

Asthma Incidence

		Asthma Incidence																											
Sex	Age Group	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*
All	All	102895	98820	97615	92956	91420	82670	77197	74799	74149	74820	71521	64581	64067	63804	60810	59146	57268	56503	58084	55688	54570	55914	52095	50832	36175	49510	66872	41183
	0-4	30944	29430	29335	28048	27940	25867	24516	24445	24291	24907	23889	21642	22277	22136	21684	20656	19827	19070	20217	19145	18689	18620	17249	14914	4089	16005	25457	12661
	5-9	9475	9413	10042	9717	9782	8548	7969	7899	7967	8615	7675	7006	6649	7460	6824	7004	6348	6111	6713	5996	5816	6028	5326	4935	2793	4196	9866	6152
	10-14	6185	5987	5842	5478	5393	4912	4810	4480	4637	4742	4323	4036	3723	3925	3512	3403	3063	2884	3244	3281	3180	3330	3078	2921	1946	2243	3364	2200
	15-19	5062	4392	4225	3913	3681	3367	3155	2999	2706	2764	2625	2368	2306	2356	2094	2028	1906	1905	1978	1875	1800	1862	1761	1636	1354	1547	1784	1147
	20-29	9582	8724	8308	7801	7369	6469	6057	5602	5450	5355	5096	4443	4369	4135	3821	3526	3508	3460	3332	3302	3274	3333	3421	3601	3915	3866	3725	2541
	30-39	11607	11048	10808	9901	9713	8225	7702	7137	6964	6598	6347	5440	5192	5041	4778	4538	4362	4392	4090	3822	3854	3974	3707	4089	4209	4282	4337	3008
	40-49	9489	9160	9163	8658	8815	7883	7508	7279	7258	7225	6930	6183	6015	5899	5374	5184	4872	4890	4606	4457	4059	4284	3736	4175	4160	3965	4040	2789
	50-59	6718	6945	6954	6893	6773	6214	5687	5435	5616	5529	5589	5192	5148	4897	4737	4678	4844	4984	4882	4784	4664	4809	4455	4693	4664	4244	4197	2936
	60-69	6455	6282	5935	5614	5384	4879	4425	4265	4094	4107	4216	4108	3994	3928	3947	4100	4188	4345	4536	4516	4668	4609	4472	4712	4425	4438	4696	3569
	70+	7378	7439	7003	6933	6570	6306	5368	5258	5166	4978	4831	4163	4394	4027	4039	4029	4350	4462	4486	4510	4566	5065	4890	5156	4620	4724	5406	4180
Female	All	54610	51990	51075	48203	47627	42315	39519	38042	37884	37813	36100	32640	32068	32101	30511	29608	28698	28568	29091	28089	27579	28070	26423	26134	19744	25155	33099	20985
	0-4	12527	11642	11776	10998	11255	10145	9569	9557	9664	9697	9457	8580	8677	8734	8652	8222	7798	7618	8051	7678	7602	7390	7044	5944	1562	6531	10631	5306
	5-9	4292	4203	4454	4272	4362	3739	3418	3424	3475	3724	3348	2983	2844	3290	2968	2986	2719	2592	2830	2603	2442	2528	2294	2080	1117	1719	4273	2794
	10-14	3183	3025	2922	2690	2689	2438	2471	2337	2390	2353	2182	2032	1931	2002	1774	1734	1538	1498	1699	1729	1675	1777	1634	1584	1017	1104	1650	1090
	15-19	3244	2738	2684	2442	2350	2156	1968	1942	1749	1765	1699	1510	1422	1473	1289	1300	1251	1226	1321	1209	1145	1196	1173	1054	869	951	1068	706
	20-29	5913	5342	5091	4747	4467	3973	3662	3407	3370	3335	3086	2757	2704	2583	2389	2199	2173	2152	2053	2062	2051	2010	2116	2210	2444	2415	2373	1604
	30-39	7110	6793	6554	6023	5789	4928	4658	4201	4122	3948	3729	3188	2984	3034	2924	2738	2631	2688	2467	2246	2329	2376	2192	2411	2465	2557	2672	1835
	40-49	5994	5788	5638	5360	5421	4757	4621	4365	4366	4325	4089	3685	3597	3503	3138	3110	2878	2893	2719	2624	2448	2522	2253	2507	2487	2405	2513	1708
