

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*
All	All	103074	98963	97781	93114	91584	82782	77294	74893	74249	74939	71613	64668	64170	64114	61377	59616	57629	56877	58368	55916	54746	56097	52260	51002	36244	46428	46042
	0-4	30996	29465	29380	28093	27979	25902	24552	24476	24318	24936	23908	21662	22307	22366	22107	21026	20087	19326	20373	19180	18726	18658	17274	14935	4092	15135	18768
	5-9	9495	9421	10064	9726	9799	8556	7977	7909	7978	8624	7690	7020	6663	7475	6856	7033	6370	6140	6772	6113	5891	6102	5398	4995	2797	3866	6633
	10-14	6206	5992	5851	5487	5401	4918	4813	4484	4641	4751	4329	4043	3728	3931	3525	3412	3069	2891	3249	3287	3186	3335	3085	2940	1974	2109	2161
	15-19	5067	4400	4234	3926	3687	3373	3157	3003	2711	2768	2627	2370	2308	2358	2099	2031	1908	1912	1985	1879	1804	1865	1764	1638	1357	1427	1133
	20-29	9604	8744	8328	7822	7387	6484	6067	5614	5468	5375	5103	4456	4381	4150	3849	3540	3518	3475	3345	3318	3287	3347	3432	3618	3922	3587	2406
	30-39	11625	11073	10830	9921	9729	8237	7710	7143	6974	6615	6361	5452	5202	5051	4809	4551	4387	4416	4103	3838	3873	3995	3729	4109	4215	3998	2864
	40-49	9499	9173	9171	8671	8840	7892	7519	7287	7272	7231	6938	6191	6025	5914	5394	5200	4883	4903	4619	4472	4069	4296	3742	4189	4169	3709	2693
	50-59	6732	6953	6965	6903	6787	6224	5690	5440	5617	5540	5592	5198	5153	4901	4746	4683	4853	4990	4891	4789	4668	4813	4466	4702	4669	3955	2733
	60-69	6467	6293	5947	5623	5394	4886	4430	4273	4098	4114	4226	4112	4001	3935	3951	4108	4197	4351	4542	4523	4672	4615	4475	4718	4425	4169	3002
	70+	7383	7449	7011	6942	6581	6310	5379	5264	5172	4985	4839	4164	4402	4033	4041	4032	4357	4473	4489	4517	4570	5071	4895	5158	4624	4473	3649
Female	All	54692	52057	51156	48276	47697	42364	39565	38090	37931	37872	36152	32683	32109	32245	30745	29801	28858	28750	29224	28189	27660	28158	26495	26215	19786	23560	22580
	0-4	12541	11653	11789	11006	11265	10154	9587	9568	9675	9712	9467	8590	8688	8835	8813	8355	7901	7735	8113	7693	7619	7402	7050	5953	1562	6170	7842
	5-9	4300	4205	4466	4275	4365	3741	3422	3430	3477	3727	3354	2987	2847	3293	2981	3001	2724	2603	2858	2655	2479	2565	2322	2107	1120	1573	2824
	10-14	3192	3027	2923	2696	2693	2442	2472	2337	2392	2354	2187	2035	1931	2006	1777	1739	1539	1504	1702	1732	1677	1779	1639	1593	1033	1033	1038
	15-19	3247	2743	2689	2450	2353	2160	1969	1942	1752	1768	1699	1511	1424	1474	1289	1303	1252	1229	1326	1209	1145	1197	1174	1055	872	882	685
	20-29	5929	5353	5100	4758	4476	3981	3664	3418	3381	3347	3092	2766	2713	2592	2406	2211	2182	2160	2062	2070	2054	2017	2123	2217	2449	2231	1553
	30-39	7119	6808	6569	6033	5796	4933	4660	4204	4126	3958	3734	3192	2990	3042	2942	2743	2649	2708	2475	2255	2338	2386	2202	2425	2468	2389	1771
	40-49	6000	5795	5642	5371	5433	4762	4627	4370	4373	4328	4093	3691	3600	3509	3149	3119	2881	2899	2727	2630	2455	2528	2257	2516	2493	2252	1663
	50-59	4241	4380	4287	4231	4207	3754	3426	3242	3390	3310	3279	3069	3019	2918	2732	2628	2753	2854	2763	2716	2604	2677	2445	2683	2678	2201	1507
