

Asthma-Related Physician Office Visit Crude Rates

	Asthma-Related Physician Office Visit Crude Rates (per Individual in Asthma Prevalent Population)																										
	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*
Age Group																											
All	2.04	1.94	1.89	1.78	1.70	1.57	1.47	1.43	1.40	1.35	1.27	1.18	1.18	1.18	1.11	1.08	1.02	1.00	1.02	0.99	0.98	0.98	0.90	0.90	0.61	0.65	0.78
0-4	2.96	2.91	2.89	2.80	2.75	2.64	2.53	2.52	2.52	2.57	2.35	2.25	2.22	2.23	2.20	2.14	2.01	1.99	2.06	2.02	1.94	1.96	1.83	1.78	0.60	1.27	1.94
5-9	1.75	1.66	1.63	1.53	1.50	1.41	1.28	1.23	1.26	1.30	1.17	1.12	1.14	1.24	1.13	1.16	1.04	1.02	1.09	1.03	0.99	1.02	0.90	0.92	0.36	0.46	0.93
10-14	1.34	1.24	1.24	1.10	1.10	1.04	0.94	0.87	0.85	0.88	0.79	0.75	0.80	0.88	0.77	0.78	0.72	0.69	0.77	0.73	0.74	0.78	0.70	0.73	0.36	0.43	0.66
15-19	1.34	1.19	1.20	1.09	1.02	0.92	0.87	0.87	0.80	0.82	0.76	0.69	0.71	0.75	0.65	0.65	0.62	0.60	0.65	0.62	0.64	0.65	0.62	0.63	0.36	0.44	0.57
20-29	1.52	1.40	1.37	1.30	1.20	1.07	1.02	1.00	0.95	0.91	0.88	0.79	0.77	0.77	0.70	0.67	0.62	0.60	0.60	0.58	0.59	0.58	0.56	0.57	0.39	0.41	0.49
30-39	1.90	1.77	1.76	1.65	1.60	1.44	1.38	1.34	1.31	1.24	1.21	1.11	1.09	1.07	1.03	0.98	0.91	0.89	0.87	0.83	0.79	0.78	0.70	0.69	0.45	0.47	0.56
40-49	1.97	1.87	1.85	1.74	1.68	1.52	1.46	1.42	1.41	1.33	1.31	1.22	1.23	1.22	1.17	1.12	1.07	1.06	1.06	1.02	1.00	1.00	0.90	0.89	0.64	0.64	0.72
50-59	2.19	2.10	2.04	1.96	1.88	1.73	1.65	1.61	1.60	1.51	1.48	1.39	1.38	1.34	1.30	1.25	1.20	1.19	1.20	1.17	1.15	1.14	1.05	1.05	0.79	0.79	0.87
60-69	2.57	2.55	2.45	2.37	2.27	2.14	2.03	1.99	1.95	1.86	1.80	1.67	1.66	1.59	1.53	1.48	1.43	1.41	1.43	1.38	1.37	1.37	1.25	1.23	0.94	0.94	1.05
70+	3.04	3.00	2.88	2.81	2.67	2.55	2.42	2.40	2.36	2.22	2.03	1.89	1.86	1.78	1.72	1.66	1.60	1.56	1.60	1.55	1.54	1.52	1.40	1.38	1.11	1.09	1.18
Sex																											
Female	2.14	2.03	1.99	1.88	1.81	1.67	1.58	1.54	1.52	1.47	1.39	1.30	1.30	1.30	1.23	1.20	1.13	1.11	1.14	1.10	1.09	1.10	1.01	1.01	0.70	0.74	0.88
Male	1.93	1.83	1.77	1.66	1.57	1.45	1.35	1.29	1.26	1.22	1.14	1.06	1.05	1.05	0.98	0.95	0.89	0.87	0.90	0.86	0.85	0.85	0.78	0.78	0.50	0.55	0.67
Material Resources Quintile†																											
Q1 (least marginalized)	1.89	1.78	1.77	1.68	1.63	1.52	1.44	1.39	1.31	1.29	1.23	1.15	1.15	1.01	0.95	0.93	0.88	0.86	0.96	0.92	0.92	0.93	0.85	0.80	0.56	0.59	0.72
Q2	1.95	1.83	1.81	1.69	1.63	1.50	1.42	1.38	1.34	1.31	1.24	1.16	1.16	1.08	1.01	0.99	0.93	0.91	1.01	0.98	0.97	0.98	0.90	0.89	0.59	0.64	0.79