	50-59	4235	4375	4280	4225	4198	3747	3424	3239	3389	3305	3278	3067	3017	2914	2726	2625	2744	2850	2759	2712	2602	2675	2438	2680	2674	2350	2310	1640
	60-69	3745	3634	3487	3323	3140	2739	2520	2425	2316	2373	2403	2425	2312	2284	2314	2341	2406	2505	2628	2566	2646	2606	2483	2685	2456	2430	2597	1956
	70+	4367	4450	4189	4123	3956	3693	3208	3145	3043	2988	2829	2413	2580	2284	2337	2353	2560	2546	2564	2660	2639	2990	2796	2979	2653	2693	3012	2346
Male	All	48285	46830	46540	44753	43793	40355	37678	36757	36265	37007	35421	31941	31999	31703	30299	29538	28570	27935	28993	27599	26991	27844	25672	24698	16431	24355	33773	20198
	0-4	18417	17788	17559	17050	16685	15722	14947	14888	14627	15210	14432	13062	13600	13402	13032	12434	12029	11452	12166	11467	11087	11230	10205	8970	2527	9474	14826	7355
	5-9	5183	5210	5588	5445	5420	4809	4551	4475	4492	4891	4327	4023	3805	4170	3856	4018	3629	3519	3883	3393	3374	3500	3032	2855	1676	2477	5593	3358
	10-14	3002	2962	2920	2788	2704	2474	2339	2143	2247	2389	2141	2004	1792	1923	1738	1669	1525	1386	1545	1552	1505	1553	1444	1337	929	1139	1714	1110
	15-19	1818	1654	1541	1471	1331	1211	1187	1057	957	999	926	858	884	883	805	728	655	679	657	666	655	666	588	582	485	596	716	441
	20-29	3669	3382	3217	3054	2902	2496	2395	2195	2080	2020	2010	1686	1665	1552	1432	1327	1335	1308	1279	1240	1223	1323	1305	1391	1471	1451	1352	937
	30-39	4497	4255	4254	3878	3924	3297	3044	2936	2842	2650	2618	2252	2208	2007	1854	1800	1731	1704	1623	1576	1525	1598	1515	1678	1744	1725	1665	1173
	40-49	3495	3372	3525	3298	3394	3126	2887	2914	2892	2900	2841	2498	2418	2396	2236	2074	1994	1997	1887	1833	1611	1762	1483	1668	1673	1560	1527	1081
	50-59	2483	2570	2674	2668	2575	2467	2263	2196	2227	2224	2311	2125	2131	1983	2011	2053	2100	2134	2123	2072	2062	2134	2017	2013	1990	1894	1887	1296
	60-69	2710	2648	2448	2291	2244	2140	1905	1840	1778	1734	1813	1683	1682	1644	1633	1759	1782	1840	1908	1950	2022	2003	1989	2027	1969	2008	2099	1613
	70+	3011	2989	2814	2810	2614	2613	2160	2113	2123	1990	2002	1750	1814	1743	1702	1676	1790	1916	1922	1850	1927	2075	2094	2177	1967	2031	2394	1834

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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*
Material Resources Quintile [†]																												
Q1 (least marginalized)	16947	16336	16898	16809	17270	16216	15877	15790	14374	15636	15588	14573	14788	10112	9636	9260	8841	8565	11948	11766	11724	11884	11419	9370	6902	9452	12860	8322
Q2	18549	17771	17904	16436	16682	15095	14035	13764	13896	14243	13516	12243	11800	11250	10612	10254	9964	9843	11476	11373	10906	11362	10465	10745	7676	11101	15370	9272
Q3	19807	18813	18506	17589	17068	15342	14021	13673	13727	13966	13094	11783	11658	11919	11359	10876	10722	10775	10768	10062	10067	10363	9614	10194	7281	10005	13805	8329
Q4	20544	19895	19058	18228	17572	15474	14533	13946	13958	13447	12743	11461	11134	13306	12737	12663	12142	12211	10840	10254	9933	10250	9552	9362	6527	8825	11884	7223
