	11807	11138	12952	12651	12765	14269	14038	14309	15482	15455	17175	17423	17282	18648	16799	17449	9135	9938	13145	13632
60-69	11881	12646	12019	13255	13299	14064	13735	14371	14584	16113	15467	17793	18080	18698	20335	19037	19103	10264	11433	17100	19530
70+	23714	24992	23537	25332	23864	23474	22806	24782	24763	27403	26031	30472	28930	30252	33299	30913	30453	16328	18758	26264	28359
Sex																					
Female	76134	77867	78550	82102	78579	78664	89686	81599	83514	86560	81445	92575	89647	87546	94213	85874	88690	38584	51273	82785	80124
Male	67860	67803	69970	70130	67885	65872	76604	68048	69822	71361	66929	75295	73083	70736	75727	68982	71130	29471	43041	71448	64423
Material Resources Quintile [†]																					
Q1 (least marginalized)	17577	19248	20507	21255	21076	20719	22744	20123	20686	21346	19697	23883	23820	23247	25250	23172	21436	9581	13423	22549	20317
Q2	22683	23626	24215	25027	24498	23877	28224	25398	26206	26802	24834	28994	27859	26952	29009	26389	28192	11889	17697	29439	26531
Q3	27685	27527	27664	28546	27192	27021	32707	29286	29981	30678	28378	31648	30333	29670	31786	28822	31038	12966	18230	30461	28982
Q4	33239	30652	31309	31617	30443	30244	35202	31614	32135	33161	31449	34823	33911	32834	35549	31941	32793	13468	18410	30460	28834
Q5 (most marginalized)	36891	40953	41160	42248	39960	39432	44956	40951	42151	43532	41910	46130	44450	43360	45881	42380	44347	19555	25647	39608	38090
Income Quintile																					
Q1 (lowest)	37524	38636	38940	40047	37902	37684	42619	38752	39557	40436	38678	46486	44933	43609	46250	42826	45111	20054	26019	40144	38879
Q2	31041	31378	32005	32670	31650	30577	34930	31579	32356	33101	30989	36140	35080	34209	36627	32808	34951	14635	20010	32397	31036
Q3	27981	27976	28810	29478	28321	28260	32872	29110	30015	30683	28710	31969	31002	30572	33031	30349	30703	12578	17804	29904	27900
Q4	25810	25528	26178	26927	26249	26303	29982	27287	27921	29246	27449	29049	28177	27305	29945	26990	26776	11145	16489	28079	25488
Q5 (highest)	20834	21305	21760	22360	21609	20865	24755	21808	22410	23211	21467	24101	23416	22464	23974	21770	22191	9615	13953	23632	21156
Rurality [‡]																					
Urban	105392	108541	110760	112820	109598	106927	127095	115093	118433	123218	117717	135195	131886	128366	138434	126992	131623	57963	79621	127523	118702
Rural	38602	37129	37760	39412	36866	37609	39195	34554	34903	34703	30657	32675	30844	29916	31506	27864	28197	10092	14693	26710	25845
Local Health Integration Network																					
1. Erie St. Clair	10026	9954	9509	9365	9334	8887	10088	8803	8831	9010	8364	9312	8931	8605	8735	7852	7661	3265	4742	7212	5094
2. South West	14771	14752	15964	15663	15859	15346	17381	15353	16205	16234	14671	16725	16128	15933	17413	15810	16036	6204	9382	16558	15764
3. Waterloo Wellington	6488	6182	6277	6285	6250	6264	7080	6557	6578	6696	5971	7037	6838	6485	6957	6114	6461	2962	4202	6417	6026
4. Hamilton Niagara Haldimand Brant	17106	16716	16719	17013	16343	15727	17810	16835	17554	17907	17699	19406	19071	18632	19614	17409	18365	8036	11905	18158	17169
