

Asthma-Related Hospitalizations

	Asthma-Related Hospitalizations																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022*	2023*
Age Group																												
All	50149	51954	55366	58775	58560	60528	51662	48489	48539	46737	46838	44965	46707	48662	50264	52030	54065	55417	59184	56385	55533	56909	54795	54951	39573	46808	57242	57930
0-4	8779	8421	8096	7738	7399	7179	6359	5969	5402	5288	5008	4065	4110	4822	4194	4654	4307	4062	4542	4205	3909	3853	3733	3691	433	2194	5815	3422
5-9	1281	1301	1397	1471	1345	1316	1155	1033	1078	1130	864	780	767	1072	927	989	864	797	1046	863	865	855	764	841	183	263	979	1112
10-14	597	612	643	690	732	791	551	545	576	652	549	513	486	596	553	555	514	466	643	520	528	486	432	463	216	289	478	437
15-19	536	489	509	595	577	603	523	523	510	481	490	532	568	625	600	556	627	641	712	603	660	602	550	535	349	408	454	496
20-29	1206	1156	1258	1350	1254	1322	1041	922	1011	935	878	978	1014	1106	1116	1153	1286	1472	1467	1504	1517	1762	1719	1844	1405	1569	1590	1726
30-39	2176	2172	2342	2507	2499	2445	1879	1727	1607	1592	1531	1511	1499	1683	1649	1796	1782	1917	2043	1994	2048	2064	2257	2222	1975	2433	2439	2748
40-49	3045	3231	3439	3909	4025	4335	3318	3149	3229	3149	3244	3132	3400	3658	3481	3522	3499	3605	3572	3466	3301	3414	3285	3292	2717	3128	2996	3255
50-59	4507	4674	5499	6020	6128	6433	5205	4955	5239	5139	5344	5372	5651	6044	6292	6649	6974	7559	7873	7814	7533	7377	7156	7199	5621	6335	6360	6451
60-69	8818	9378	9770	10109	9951	10096	8489	8130	8081	7624	7868	7843	8456	8598	9160	9708	10278	10655	11087	11201	11085	11397	10956	10829	8681	9770	11118	12252
70+	19204	20520	22413	24386	24650	26008	23142	21536	21806	20747	21062	20239	20756	20458	22292	22448	23934	24243	26199	24215	24087	25099	23943	24035	17993	20419	25013	26031
Sex																												
Female	24887	26229	28730	30786	30712	32020	26902	25523	25962	25091	25185	24227	25570	26719	28066	29071	30507	31451	33969	32138	31948	32482	31409	31273	22495	26664	32357	33335
Male	25262	25725	26636	27989	27848	28508	24760	22966	22577	21646	21653	20738	21137	21943	22198	22959	23558	23966	25215	24247	23585	24427	23386	23678	17078	20144	24885	24595
Material Resources Quintile [†]																												
Q1 (least marginalized)	5686	6284	6730	7200	7575	8209	6930	6548	6703	6850	6836	7006	7222	6420	6670	7000	7402	7569	9131	8851	8821	9103	8883	7777	5533	6653	8368	8668
Q2	7739	8197	8813	9557	9594	9881	8348	7966	7965	7549	7769	7672	7855	8061	8364	8653	8819	8959	10125	9591	9302	9900	9263	9642	6749	8258	10284	10193
Q3	9708	9720	10488	11411	11077	11467	9834	9045	9061	8475	8501	8217	8442	9069	9431	9503	10159	10097	11092	10402	10319	10457	10027	10244	7357	8772	11060	11200
Q4	11187	11592	12515	12996	12724	13090	11347	10903	10154	9745	9611	9004	9516	10530	10751	11157	11293	11918	12451	11774	11453	11720	11217	11370	8169	9450	11438	11661
Q5 (most marginalized)	13890	14106	14667	15419	15374	15628	13240	12110	13511	13062	13129	12170	12751	14075	14477	15158	15819	16290	15848	15244	15123	15221	14890	15516	11514	13378	15627	15719