	60-69	3754	3638	3495	3328	3145	2743	2523	2430	2319	2376	2412	2428	2314	2288	2317	2346	2413	2508	2632	2568	2648	2611	2484	2686	2455	2276	1667
	70+	4369	4455	4196	4128	3964	3694	3215	3149	3046	2992	2835	2414	2583	2288	2339	2356	2564	2550	2566	2661	2641	2996	2799	2980	2656	2553	2030
Male	All	48382	46906	46625	44838	43887	40418	37729	36803	36318	37067	35461	31985	32061	31869	30632	29815	28771	28127	29144	27727	27086	27939	25765	24787	16458	22868	23462
	0-4	18455	17812	17591	17087	16714	15748	14965	14908	14643	15224	14441	13072	13619	13531	13294	12671	12186	11591	12260	11487	11107	11256	10224	8982	2530	8965	10926
	5-9	5195	5216	5598	5451	5434	4815	4555	4479	4501	4897	4336	3816	4182	3875	4032	3646	3537	3914	3458	3412	3537	3076	2888	1677	2293	3809	
	10-14	3014	2965	2928	2791	2708	2476	2341	2147	2249	2397	2142	2008	1797	1925	1748	1673	1530	1387	1547	1555	1509	1556	1446	1347	941	1076	1123
	15-19	1820	1657	1545	1476	1334	1213	1188	1061	959	1000	928	859	884	884	810	728	656	683	659	670	659	668	590	583	485	545	448
	20-29	3675	3391	3228	3064	2911	2503	2403	2196	2087	2028	2011	1690	1668	1558	1443	1329	1336	1315	1283	1248	1233	1330	1309	1401	1473	1356	853
	30-39	4506	4265	4261	3888	3933	3304	3050	2939	2848	2657	2627	2260	2212	2009	1867	1808	1738	1708	1628	1583	1535	1609	1527	1684	1747	1609	1093
	40-49	3499	3378	3529	3300	3407	3130	2892	2917	2899	2903	2845	2500	2425	2405	2245	2081	2002	2004	1892	1842	1614	1768	1485	1673	1676	1457	1030
	50-59	2491	2573	2678	2672	2580	2470	2264	2198	2227	2230	2313	2129	2134	1983	2014	2055	2100	2128	2073	2064	2136	2021	2019	1991	1991	1754	1226
	60-69	2713	2655	2452	2295	2249	2143	1907	1843	1779	1738	1814	1684	1687	1647	1634	1762	1784	1843	1910	1955	2024	2004	1991	2032	1970	1893	1335
	70+	3014	2994	2815	2814	2617	2616	2164	2115	2126	1993	2004	1750	1819	1745	1702	1676	1793	1923	1923	1856	1929	2075	2096	2178	1968	1920	1619

Asthma Incidence (cont'd)

	Asthma Incidence																										
	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*
<b>Material Resources Quintile<sup>†</sup></b>																											
Q1 (least marginalized)	16982	16230	16874	16783	17297	16168	15839	15779	14429	15717	15647	14633	14844	10150	9691	9262	8926	8543	12019	11813	11726	11937	11510	9310	6953	8911	8838
Q2	18553	17872	17840	16522	16720	15193	14044	13691	13827	14299	13478	12238	11851	11284	10729	10370	9940	9966	11654	11366	10970	11432	10480	10894	7592	10450	10654
Q3	19879	19015	18601	17597	17037	15358	14218	13709	13795	13981	13117	11776	11614	12005	11459	10976	10780	10810	10701	10140	10079	10331	9618	10205	7336	9342	9628
Q4	20581	19823	19197	18249	17547	15433	14510	14053	14019	13417	12860	11507	11124	13385	12864	12755	12284	12352	10896	10272	9928	10292	9546	9384	6552	8261	8104
Q5 (most marginalized)	24523	23498	22937	21625	20827	18644	16859	15772	17276	16687	15725	13782	13994	16987	16337	15976	15420	14983	12802	12044	11776	11852	10872	10990	7697	9291	8636