Q5 (most marginalized)	24489	23466	22885	21560	20676	18557	16839	15724	17311	16701	15766	13805	13971	16912	16195	15808	15317	14875	12763	11945	11680	11781	10819	10972	7671	9948	12700	7870
Income Quintile																												
Q1 (lowest)	23949	23018	22398	21539	20679	18448	16917	15919	16995	16592	15731	14023	14149	13642	13098	12701	12407	11973	13050	12389	11912	12119	11308	11390	7923	10282	13172	8292
Q2	20926	20404	19767	19405	18915	16774	15713	14906	15260	15199	14525	13124	12827	12552	11995	11740	11240	11263	11825	11180	10936	11144	10297	10056	7288	9582	12725	8144
Q3	20213	19472	19144	18409	18253	16602	15305	15115	14744	15164	14471	13045	12883	12792	12178	11960	11390	11222	11409	10904	10999	11369	10621	10169	7202	10138	14055	8163
Q4	19760	18994	19046	17272	17152	15954	15304	15245	14112	14563	14009	12954	12815	13168	12697	12144	12000	11940	11440	11131	10887	11165	10556	9785	7020	10084	14094	8400
Q5 (highest)	17817	16723	17055	16118	16208	14705	13769	13426	12793	13100	12580	11272	11201	11446	10663	10409	10043	9921	10340	10074	9817	10102	9300	9418	6730	9408	12807	8176
Rurality [‡]																												
Rural	12595	12027	11729	10491	10041	9066	8227	7703	6968	6815	6201	5363	5247	4998	4638	4614	4264	4047	3844	3776	3608	3815	3614	3470	2569	3255	4255	2456
Urban	90300	86793	85886	82465	81379	73604	68970	67096	67181	68005	65320	59218	58820	58806	56172	54532	53004	52456	54240	51912	50962	52099	48481	47362	33606	46255	62617	38727
Local Health Integration Network																												
1. Erie St. Clair	4869	4974	4939	4365	4385	4382	3906	3928	3903	3804	3392	2940	2835	2802	2717	2569	2304	2370	2539	2669	2815	2775	2534	2494	1869	2465	3255	2073
2. South West	6359	5976	5730	5560	5460	5113	4560	4230	4000	3984	3888	3578	3846	3650	3466	3337	3213	2784	3119	3116	3040	3221	3078	3133	2469	3359	3943	2297
3. Waterloo Wellington	4622	4101	3887	4080	4033	3547	3203	3431	3381	3576	3190	2705	2649	2539	2598	2527	2357	2152	2227	2161	2162	2202	2249	2239	1676	2405	3170	1965
4. Hamilton Niagara Haldimand Brant	9840	9386	9337	9068	9000	8033	7266	6945	7084	7121	6332	5801	5699	5731	5512	5305	5106	5171	5147	5154	4990	5380	5007	5000	3850	4856	5834	3473
5. Central West	6464	6410	6254	6205	6222	5807	5653	5921	6095	6366	6277	5821	5850	5789	5641	5709	5302	5276	5375	5019	5175	5311	4902	4576	2887	4472	6973	3800
6. Mississauga Halton	8979	8600	8648	7859	7685	6862	6531	6489	6634	6644	6647	6516	6188	6303	6241	5925	5885	5917	5924	5362	5222	5294	5107	4896	3424	5092	7607	4940
7. Toronto Central	10882	10759	10157	9774	9618	8457	7610	7344	7156	7045	6753	5978	6034	5870	5512	5499	5401	5439	5455	5495	5421	5393	5000	4910	3383	4498	5877	4061
8. Central	12982	12773	12604	11873	12361	11008	10611	10003	10658	11087	10874	9592	9670	9902	9180	9077	9052	9392	9638	9435	8852	9139	8318	8225	4863	7723	11264	7160
9. Central East	13797	13129	12993	12194	11965	10643	10127	9945	9634	9124	9089	8569	8144	8176	7520	7479	7186	6931	7088	6801	6573	6887	6150	5898	4261	5698	6893	4327
10. South East	3782	3399	3319	3258	3094	2622	2512	2442	2429	2482	2126	1843	1830	1842	1828	1646	1693	1515	1713	1581	1590	1543	1514	1591	1117	1334	1756	1003