Income Quintile																												
Q1 (lowest)	13518	13850	14491	15743	15631	16033	13696	12727	12959	12511	12513	11570	12360	12784	12897	13557	13780	14264	16626	15920	15951	15952	15812	16344	12201	13809	16457	16717
Q2	11200	11365	12003	13448	13129	13693	11484	10688	10689	10116	10341	9560	9874	10300	10620	10919	11363	11762	13108	12285	12162	12658	11929	12044	8641	10184	12374	12551
Q3	9627	10010	10857	11271	11249	11294	9972	9683	9083	8890	8976	8690	8977	9392	9813	9992	10302	10539	11198	10469	10304	10666	10144	9984	7095	8689	10316	10564
Q4	8370	8816	9385	9675	9915	10241	8662	8158	8284	8001	7937	8088	8312	8654	9097	9312	9903	10131	9805	9385	9091	9262	8908	8899	6122	7583	9678	9593
Q5 (highest)	7153	7652	8329	8369	8369	9000	7608	7038	7269	6976	6839	6849	6954	7276	7521	7947	8385	8424	8419	8301	8005	8350	7976	7649	5500	6529	8392	8480
Rurality [‡]																												
Urban	40887	42594	45218	48737	48492	50356	42635	40133	40739	39540	39620	38233	39871	41642	43289	44836	46890	48084	52043	49413	48635	50144	48330	48709	35302	41853	50715	51542
Rural	9262	9360	10148	10038	10068	10172	9027	8356	7800	7197	7218	6732	6836	7020	6975	7194	7175	7333	7141	6972	6898	6765	6465	6242	4271	4955	6527	6388
Local Health Integration Network																												
1. Erie St. Clair	3257	3135	3524	3524	3549	3899	3327	3340	3122	3033	2947	2723	2936	2929	3181	3298	3417	3778	3562	3599	3306	3230	3112	3318	2620	3034	3666	3428
2. South West	3598	3745	3865	4146	4081	4521	3765	3565	3260	3215	3034	2892	3014	3194	3336	3295	3704	3818	4049	4078	4122	4247	4080	3910	2845	3500	4345	4338
3. Waterloo Wellington	2591	2684	2641	3028	2857	3039	2166	2430	2376	2406	2206	2097	2081	2087	2135	2275	2284	2343	2650	2396	2339	2547	2507	2190	1548	2040	2680	2582
4. Hamilton Niagara Haldimand Brant	6092	6478	7018	7634	8075	7826	6530	6275	6322	6204	6017	5773	5768	5915	6187	6167	6341	6434	6762	6471	6184	6479	6147	6426	4420	5021	6306	6325
5. Central West	2200	2555	2633	2878	2597	2634	2379	2194	2204	2176	2196	2221	2325	2643	2632	2843	2855	3046	3494	3097	3172	3281	3211	3213	2537	3392	3949	4103
6. Mississauga Halton	3161	3308	3438	3603	3615	3817	3106	2938	2992	2845	3090	3045	3220	3401	3498	3454	3697	3658	3987	3621	3740	3789	3697	3784	2647	3172	3814	3949
7. Toronto Central	4611	5084	5008	5144	4785	5029	4278	4059	3887	3618	3630	3744	3992	3927	4399	4228	4629	4765	5134	4800	5019	5168	5042	5158	3791	4231	4949	5192
8. Central	4611	4879	5275	5536	5534	5645	4567	3956	4363	4349	4388	4349	4539	4889	5161	5480	5640	5841	6390	6245	6305	6478	6272	6524	4791	5980	6773	7059
9. Central East	6295	6458	6760	7046	7080	7368	6561	6038	6103	5690	5847	5772	5937	6261	6067	6436	6412	6613	7155	7018	6895	7098	6894	6650	4938	5570	6988	7541
10. South East	2560	2474	2506	2715	2595	2645	2142	2059	2004	1986	2080	1861	1952	2062	2116	2320	2537	2306	2517	2616	2671	2690	2513	2497	1877	2142	2733	2714
11. Champlain	4578	4809	5289	5368	5701	5854	5012	4895	5005	4847	4922	4473	4704	4912	5142	5291	5500	5437	6019	5587	5151	5295	5073	5057	3292	3885	4747	4607