<b>Income Quintile</b>																											
Q1 (lowest)	23989	23062	22466	21537	20776	18456	16980	15943	16988	16625	15696	14025	14181	13721	13226	12847	12508	12035	13088	12455	11982	12205	11322	11412	7930	9628	8994
Q2	21070	20512	19871	19445	18939	16790	15731	14993	15314	15169	14545	13111	12803	12581	12035	11758	11349	11392	11907	11280	10998	11157	10393	10065	7323	8928	8684
Q3	20268	19475	19054	18460	18291	16647	15374	15085	14786	15180	14570	13131	12865	12793	12375	12103	11489	11256	11503	10933	10989	11367	10582	10206	7210	9551	9773
Q4	19682	18847	18980	17285	17213	16024	15277	15343	14127	14672	13890	12970	12866	13280	12776	12244	12052	11968	11427	11118	10928	11195	10566	9925	7059	9423	9769
Q5 (highest)	17824	16837	17192	16157	16158	14666	13755	13343	12791	13086	12711	11260	11271	11539	10758	10470	10038	10046	10428	10108	9837	10157	9385	9380	6713	8888	8809
<b>Rurality<sup>‡</sup></b>																											
Rural	12658	12025	11756	10511	9999	9052	8232	7727	6940	6838	6203	5372	5272	5010	4699	4638	4286	4059	3826	3775	3618	3778	3632	3467	2582	3026	2909
Urban	90416	86938	86025	82603	81585	73730	69062	67166	67309	68101	65410	59296	58898	59104	56678	54978	53343	52818	54542	52141	51128	52319	48628	47535	33662	43402	43133
<b>Local Health Integration Network</b>																											
1. Erie St. Clair	4876	4979	4949	4369	4400	4391	3913	3934	3906	3812	3393	2942	2838	2811	2738	2589	2315	2383	2554	2678	2824	2783	2539	2501	1872	2320	2241
2. South West	6368	5992	5736	5567	5464	5119	4567	4234	4007	3986	3893	3579	3847	3666	3493	3357	3227	2799	3132	3133	3054	3229	3086	3137	2471	3159	2575
3. Waterloo Wellington	4625	4105	3892	4087	4040	3555	3206	3439	3383	3578	3192	2710	2652	2548	2626	2545	2363	2163	2240	2167	2172	2206	2254	2244	1680	2259	2171
4. Hamilton Niagara Haldimand Brant	9857	9394	9348	9089	9011	8039	7272	6949	7091	7124	6341	5805	5705	5755	5556	5333	5129	5197	5166	5169	5000	5393	5016	5017	3854	4546	3925
5. Central West	6476	6415	6265	6217	6234	5817	5662	5928	6103	6379	6285	5834	5858	5831	5697	5758	5330	5321	5407	5040	5190	5326	4922	4591	2893	4190	4928
6. Mississauga Halton	8993	8613	8660	7875	7705	6871	6544	6498	6649	6654	6653	6525	6204	6340	6290	5969	5929	5958	5948	5390	5240	5320	5127	4912	3434	4794	5263
7. Toronto Central	10912	10787	10180	9794	9639	8474	7619	7363	7169	7066	6768	5990	6047	5901	5568	5551	5446	5469	5480	5530	5442	5416	5023	4935	3386	4248	4077
8. Central	13002	12791	12626	11886	12379	11019	10618	10014	10670	11100	10884	9603	9690	9958	9297	9165	9123	9466	9689	9464	8875	9173	8350	8255	4876	7273	8003
9. Central East	13816	13145	13007	12211	11986	10656	10135	9949	9650	9146	9102	8579	8150	8222	7598	7534	7237	6982	7121	6827	6596	6906	6161	5911	4268	5288	4719
10. South East	3788	3403	3328	3265	3096	2624	2516	2445	2429	2482	2131	1847	1835	1844	1842	1661	1695	1525	1719	1583	1592	1548	1517	1598	1121	1251	1169