Q3	2.00	1.90	1.85	1.74	1.67	1.54	1.44	1.39	1.38	1.35	1.26	1.18	1.19	1.15	1.09	1.06	1.01	0.98	1.04	1.00	0.98	0.98	0.91	0.93	0.61	0.66	0.81
Q4	2.07	1.96	1.91	1.79	1.71	1.58	1.47	1.43	1.43	1.38	1.29	1.20	1.19	1.29	1.21	1.18	1.11	1.09	1.06	1.02	1.01	1.01	0.92	0.93	0.62	0.66	0.80
Q5 (most marginalized)	2.26	2.16	2.08	1.96	1.85	1.70	1.59	1.54	1.51	1.46	1.36	1.26	1.25	1.34	1.27	1.22	1.14	1.12	1.08	1.04	1.03	1.02	0.95	0.95	0.67	0.69	0.79
Income Quintile																											
Q1 (lowest)	2.29	2.19	2.10	1.98	1.88	1.72	1.60	1.55	1.52	1.47	1.38	1.27	1.26	1.27	1.20	1.15	1.07	1.06	1.08	1.04	1.02	1.01	0.94	0.94	0.67	0.69	0.79
Q2	2.14	2.03	1.97	1.87	1.77	1.64	1.53	1.48	1.46	1.41	1.32	1.23	1.23	1.23	1.16	1.12	1.06	1.03	1.06	1.02	1.00	1.01	0.93	0.91	0.62	0.65	0.77
Q3	2.04	1.93	1.89	1.77	1.70	1.57	1.48	1.44	1.40	1.37	1.29	1.21	1.21	1.21	1.14	1.11	1.05	1.02	1.05	1.01	1.00	0.92	0.92	0.60	0.65	0.80	
Q4	1.94	1.83	1.80	1.69	1.64	1.51	1.43	1.39	1.34	1.31	1.24	1.16	1.16	1.17	1.10	1.07	1.01	1.00	1.02	0.98	0.97	0.98	0.90	0.89	0.59	0.64	0.79
Q5 (highest)	1.77	1.67	1.65	1.55	1.50	1.39	1.31	1.27	1.24	1.20	1.14	1.05	1.05	1.04	0.98	0.96	0.91	0.89	0.92	0.89	0.89	0.90	0.82	0.84	0.56	0.62	0.76
Rurality‡																											
Urban	2.11	2.00	1.95	1.84	1.76	1.62	1.52	1.48	1.45	1.41	1.32	1.23	1.23	1.24	1.16	1.13	1.06	1.04	1.07	1.03	1.02	1.02	0.94	0.94	0.63	0.67	0.81
Rural	1.57	1.48	1.44	1.32	1.24	1.15	1.07	1.05	0.98	0.92	0.85	0.77	0.73	0.71	0.67	0.64	0.60	0.59	0.60	0.59	0.58	0.59	0.55	0.53	0.41	0.41	0.46
Local Health Integration Network																											
1. Erie St. Clair	1.97	1.88	1.85	1.75	1.67	1.57	1.47	1.48	1.47	1.42	1.36	1.28	1.24	1.23	1.17	1.15	1.06	1.05	1.08	1.08	1.13	1.10	1.02	1.00	0.67	0.72	0.89
2. South West	1.74	1.65	1.60	1.51	1.42	1.32	1.21	1.20	1.12	1.06	0.98	0.91	0.87	0.84	0.79	0.78	0.75	0.74	0.75	0.72	0.71	0.70	0.64	0.64	0.46	0.48	0.56
3. Waterloo Wellington	1.71	1.61	1.51	1.42	1.38	1.23	1.15	1.12	1.07	1.05	0.98	0.89	0.86	0.85	0.81	0.79	0.75	0.72	0.74	0.72	0.71	0.73	0.68	0.68	0.44	0.48	0.61
4. Hamilton Niagara Haldimand Brant	1.86	1.76	1.66	1.55	1.50	1.38	1.31	1.28	1.25	1.23	1.14	1.08	1.09	1.08	1.02	1.00	0.94	0.94	0.97	0.95	0.96	0.97	0.89	0.91	0.64	0.68	0.80
5. Central West	2.58	2.41	2.32	2.21	2.11	1.98	1.87	1.84	1.82	1.75	1.63	1.55	1.57	1.61	1.53	1.50	1.39	1.37	1.45	1.39	1.35	1.35	1.24	1.25	0.76	0.84	1.10