12. North Simcoe Muskoka	1838	1707	2017	2380	2308	2435	2194	2036	2071	1952	1989	1869	1928	1951	2058	2262	2284	2213	2180	2275	2049	2181	2184	2206	1457	1604	2072	2031
13. North East	3199	3194	3726	3995	4027	4126	3838	3404	3509	3156	3237	2981	3103	3253	3083	3468	3583	4004	4185	3367	3344	3216	3009	2878	2104	2387	3073	2920
14. North West	1558	1444	1666	1778	1756	1690	1797	1300	1321	1260	1255	1165	1208	1238	1269	1213	1182	1161	1100	1215	1236	1210	1054	1140	706	850	1147	1144

Asthma-Related Hospitalizations (cont'd)

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	1996	1997	1998	1999	2000	2001	2002	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	656	723	759	888	898	889	702	552	526	575	544	476	548	589	532	590	625	703	841	731	603	535	567	508	422	437	521	487	
Brant	1077	1155	1186	1108	1048	1078	846	866	781	730	776	697	692	765	715	656	761	684	854	819	795	791	838	825	584	612	827	762	
Durham	2069	2139	2331	2496	2496	2726	2271	2057	2164	2152	2197	2257	2378	2423	2304	2603	2485	2607	2896	2799	2807	2810	2606	2609	1878	2187	2576	2731	
Elgin-St Thomas	540	503	530	541	521	512	394	392	335	316	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
Grey-Bruce	956	1005	949	951	1001	944	821	809	789	661	695	629	633	656	601	587	709	624	694	651	777	753	704	637	438	533	671	574	
Haldimand-Norfolk	597	643	718	725	774	784	700	662	659	653	626	652	600	579	615	591	578	650	589	590	523	469	453	538	343	454	598	529	
Haliburton Kawartha, Pine Ridge	1122	1185	1217	1334	1193	1335	1162	1141	1075	1034	924	904	869	958	935	963	971	985	1102	1054	1100	1010	1026	1031	749	798	1149	1209	
Halton	1276	1388	1518	1610	1819	1795	1568	1341	1417	1489	1430	1419	1462	1537	1595	1559	1603	1635	1851	1694	1770	1857	1784	1815	1297	1393	1652	1685	
Hamilton	1672	1863	2134	2565	2786	2625	2063	2080	2153	2232	2104	2086	2164	2213	2297	2392	2356	2575	2490	2374	2270	2349	2149	2262	1563	1817	2322	2396	
Hastings Prince Edward	1142	1088	1016	1081	1024	1056	821	827	777	727	796	648	754	744	748	801	841	849	986	1054	999	1013	918	914	700	781	1080	1061	
Huron	462	464	430	549	492	555	456	402	319	335	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Chatham-Kent	857	872	848	927	837	932	739	737	702	620	567	544	573	594	542	540	564	608	668	674	619	563	530	507	331	437	530	503	
Kingston Frontenac, and Lennox and Addington	751	686	797	874	825	742	574	552	565	570	592	577	539	595	666	734	840	733	801	773	840	841	842	827	607	654	844	876	
Lambton	831	773	819	789	835	899	804	783	759	794	743	657	593	645	742	958	938	1021	888	879	747	679	608	607	598	586	647	269	
Leeds, Grenville, Lanark	808	822	866	942	919	1070	939	873	835	838	886	830	843	921	850	997	1005	870	869	948	953	979	918	945	671	802	957	955	
Middlesex-London	982	1115	1202	1356	1328	1612	1353	1261	1198	1302	1172	1085	1176	1293	1382	1474	1650	1765	1891	1883	1847	1867	1945	1734	1368	1694	2083	2058	
Niagara	2286	2343	2480	2665	2736	2688	2378	2161	2192	2031	2025	1907	1904	1897	2067	2035	2171	2040	2220	2119	2054	2214	2031	2164	1457	1684	2027	2170	