11. Champlain	11050	10614	10714	10046	9695	8737	8305	7572	6900	7599	7469	6470	6703	6819	6576	6032	5937	5652	5837	5290	5210	5288	5009	4756	4063	4269	4113
12. North Simcoe Muskoka	2825	2592	2670	2531	2447	2349	2246	2195	2122	2141	1919	1669	1546	1511	1523	1507	1394	1452	1428	1407	1378	1355	1259	1265	934	1247	1317
13. North East	4629	4283	4628	4303	4010	3677	3372	3242	3064	2784	2653	2359	2253	2119	1886	1894	1852	1881	1881	1530	1545	1590	1504	1359	1058	1158	1155
14. North West	1857	1850	1778	1874	1478	1454	1319	1131	1106	1088	930	756	842	789	687	721	652	629	766	708	628	564	493	521	334	426	386

Asthma Incidence (cont'd)

Public Health Unit	Asthma Incidence																										
	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*
Algoma	927	787	744	700	682	641	449	486	500	503	522	473	411	384	360	382	347	381	453	352	338	333	300	262	183	204	170
Brant	1282	1322	1197	1057	1080	1002	879	804	887	808	714	610	554	553	495	461	477	438	525	500	484	498	434	489	342	457	383
Durham	5208	4870	4818	4597	4533	3925	3723	3914	3748	3623	3561	3558	3236	3395	3009	3142	2861	2755	2848	2689	2602	2744	2489	2387	1844	2392	2001
Elgin-St Thomas	570	579	518	503	487	515	471	391	339	377	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Grey-Bruce	1149	1002	947	996	953	792	744	625	618	612	550	465	462	441	439	481	437	337	402	338	319	320	299	338	194	299	289
Haldimand-Norfolk	761	784	695	733	714	661	611	641	603	537	471	411	465	416	364	350	325	336	313	322	318	372	310	312	213	257	343
Haliburton Kawartha, Pine Ridge	1562	1360	1391	1301	1239	1070	1113	970	896	838	696	646	639	635	559	529	515	488	551	612	559	571	581	623	426	488	369
Halton	3161	2830	3000	2940	2914	2538	2381	2280	2439	2515	2350	2260	2325	2510	2403	2254	2290	2306	2355	2293	2270	2382	2367	2410	1696	2453	2591
Hamilton	3323	3142	3121	3181	3136	2828	2393	2337	2488	2532	2309	2057	2091	2212	2076	2004	1888	1945	1920	1862	1778	2138	2019	2117	1616	1877	1524
Hastings Prince Edward	1428	1205	1147	1050	976	807	812	752	755	733	661	546	578	561	525	430	467	406	489	486	502	461	452	490	350	422	366
Huron	479	384	403	429	383	349	303	268	209	236	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Chatham-Kent	1087	1130	1016	957	805	859	664	607	626	515	455	371	344	348	292	240	252	246	256	277	337	395	315	281	192	259	223
Kingston Frontenac, and Lennox and Addington	1349	1286	1310	1329	1285	1073	984	1045	982	1013	874	768	746	737	755	687	689	607	668	623	622	630	622	689	470	507	495
Lambton	1090	1098	1123	953	927	853	713	695	713	731	713	580	578	633	595	584	505	458	405	405	445	387	374	370	196	280	276
Leeds, Grenville, Lanark	1275	1241	1261	1253	1167	1120	1059	967	904	974	815	718	695	750	739	701	685	659	736	618	620	588	608	560	422	445	426
Middlesex-London	3000	2847	2751	2533	2546	2424	2116	2039	2029	2031	2149	1991	2281	2183	2028	1963	1970	1654	1911	1928	1923	2016	1971	1816	1483	1891	1468