6. Mississauga Halton	2.29	2.16	2.11	2.00	1.91	1.77	1.66	1.62	1.60	1.57	1.47	1.39	1.40	1.43	1.35	1.33	1.24	1.24	1.26	1.22	1.21	1.21	1.11	1.14	0.75	0.83	1.06
7. Toronto Central	2.36	2.29	2.17	2.05	1.93	1.77	1.66	1.58	1.56	1.50	1.40	1.28	1.27	1.27	1.19	1.14	1.06	1.04	1.04	0.99	0.97	0.97	0.89	0.89	0.64	0.67	0.76
8. Central	2.39	2.28	2.26	2.13	2.08	1.90	1.78	1.69	1.70	1.67	1.57	1.48	1.49	1.51	1.41	1.37	1.29	1.28	1.30	1.25	1.22	1.24	1.15	1.14	0.73	0.81	0.99
9. Central East	2.19	2.06	2.01	1.91	1.83	1.70	1.58	1.50	1.50	1.45	1.38	1.28	1.29	1.29	1.21	1.18	1.11	1.08	1.10	1.06	1.04	1.06	0.97	0.96	0.63	0.67	0.82
10. South East	1.66	1.57	1.55	1.42	1.32	1.22	1.14	1.08	1.00	0.95	0.88	0.79	0.79	0.74	0.70	0.67	0.65	0.62	0.64	0.63	0.61	0.60	0.56	0.56	0.42	0.43	0.47
11. Champlain	1.73	1.62	1.63	1.51	1.44	1.30	1.23	1.20	1.13	1.10	1.06	0.93	0.93	0.94	0.89	0.84	0.80	0.77	0.79	0.75	0.73	0.73	0.68	0.66	0.51	0.49	0.53
12. North Simcoe Muskoka	1.72	1.64	1.65	1.54	1.49	1.39	1.29	1.28	1.20	1.15	1.08	0.97	0.90	0.85	0.80	0.77	0.73	0.70	0.72	0.69	0.66	0.67	0.62	0.63	0.45	0.46	0.55
13. North East	1.56	1.46	1.47	1.34	1.26	1.20	1.13	1.14	1.04	1.01	0.95	0.87	0.83	0.80	0.74	0.70	0.66	0.65	0.64	0.63	0.64	0.64	0.60	0.59	0.43	0.41	0.48
14. North West	1.26	1.18	1.25	1.18	1.06	0.98	0.92	0.91	0.89	0.86	0.81	0.75	0.72	0.73	0.64	0.60	0.59	0.58	0.61	0.62	0.61	0.57	0.51	0.51	0.40	0.42	0.45

Asthma-Related Physician Office Visit Crude Rates (cont'd)

Public Health Unit	Asthma-Related Physician Office Visit Crude Rates (per Individual in Asthma Prevalent Population)																										
	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	1.24	1.21	1.04	1.00	0.92	0.81	0.73	0.71	0.58	0.56	0.57	0.50	0.51	0.55	0.53	0.52	0.51	0.51	0.46	0.45	0.47	0.46	0.44	0.41	0.45	0.36	0.39
Brant	1.81	1.74	1.57	1.46	1.49	1.39	1.33	1.27	1.24	1.16	1.04	0.95	0.94	0.87	0.77	0.72	0.66	0.64	0.65	0.65	0.70	0.72	0.70	0.73	0.51	0.52	0.68
Durham	2.15	2.00	1.95	1.84	1.80	1.66	1.53	1.46	1.46	1.41	1.38	1.28	1.31	1.29	1.21	1.20	1.13	1.09	1.11	1.06	1.05	1.07	0.98	0.97	0.62	0.68	0.86
Elgin-St Thomas	2.21	2.07	1.96	1.81	1.66	1.63	1.48	1.50	1.39	1.33																	
Grey-Bruce	1.45	1.34	1.23	1.20	1.12	1.03	0.95	0.93	0.84	0.77	0.72	0.60	0.58	0.58	0.57	0.56	0.55	0.54	0.55	0.54	0.51	0.51	0.46	0.48	0.41	0.38	0.42
Haldimand-Norfolk	1.96	1.96	1.86	1.74	1.72	1.59	1.43	1.39	1.34	1.29	1.21	1.13	1.11	1.10	0.95	0.89	0.81	0.83	0.84	0.82	0.80	0.81	0.73	0.73	0.51	0.54	0.64