North Bay Parry Sound	638	623	810	897	793	889	783	764	766	646	632	645	651	677	666	659	700	817	755	667	675	706	554	567	440	514	693	712	
Northwestern	566	514	602	616	614	602	577	424	480	435	420	326	406	352	300	297	337	275	279	304	296	293	259	248	144	181	296	320	
Ottawa	2289	2536	2761	2925	3099	3411	2773	2719	2733	2653	2711	2468	2561	2716	2876	2977	3151	3068	3432	3159	2934	3052	2895	2883	1943	2193	2703	2726	
Oxford	427	435	426	491	423	574	467	426	391	387	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Peel	3373	3600	3687	3986	3763	3865	3314	3197	3211	3029	3177	3097	3411	3795	3796	3916	4107	4217	4732	4192	4283	4505	4414	4425	3308	4259	5080	5274	
Perth	324	296	361	343	353	365	300	310	280	271	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Peterborough	872	813	902	919	1023	996	975	1004	917	829	854	717	796	833	748	726	752	784	808	815	793	891	940	840	605	617	896	979	
Porcupine	591	422	627	706	699	661	825	712	865	712	743	686	741	704	665	624	620	664	747	676	659	542	582	570	385	388	487	475	
Renfrew	851	814	881	827	792	838	689	684	742	709	679	614	680	690	742	651	674	714	788	752	657	667	641	550	298	406	549	521	
Eastern Ontario	1272	1307	1436	1403	1600	1342	1310	1247	1318	1289	1307	1165	1248	1281	1334	1405	1492	1485	1596	1467	1365	1378	1333	1379	908	1139	1271	1103	
Simcoe Muskoka	2081	1960	2327	2698	2596	2743	2510	2328	2340	2222	2283	2130	2188	2210	2380	2622	2610	2523	2502	2554	2342	2479	2484	2519	1664	1892	2415	2441	
Sudbury	1114	1226	1269	1194	1295	1353	1251	1100	1097	981	1052	900	903	1039	988	1326	1357	1537	1561	1093	1174	1170	1086	1037	721	898	1211	1109	
Thunder Bay	992	930	1064	1162	1141	1088	1220	876	842	825	835	839	802	889	970	917	846	886	821	911	940	917	795	892	562	669	851	821	
Timiskaming	181	189	249	288	315	309	251	257	241	235	260	271	256	234	217	259	267	257	270	195	233	256	214	187	130	142	161	132	
Waterloo	1786	1865	1867	2022	1918	2087	1308	1617	1576	1600	1391	1344	1350	1350	1372	1427	1427	1458	1610	1526	1477	1592	1517	1406	1016	1304	1669	1600	
Wellington-Dufferin-	915	974	949	1195	1148	1142	1002	974	985	942	1004	874	866	940	919	1021	1043	1078	1232	1024	1000	1142	1191	982	634	877	1240	1216	
Windsor-Essex	1584	1505	1872	1816	1899	2085	1802	1836	1671	1629	1653	1525	1773	1693	1906	1808	1936	2159	2015	2064	1945	2005	1982	2211	1701	2018	2496	2668	
York Region	1884	2060	2297	2472	2502	2606	2050	1918	2153	2224	2226	2146	2356	2628	2754	2895	3018	3075	3469	3421	3524	3616	3403	3608	2603	3351	3942	4135	
Toronto	10325	11118	11179	11414	11055	11330	9664	8600	8685	8060	8303	8607	8730	8941	9663	9766	10273	10636	11423	10941	10985	11331	11115	11177	8453	9782	11169	11721	
Southwestern	.	.	.	.	.	.	.	.	.	.	.	685	712	713	727	788	690	840	931	948	1021	1014	1052	946	1006	667	868	1047	1095
Huron Perth	.	.	.	.	.	.	.	.	.	.	546	531	548	554	589	564	518	504	556	561	533	585	525	541	385	441	582	617	

*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 hospitalization were extracted from both CIHI-DAD and CIHI SDS with asthma diagnosis in all diagnosis types.

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.