5. Central West	5519	5583	5958	5985	6058	5974	8232	7023	7465	7627	7546	8669	8272	8166	11034	10599	11064	4205	5189	11061	9983
6. Mississauga Halton	6906	7115	7289	7423	7366	7039	9008	8154	8214	8237	8083	9070	8544	8608	9130	8377	9161	3581	5356	8410	7484
7. Toronto Central	7930	8137	8210	8299	8179	7739	9311	8853	9034	9579	9223	10044	9613	10128	10541	9804	10502	5175	5657	8523	8576
8. Central	9721	11128	11233	11388	11197	11055	13922	12547	12423	13669	13529	15286	15846	15261	16410	15114	15803	7084	10639	17547	16582
9. Central East	16395	16642	16946	16940	15979	16196	18206	16945	17532	17933	16878	19530	19062	17898	19111	17557	17995	7633	10717	16286	15830
10. South East	8420	8585	8890	10001	9275	9599	10050	9104	9159	9514	7787	9485	9330	9097	9471	8863	9044	3924	5018	8314	8296
11. Champlain	16465	16671	16797	18303	16070	16663	18792	16990	16507	16922	15911	18663	17015	16250	17251	15968	15811	7317	9511	14597	13649
12. North Simcoe																					
Muskoka	6801	6510	6894	7432	7166	6608	7041	6534	7160	7144	6577	7386	7040	6510	7363	6640	6756	2937	4115	6933	6679
13. North East	12325	12722	12712	12964	12123	12673	13674	11044	11881	12041	11149	12303	11945	11723	12353	10999	11145	4176	5799	10433	9696
14. North West	5121	4973	5122	5171	5265	4766	5695	4905	4793	5408	4986	4954	5095	4986	4557	3750	4016	1556	2082	3784	3719

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	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022*	2023*
Public Health Unit																					
Algoma	2692	2869	2950	2937	2702	2573	2644	2218	2353	2438	2278	2631	2408	2390	2629	2424	2297	844	1061	1817	1996
Brant	1947	2003	1992	2308	2238	2067	2297	2058	2362	2387	2528	3140	2902	2735	2960	2747	2916	1316	1752	2637	2447
Durham	5238	5397	5505	5493	5401	5555	6507	5779	5970	6316	6041	6940	6566	6077	6685	5973	6373	3009	4550	6034	5568
Elgin-St Thomas	960	1008	1061	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Grey-Bruce	5525	5612	5298	5364	5431	5534	5870	4910	5274	5189	4457	5101	4743	4686	5001	4496	4436	1507	2281	4116	3948
Haldimand-Norfolk	2051	2175	2092	2192	2067	2180	2330	2280	2428	2499	2373	2432	2197	2076	2222	1898	1998	638	1106	1956	1687
Haliburton Kawartha, Pine Ridge	4714	4654	4763	4650	4224	4250	4358	4115	4103	4206	3480	4311	4588	4264	4025	3803	3746	1611	2185	3485	3284
Halton	3276	3175	3465	3414	3260	3040	4009	3432	3505	3455	3297	3750	3626	3723	4087	3724	4105	1771	2933	4398	3659
Hamilton	4550	4600	4521	4360	4464	4320	5102	4815	5506	5530	5680	6269	6030	5846	6254	5682	6174	3067	4493	6454	6529
Hastings Prince Edward	3271	3409	3499	3739	3376	3501	3598	3234	3240	3379	2732	3346	3423	3295	3477	3403	3513	1468	1872	3035	3244
Huron	1619	1593	1802	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Chatham-Kent	3059	3004	2874	2823	2764	2379	2545	2246	2289	2164	1864	2172	2015	2084	2302	1993	1854	728	1044	1699	1609
Kingston Frontenac, and Lennox and Addington	2472	2380	2455	2989	2941	2967	3257	2951	2994	3089	2565	3187	3139	2993	3018	2978	3004	1422	1684	3044	2816
Lambton	3279	3492	3562	3403	3469	3427	4006	3398	3623	3692	3280	3859	3546	3149	3217	2834	2522	957	1556	2766	977
Leeds, Grenville, Lanark	4274	4351	4667	5190	4634	4813	4983	4449	4310	4351	3614	4171	3782	3899	4245	3363	3523	1380	1992	3099	2943