Haliburton Kawartha, Pine Ridge	1.53	1.47	1.49	1.45	1.36	1.30	1.21	1.18	1.10	1.06	0.96	0.87	0.86	0.81	0.78	0.74	0.69	0.65	0.67	0.63	0.64	0.66	0.63	0.63	0.47	0.46	0.54
Halton	1.97	1.82	1.76	1.63	1.52	1.43	1.41	1.41	1.41	1.37	1.29	1.24	1.23	1.26	1.21	1.20	1.14	1.13	1.17	1.13	1.13	1.15	1.05	1.07	0.68	0.77	1.01
Hamilton	1.83	1.76	1.66	1.57	1.47	1.36	1.27	1.18	1.19	1.17	1.10	1.04	1.04	0.97	0.94	0.89	0.90	0.95	0.93	0.95	0.95	0.88	0.90	0.66	0.71	0.83	
Hastings Prince Edward	1.82	1.76	1.69	1.52	1.40	1.32	1.17	1.12	1.04	0.99	0.90	0.80	0.80	0.77	0.70	0.68	0.65	0.63	0.64	0.63	0.60	0.60	0.57	0.55	0.40	0.39	0.46
Huron	1.56	1.52	1.37	1.35	1.20	1.19	1.12	0.99	0.90	0.85																	
Chatham-Kent	1.65	1.59	1.44	1.32	1.23	1.16	1.08	0.94	0.90	0.90	0.90	0.77	0.77	0.76	0.67	0.63	0.63	0.60	0.63	0.61	0.64	0.64	0.62	0.59	0.42	0.44	0.52
Kingston Frontenac, and Lennox and Addington	1.46	1.39	1.39	1.29	1.23	1.10	1.08	1.04	0.99	0.92	0.85	0.75	0.77	0.73	0.71	0.68	0.69	0.65	0.68	0.68	0.66	0.64	0.60	0.61	0.42	0.43	0.49
Lambton	1.62	1.53	1.45	1.34	1.29	1.20	1.05	1.04	1.01	1.00	0.94	0.84	0.79	0.78	0.70	0.68	0.62	0.60	0.62	0.62	0.63	0.64	0.59	0.59	0.42	0.43	0.47
Leeds, Grenville, Lanark	1.68	1.51	1.53	1.44	1.33	1.22	1.14	1.06	0.94	0.92	0.86	0.77	0.75	0.70	0.66	0.63	0.61	0.58	0.60	0.58	0.56	0.56	0.52	0.51	0.45	0.45	0.47
Middlesex-London	1.89	1.80	1.77	1.67	1.56	1.46	1.31	1.32	1.26	1.19	1.11	1.05	1.01	0.97	0.91	0.91	0.88	0.86	0.88	0.84	0.83	0.81	0.74	0.74	0.51	0.54	0.64
Niagara	1.85	1.71	1.62	1.49	1.46	1.32	1.26	1.28	1.24	1.24	1.14	1.09	1.12	1.11	1.08	1.07	1.02	1.01	1.03	1.02	1.01	1.01	0.91	0.93	0.66	0.68	0.78
North Bay Parry Sound	1.67	1.58	1.63	1.48	1.37	1.33	1.21	1.18	1.06	0.93	0.92	0.79	0.80	0.75	0.71	0.68	0.62	0.60	0.58	0.56	0.60	0.61	0.55	0.58	0.43	0.44	0.48
Northwestern	1.26	1.13	1.16	1.10	0.89	0.83	0.78	0.71	0.67	0.59	0.47	0.44	0.41	0.41	0.35	0.34	0.33	0.35	0.40	0.37	0.39	0.36	0.33	0.31	0.25	0.26	0.25
Ottawa	1.81	1.69	1.68	1.55	1.49	1.35	1.27	1.24	1.17	1.15	1.11	0.98	0.98	1.00	0.96	0.91	0.86	0.82	0.85	0.79	0.78	0.77	0.71	0.69	0.53	0.52	0.56
Oxford	1.55	1.47	1.41	1.33	1.27	1.15	1.08	1.07	1.02	0.95																	
Peel	2.46	2.31	2.24	2.13	2.05	1.91	1.78	1.76	1.73	1.70	1.59	1.52	1.54	1.58	1.50	1.47	1.37	1.36	1.41	1.36	1.34	1.34	1.23	1.25	0.78	0.87	1.13
Perth	1.59	1.51	1.51	1.41	1.40	1.20	1.12	1.11	1.00	0.93																	
