

		Asthma Incidence Crude Rates (per 1,000 Ontario Population)																	
Sex	Age Group	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012*	2013†
All	All	9.34	8.85	8.64	8.12	7.86	6.98	6.42	6.14	6.01	6.00	5.66	5.07	4.97	4.92	4.65	4.46	3.93	2.59
	0-4	41.51	40.14	40.68	39.53	39.78	36.87	35.66	36.19	35.96	36.74	34.59	31.27	31.81	31.76	31.27	29.50	25.89	17.29
	5-9	12.53	12.21	12.82	12.30	12.35	10.74	10.06	10.13	10.42	11.51	10.53	9.73	9.28	10.39	9.49	9.65	7.97	4.95
	10-14	8.39	7.96	7.66	7.09	6.85	6.13	5.86	5.36	5.53	5.67	5.22	4.96	4.66	5.00	4.56	4.49	3.77	2.32
	15-19	7.05	6.03	5.68	5.15	4.70	4.19	3.85	3.63	3.23	3.23	3.01	2.70	2.60	2.67	2.39	2.33	2.02	1.32
	20-29	6.14	5.63	5.39	5.05	4.72	4.09	3.77	3.44	3.30	3.20	3.00	2.57	2.48	2.31	2.09	1.88	1.68	1.06
	30-39	5.94	5.65	5.56	5.11	5.02	4.26	4.00	3.77	3.75	3.62	3.52	3.04	2.91	2.83	2.70	2.54	2.20	1.43
	40-49	5.75	5.45	5.32	4.90	4.85	4.19	3.87	3.64	3.54	3.46	3.29	2.94	2.87	2.83	2.60	2.53	2.20	1.47
	50-59	6.09	5.94	5.68	5.39	5.09	4.48	3.94	3.63	3.61	3.43	3.35	3.05	2.95	2.74	2.58	2.47	2.28	1.54
	60-69	7.28	7.06	6.62	6.21	5.92	5.30	4.72	4.43	4.12	4.03	3.99	3.67	3.40	3.20	3.08	3.08	2.79	1.85
70+	8.01	7.87	7.21	6.95	6.42	5.99	4.96	4.74	4.56	4.30	4.08	3.45	3.56	3.19	3.12	3.04	3.00	2.18	
Female	All	9.76	9.19	8.92	8.31	8.09	7.06	6.49	6.18	6.07	5.99	5.65	5.06	4.91	4.87	4.60	4.40	3.87	2.58
	0-4	34.43	32.55	33.39	31.65	32.59	29.36	28.34	29.00	29.37	29.43	28.19	25.51	25.50	25.77	25.57	24.05	20.92	14.24
	5-9	11.65	11.19	11.69	11.08	11.26	9.59	8.82	8.96	9.29	10.18	9.42	8.52	8.15	9.41	8.50	8.48	7.06	4.32
	10-14	8.87	8.26	7.85	7.16	6.99	6.24	6.14	5.71	5.81	5.74	5.38	5.11	4.94	5.22	4.71	4.72	3.84	2.44
	15-19	9.30	7.75	7.42	6.61	6.16	5.51	4.95	4.82	4.29	4.25	4.01	3.53	3.29	3.40	3.01	3.06	2.70	1.74
	20-29	7.61	6.95	6.66	6.22	5.81	5.10	4.61	4.24	4.12	4.02	3.66	3.21	3.10	2.90	2.63	2.39	2.11	1.32
	30-39	7.28	6.97	6.76	6.23	6.01	5.12	4.86	4.46	4.46	4.34	4.12	3.54	3.32	3.36	3.24	3.00	2.60	1.73
	40-49	7.17	6.80	6.47	6.00	5.90	5.02	4.75	4.37	4.28	4.17	3.92	3.53	3.45	3.37	3.04	3.04	2.59	1.76
	50-59	7.59	7.41	6.93	6.55	6.26	5.35	4.69	4.28	4.30	4.04	3.87	3.55	3.41	3.22	2.94	2.74	2.56	1.76