Niagara	3421	3212	3299	3056	3079	2706	2591	2438	2327	2392	2107	2005	1897	1788	1864	1798	1714	1803	1731	1808	1748	1733	1599	1451	1185	1318	1080
North Bay Parry Sound	845	838	927	938	838	752	728	630	558	543	521	438	450	431	342	368	327	323	333	270	403	371	349	301	275	287	233
Northwestern	557	537	471	525	421	403	368	352	365	360	283	240	254	234	162	171	170	171	197	209	166	163	126	147	71	121	116
Ottawa	7713	7405	7522	7092	7000	6146	5914	5333	4862	5380	5440	4820	5100	5147	4972	4517	4514	4257	4374	4010	3943	3925	3688	3543	3107	3249	3225
Oxford	702	680	605	626	643	622	528	547	491	475	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Peel	10199	10128	10070	9339	9142	8460	8252	8603	8785	9271	9254	8951	8627	8497	8416	8451	8039	7863	7929	7133	7163	7287	6662	6301	4295	5901	6760
Perth	522	512	531	510	496	438	412	366	331	284	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Peterborough	1243	1238	1289	1160	1128	1011	939	872	791	693	676	581	521	583	542	557	554	513	536	522	493	561	547	510	362	346	324
Porcupine	737	682	736	662	570	505	530	526	541	462	459	354	419	386	315	231	270	293	283	255	190	236	202	196	116	139	147
Renfrew	880	810	773	698	635	593	584	609	545	545	490	400	386	432	398	383	406	424	442	364	352	397	344	318	223	218	242
Eastern Ontario	2116	2023	1980	1856	1681	1602	1423	1269	1231	1389	1290	1038	996	1007	1000	935	831	802	816	732	731	799	786	698	581	637	498
Simcoe Muskoka	3380	3249	3192	2943	2901	2773	2628	2586	2518	2526	2292	1968	1799	1801	1782	1797	1799	1934	1844	1806	1748	1772	1633	1585	1129	1591	1692
Sudbury	1892	1713	1968	1731	1649	1548	1460	1440	1324	1150	1038	945	835	825	777	820	811	796	746	574	542	576	588	536	422	457	549
Thunder Bay	1300	1313	1307	1349	1057	1051	951	779	741	728	646	516	588	555	525	550	482	458	569	499	462	401	367	374	263	305	270
Timiskaming	217	248	248	259	266	219	199	156	138	125	106	144	132	90	87	95	94	80	66	76	67	69	58	65	58	73	54
Waterloo	3290	2990	2761	2818	2701	2420	2135	2306	2310	2466	2115	1826	1770	1659	1697	1693	1580	1491	1553	1479	1486	1488	1520	1595	1177	1598	1477
Wellington-Dufferin- Guelph	1672	1407	1440	1534	1623	1414	1304	1385	1317	1322	1281	1081	1028	1059	1086	991	884	815	819	853	876	941	964	792	622	789	842
Windsor-Essex	2708	2774	2826	2476	2677	2692	2552	2642	2576	2575	2233	1996	1916	1835	1857	1772	1560	1687	1902	1998	2056	2006	1856	1861	1488	1790	1747
York Region	5948	5828	6001	5861	6302	5678	5701	5421	6117	6665	6579	5866	5793	6200	5800	5549	5515	5717	5995	5856	5464	5698	5085	5062	3007	4650	5251
Toronto	26081	25509	24393	23169	22948	20292	18680	17812	17645	17010	16747	14904	15107	14764	14071	13804	13528	13622	13578	13271	12915	12953	11920	11560	7435	9748	9782
Southwestern	.	.	.	.	.	.	.	.	.	.	768	739	728	675	632	578	554	489	549	586	532	567	527	682	569	698	548
Huron Perth	.	.	.	.	.	.	.	.	.	448	402	419	388	413	348	289	323	274	310	292	319	298	281	232	282	281	281

\* Reporting period is from April 1996 to March 2023. Data for 2021 and 2022 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.