Peterborough	1.63	1.55	1.57	1.45	1.31	1.22	1.17	1.10	1.06	0.98	0.89	0.78	0.76	0.72	0.69	0.69	0.65	0.62	0.64	0.61	0.58	0.60	0.55	0.56	0.39	0.39	0.47
Porcupine	1.36	1.18	1.26	1.13	1.03	1.00	1.00	0.92	0.90	0.82	0.77	0.70	0.65	0.70	0.62	0.53	0.50	0.51	0.51	0.52	0.51	0.45	0.42	0.42	0.31	0.29	0.31
Renfrew	1.57	1.48	1.41	1.35	1.24	1.16	1.09	1.13	1.05	0.99	0.90	0.75	0.79	0.72	0.67	0.65	0.59	0.57	0.59	0.57	0.55	0.54	0.47	0.47	0.43	0.39	0.41
Eastern Ontario	1.55	1.49	1.59	1.46	1.40	1.24	1.16	1.12	1.05	1.00	0.96	0.87	0.85	0.83	0.77	0.73	0.68	0.67	0.67	0.65	0.63	0.68	0.65	0.65	0.45	0.45	0.48
Simcoe Muskoka	1.77	1.70	1.70	1.58	1.52	1.41	1.30	1.29	1.22	1.17	1.10	0.99	0.93	0.89	0.85	0.81	0.78	0.75	0.77	0.75	0.72	0.73	0.68	0.69	0.48	0.50	0.61
Sudbury	1.79	1.69	1.72	1.57	1.49	1.44	1.37	1.42	1.33	1.36	1.24	1.16	1.09	1.01	0.93	0.89	0.83	0.82	0.83	0.82	0.82	0.83	0.80	0.76	0.48	0.48	0.61
Thunder Bay	1.26	1.20	1.29	1.21	1.12	1.03	0.97	0.99	0.98	0.97	0.94	0.88	0.84	0.86	0.76	0.70	0.69	0.67	0.69	0.71	0.69	0.66	0.59	0.59	0.46	0.49	0.52
Timiskaming	1.10	1.01	0.96	0.91	0.82	0.80	0.71	0.73	0.63	0.57	0.51	0.51	0.47	0.42	0.39	0.41	0.37	0.38	0.38	0.39	0.38	0.34	0.35	0.32	0.30	0.29	0.27
Waterloo	1.70	1.62	1.50	1.41	1.37	1.21	1.12	1.11	1.07	1.05	0.97	0.90	0.88	0.88	0.83	0.80	0.77	0.74	0.76	0.73	0.72	0.74	0.68	0.68	0.44	0.48	0.62
Wellington-Dufferin-Guelph	1.78	1.62	1.58	1.50	1.43	1.31	1.22	1.18	1.12	1.07	0.99	0.88	0.84	0.83	0.80	0.79	0.73	0.70	0.73	0.71	0.73	0.75	0.71	0.71	0.46	0.49	0.64
Windsor-Essex	2.28	2.16	2.21	2.11	2.02	1.89	1.80	1.85	1.85	1.77	1.67	1.62	1.55	1.54	1.49	1.48	1.35	1.34	1.36	1.37	1.43	1.37	1.27	1.24	0.81	0.89	1.12
York Region	2.27	2.15	2.19	2.07	2.03	1.88	1.78	1.68	1.70	1.67	1.59	1.52	1.53	1.55	1.45	1.40	1.33	1.33	1.35	1.29	1.27	1.30	1.19	1.19	0.74	0.83	1.03
Toronto	2.48	2.38	2.29	2.17	2.07	1.90	1.79	1.70	1.70	1.64	1.54	1.42	1.42	1.43	1.34	1.29	1.20	1.18	1.19	1.14	1.12	1.12	1.04	1.02	0.70	0.75	0.87
Southwestern											1.05	0.97	0.91	0.87	0.80	0.77	0.72	0.69	0.71	0.65	0.63	0.65	0.59	0.59	0.42	0.46	0.54
Huron Perth											0.75	0.67	0.64	0.63	0.60	0.60	0.56	0.56	0.57	0.57	0.56	0.56	0.51	0.50	0.39	0.39	0.46

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

Asthma-related physician office visits were extracted from OHIP with service delivery at physician office, long term care, and home.

In 2019-2022, asthma-related physician office visits included virtual visits that were extracted from OHIP.

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.