	60-69	8.19	7.91	7.54	7.13	6.69	5.77	5.20	4.87	4.51	4.50	4.41	4.20	3.81	3.61	3.50	3.41	3.10	2.09
70+	7.89	7.85	7.23	6.94	6.53	5.95	5.05	4.84	4.59	4.42	4.10	3.43	3.60	3.13	3.13	3.09	3.07	2.16	
Male	All	8.91	8.51	8.36	7.93	7.64	6.90	6.34	6.11	5.95	6.00	5.68	5.08	5.04	4.96	4.71	4.53	3.98	2.60
	0-4	48.25	47.36	47.65	47.10	46.72	44.14	42.72	43.07	42.22	43.66	40.64	36.72	37.79	37.45	36.67	34.67	30.60	20.17
	5-9	13.36	13.19	13.90	13.46	13.39	11.84	11.26	11.26	11.51	12.79	11.59	10.88	10.35	11.31	10.43	10.75	8.84	5.54
	10-14	7.94	7.67	7.47	7.02	6.71	6.02	5.58	5.04	5.25	5.60	5.07	4.81	4.39	4.79	4.41	4.28	3.72	2.20
	15-19	4.92	4.42	4.03	3.76	3.31	2.94	2.82	2.49	2.22	2.27	2.07	1.90	1.95	1.96	1.80	1.63	1.37	0.91
	20-29	4.68	4.32	4.14	3.91	3.67	3.10	2.95	2.66	2.49	2.39	2.35	1.94	1.88	1.72	1.55	1.39	1.25	0.80
	30-39	4.60	4.34	4.36	3.99	4.04	3.40	3.15	3.08	3.05	2.90	2.91	2.53	2.50	2.28	2.13	2.06	1.79	1.12
	40-49	4.30	4.06	4.14	3.77	3.78	3.34	2.98	2.91	2.82	2.77	2.68	2.35	2.29	2.29	2.16	2.02	1.81	1.17
	50-59	4.55	4.44	4.40	4.22	3.91	3.59	3.17	2.97	2.91	2.80	2.81	2.54	2.48	2.24	2.21	2.18	1.99	1.31
	60-69	6.32	6.15	5.64	5.23	5.09	4.81	4.21	3.96	3.71	3.53	3.54	3.10	2.96	2.76	2.63	2.73	2.45	1.59
70+	8.20	7.91	7.17	6.96	6.26	6.04	4.84	4.59	4.52	4.14	4.06	3.46	3.50	3.27	3.10	2.97	2.90	2.21	

	Asthma Incidence Crude Rates (per 1,000 Ontario Population)																	
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012*	2013†
Deprivation Quintile†																		
Q1 (least marginalized)	6.59	6.22	6.30	6.11	6.15	5.57	5.31	5.19	5.38	5.73	5.64	5.19	5.18	5.28	5.01	4.78	4.26	2.78
Q2	8.71	8.15	8.13	7.57	7.34	6.50	5.97	5.78	5.63	5.78	5.35	4.78	4.60	4.61	4.36	4.20	3.64	2.40
Q3	9.67	9.25	8.92	8.40	7.98	7.10	6.51	6.22	6.04	5.82	5.45	4.83	4.67	4.59	4.28	4.13	3.66	2.42
Q4	10.81	10.22	9.69	9.19	8.69	7.65	6.91	6.63	6.25	5.98	5.63	4.98	4.83	4.74	4.41	4.25	3.75	2.51
Q5 (most marginalized)	12.35	11.79	11.38	10.41	10.14	8.92	8.05	7.41	7.20	6.92	6.41	5.61	5.66	5.33	5.18	4.95	4.25	2.82
Income Quintile																		
Q1 (lowest)	10.62	10.09	9.72	9.26	8.79	7.73	6.99	6.51	6.86	6.66	6.24	5.52	5.53	5.29	5.07	4.88	4.33	2.81