Middlesex-London	3339	3589	4586	4476	4782	4165	5188	4407	4541	4672	4413	4908	4812	5058	5608	5245	5288	2458	3770	6413	5848
Niagara	7742	7017	7160	7262	6700	6410	7159	6861	6448	6669	6408	6689	7087	7067	7222	6162	6228	2447	3723	6035	5599
North Bay Parry Sound	2743	2910	2832	2979	2622	2880	2999	2548	2878	2773	2678	2935	2707	2728	2820	2264	2428	930	1242	2316	2147
Northwestern	1693	2095	2096	2060	2196	1922	2153	1730	1556	1678	1463	1625	1656	1651	1594	1401	1437	454	645	1405	1480
Ottawa	6267	6395	6386	6881	6114	6072	7889	6854	6867	7357	6788	8227	7634	7506	8068	7964	7923	4099	5048	7476	6861
Oxford	2168	2305	2357	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Peel	7348	7722	7879	8009	8072	7952	10751	9413	9855	10047	9757	11079	10444	10448	13120	12709	13417	5197	6551	12879	11687
Perth	1508	1027	1210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Peterborough	3222	3160	3072	3019	2633	2612	2654	2516	2672	2417	2188	2791	2590	2347	2632	2529	2466	1034	1268	1986	2030
Porcupine	2749	3126	3015	3017	3044	3362	3600	2685	2766	3084	2605	2961	3086	2884	2952	2632	2842	891	1386	2654	2445
Renfrew	2864	3123	3383	3684	3345	3659	3605	3411	3132	3139	3041	3582	3288	3058	3339	3018	2824	836	1263	2396	2278
Eastern Ontario	5609	5443	5141	5702	4781	5105	5293	5042	4955	4896	4817	5407	4833	4375	4385	3937	3890	1952	2558	3698	3566
Simcoe Muskoka	7971	7739	8095	8709	8413	7672	8080	7377	7993	8188	7581	8569	8257	7772	8676	7830	7952	3428	4934	8348	8021
Sudbury	2542	2382	2572	2679	2483	2408	2923	2318	2637	2549	2556	2787	2716	2679	2849	2702	2612	1197	1676	2775	2385
Thunder Bay	3428	2878	3026	3111	3071	2844	3550	3181	3240	3732	3524	3329	3439	3335	2963	2349	2579	1102	1437	2383	2240
Timiskaming	1555	1409	1331	1298	1227	1414	1468	1224	1219	1170	983	968	1000	1004	1068	939	941	301	421	837	703
Waterloo	3779	3593	3543	3241	3287	3406	3855	3573	3560	3603	3293	3922	3954	3661	3893	3435	3740	1861	2586	3636	3510
Wellington-Dufferin- Guelph	3090	2908	3055	3218	3145	3067	3472	3226	3175	3393	2988	3433	3210	3244	3565	3018	3133	1251	1903	3175	2784
Windsor-Essex	3722	3462	3096	3154	3111	3086	3551	3172	2941	3170	3237	3293	3386	3388	3239	3059	3305	1584	2152	2765	2540
York Region	4659	5381	5706	5664	5696	5600	7338	6541	6734	7305	7130	8176	8634	8439	9340	8688	9074	4360	6660	11065	10457
Toronto	17069	18284	18473	18790	18500	18053	22432	21186	21436	22636	22632	24689	24092	23940	25335	23255	24668	10596	13065	21101	20970
Southwestern	.	.	.	3512	3353	3292	3714	3491	3566	3856	3616	4319	4240	3976	4137	3878	4002	1432	2200	3700	3445
Huron Perth	.	.	.	2905	2918	2949	3110	3006	3208	2892	2487	2872	2700	2505	3013	2524	2610	927	1317	2650	2844

* Reporting period is from April 1996 to March 2024. Data for 2022 and 2023 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 2006 onwards at ICES, Ontario and now the PHU is named Southwestern Public Health (4913).

PHU of Huron (2239) and Perth (2254) were merged in 2006 onwards at ICES, Ontario and now the PHU is named Huron Perth Public Health (5183).

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