11. Champlain	11024	10596	10681	10023	9670	8725	8287	7557	6890	7581	7458	6456	6686	6791	6520	5982	5893	5610	5800	5261	5192	5266	4990	4734	4053	4586	6154	3728
12. North Simcoe Muskoka	2817	2588	2666	2527	2442	2345	2245	2192	2120	2136	1918	1669	1544	1507	1514	1491	1387	1445	1420	1403	1369	1354	1254	1263	933	1319	1894	1000
13. North East	4625	4280	4622	4299	4009	3673	3369	3241	3061	2783	2651	2357	2252	2115	1878	1885	1839	1874	1875	1525	1542	1588	1500	1354	1056	1249	1705	991
14. North West	1853	1849	1778	1871	1476	1453	1317	1131	1104	1087	926	756	840	787	683	715	650	627	764	706	627	561	492	519	334	454	547	365

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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	925	788	744	701	687	639	450	487	498	505	521	475	410	384	354	382	348	383	450	350	340	330	303	261	183	216	257	176
Brant	1277	1315	1197	1056	1075	990	878	808	891	808	718	604	559	557	490	455	474	435	525	495	483	495	437	478	340	493	564	333
Durham	5193	4861	4810	4595	4520	3915	3724	3899	3738	3616	3551	3561	3239	3378	2975	3126	2850	2739	2838	2691	2594	2736	2482	2379	1837	2586	2957	1708
Elgin-St Thomas	567	574	524	502	486	509	462	394	342	371	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Grey-Bruce	1142	991	949	999	936	792	747	628	625	604	553	463	463	440	435	476	441	340	397	336	315	321	304	337	200	327	417	204
Haldimand-Norfolk	756	784	690	729	721	661	620	637	595	541	468	418	462	417	359	350	320	340	307	328	324	371	308	321	217	275	472	225
Haliburton Kawartha, Pine Ridge	1539	1374	1396	1283	1238	1086	1121	981	891	833	711	649	616	643	557	532	510	481	547	605	551	571	585	625	416	516	538	365
Halton	3157	2824	2996	2923	2903	2533	2372	2274	2433	2506	2345	2265	2325	2504	2398	2249	2281	2292	2341	2281	2263	2371	2349	2404	1688	2606	3742	2420
Hamilton	3326	3158	3120	3174	3131	2824	2389	2337	2476	2530	2300	2053	2084	2204	2052	1992	1878	1940	1914	1859	1770	2132	2017	2108	1616	1994	2312	1375
Hastings Prince Edward	1425	1195	1141	1046	971	803	809	745	759	731	655	547	589	556	520	433	477	404	487	488	501	465	443	490	355	445	549	294
Huron	482	390	402	428	394	348	299	265	208	241	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Chatham-Kent	1091	1137	1009	954	807	871	673	591	623	501	460	377	357	346	288	258	250	243	256	267	328	391	318	278	194	272	323	223
Kingston Frontenac, and Lennox and Addington	1355	1286	1306	1329	1283	1078	984	1042	977	1016	871	769	745	738	751	676	689	601	666	626	617	630	623	681	468	545	737	418
Lambton	1085	1087	1115	949	922	847	717	702	715	729	718	570	575	628	587	570	509	454	404	410	441	390	369	370	200	299	383	208
Leeds, Grenville, Lanark	1271	1229	1262	1245	1172	1122	1059	970	905	977	821	717	692	744	727	695	678	659	741	605	621	587	609	560	416	473	657	395
Middlesex-London	2990	2843	2742	2520	2546	2425	2116	2031	2022	2035	2144	2001	2283	2175	2017	1951	1957	1640	1904	1910	1913	2007	1965	1812	1482	2003	2273	1352
Niagara	3423	3203	3295	3051	3074	2703	2588	2434	2324	2390	2106	2003	1896	1776	1852	1787	1709	1786	1726	1803	1745	1728	1599	1445	1184	1418	1661	971
North Bay Parry Sound	845	832	923	934	833	758	731	627	560	546	517	438	444	430	344	362	322	322	328	269	403	372	348	302	276	310	348	251
Northwestern	554	537	471	524	421	404	367	351	364	359	281	239	252	233	162	170	170	171	197	207	165	163	127	148	71	131	163	117
Ottawa	7695	7405	7494	7078	6979	6126	5893	5322	4856	5361	5426	4804	5089	5124	4938	4472	4482	4219	4336	3988	3930	3902	3675	3522	3099	3490	4774	2949
Oxford	697	689	608	627	647	625	523	548	494	479	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Peel	10181	10107	10057	9323	9112	8449	8242	8585	8766	9253	9241	8929	8609	8442	8337	8386	7985	7805	7886	7101	7143	7261	6634	6281	4284	6287	9615	5505
Perth	520	511	531	522	491	439	410	365	329	284	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Peterborough	1266	1238	1286	1171	1130	1003	933	872	792	699	669	574	526	576	537	546	543	516	539	522	500	557	548	512	368	379	505	268
Porcupine	736	680	735	663	567	504	527	526	541	461	459	354	422	384	314	229	269	291	281	253	190	235	200	195	116	152	223	162
Renfrew	872	808	775	694	632	594	590	607	545	544	490	404	383	432	395	383	404	422	436	364	356	392	344	316	226	236	364	248
Eastern Ontario	2108	2014	1973	1854	1677	1604	1421	1267	1227	1387	1287	1037	995	1005	987	930	826	798	813	733	724	799	780	701	581	681	784	397
Simcoe Muskoka	3356	3244	3186	2943	2906	2762	2613	2586	2518	2521	2288	1964	1802	1791	1772	1783	1791	1922	1831	1802	1744	1778	1627	1580	1126	1688	2425	1298
Sudbury	1898	1713	1963	1730	1647	1544	1459	1439	1321	1146	1041	943	836	822	777	815	803	792	749	575	537	578	582	533	422	494	787	357
Thunder Bay	1299	1312	1307	1347	1055	1049	950	780	740	729	644	517	587	554	521	545	481	456	567	499	462	398	365	371	263	323	385	248
Timiskaming	217	248	249	257	268	219	199	155	139	124	106	143	132	91	87	95	91	80	66	75	67	69	59	64	58	77	87	44
Waterloo	3292	2974	2760	2810	2689	2421	2135	2303	2309	2462	2123	1825	1774	1646	1682	1684	1580	1478	1545	1470	1481	1485	1514	1596	1171	1692	2200	1352
Wellington-Dufferin-Guelph	1675	1419	1433	1529	1638	1410	1298	1386	1328	1333	1277	1070	1024	1053	1066	970	875	815	813	853	873	931	961	791	620	853	1178	772
Windsor-Essex	2701	2769	2828	2477	2664	2676	2539	2649	2572	2581	2225	1993	1907	1834	1848	1744	1549	1679	1886	1996	2056	2001	1853	1858	1484	1901	2559	1652
York Region	5952	5817	5991	5865	6296	5675	5697	5422	6106	6654	6578	5859	5782	6161	5736	5496	5471	5671	5964	5829	5451	5670	5068	5043	3002	4921	7250	4615
Toronto	26027	25464	24347	23124	22902	20262	18662	17784	17620	16963	16719	14878	15077	14684	13908	13674	13417	13519	13515	13206	12864	12904	11876	11507	7421	10384	14120	9540
Southwestern	.	.	.	.	.	.	.	.	.	.	763	736	722	668	628	576	558	489	551	578	525	568	522	684	565	736	850	499
Huron Perth	.	.	.	.	.	.	.	.	.	.	445	402	409	384	409	354	280	321	278	314	293	326	301	279	226	307	413	242

* 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 incidence and prevalence with missing LHIN, rurality, or PHU were excluded from the report.

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.