Q2	9.53	9.16	8.74	8.50	8.16	7.06	6.55	6.13	6.21	6.13	5.77	5.17	5.01	4.86	4.60	4.43	3.89	2.60
Q3	9.19	8.79	8.47	8.04	7.92	7.06	6.39	6.20	5.99	6.04	5.76	5.13	4.98	4.92	4.68	4.54	3.92	2.57
Q4	8.93	8.42	8.36	7.48	7.32	6.69	6.26	6.19	5.66	5.79	5.45	4.99	4.92	4.99	4.76	4.51	3.96	2.64
Q5 (highest)	8.14	7.54	7.63	7.09	6.92	6.20	5.72	5.49	5.16	5.23	4.99	4.42	4.32	4.40	4.03	3.86	3.41	2.27
Rurality†																		
Rural	9.26	8.72	8.51	7.52	7.09	6.37	5.70	5.27	4.72	4.62	4.16	3.56	3.48	3.32	3.05	3.01	2.58	1.67
Urban	9.32	8.84	8.62	8.18	7.95	7.04	6.49	6.23	6.17	6.17	5.86	5.26	5.16	5.11	4.85	4.64	4.09	2.70
Local Health Integration Network																		
1. Erie St. Clair	8.05	8.19	8.08	7.11	7.05	6.94	6.13	6.11	6.03	5.86	5.19	4.53	4.38	4.37	4.26	4.03	3.32	2.39
2. South West	7.30	6.85	6.52	6.25	6.13	5.67	5.01	4.63	4.35	4.31	4.19	3.84	4.11	3.88	3.68	3.50	3.11	1.79
3. Waterloo Wellington	7.61	6.64	6.18	6.39	6.19	5.33	4.75	5.01	4.83	5.04	4.41	3.69	3.57	3.41	3.44	3.31	2.81	1.73
4. Hamilton Niagara Haldimand Brant	7.97	7.51	7.42	7.15	7.00	6.11	5.47	5.18	5.25	5.23	4.63	4.23	4.12	4.13	3.96	3.76	3.32	2.29
5. Central West	11.18	10.78	10.17	9.86	9.69	9.03	8.51	8.56	8.51	8.59	8.21	7.49	7.38	7.23	6.95	6.91	5.76	3.72
6. Mississauga Halton	11.32	10.53	10.32	9.19	8.74	7.31	6.76	6.58	6.57	6.43	6.30	6.02	5.60	5.58	5.41	5.03	4.53	3.02
7. Toronto Central	10.11	9.87	9.23	8.80	8.60	7.45	6.69	6.47	6.30	6.20	5.95	5.26	5.30	5.17	4.86	4.85	4.36	3.02
8. Central	10.42	9.99	9.68	8.87	8.91	7.72	7.15	6.59	6.87	7.04	6.77	5.83	5.74	5.76	5.24	5.03	4.47	3.06
9. Central East	10.54	9.91	9.65	8.95	8.66	7.63	7.13	6.93	6.66	6.24	6.11	5.70	5.34	5.31	4.83	4.72	4.11	2.59
10. South East	8.18	7.31	7.14	7.00	6.59	5.55	5.27	5.12	5.04	5.15	4.39	3.80	3.76	3.76	3.74	3.37	3.14	1.93
11. Champlain	10.26	9.80	9.81	9.08	8.62	7.62	7.16	6.45	5.85	6.41	6.26	5.38	5.51	5.55	5.28	4.79	4.27	2.65
12. North Simcoe Muskoka	8.22	7.38	7.39	6.77	6.38	6.00	5.60	5.34	5.05	4.96	4.44	3.78	3.45	3.36	3.32	3.26	2.81	2.00
13. North East	7.76	7.21	7.83	7.36	6.93	6.39	5.88	5.67	5.36	4.86	4.63	4.12	3.94	3.72	3.33	3.35	2.99	2.23
14. North West	7.34	7.35	7.12	7.54	5.98	5.94	5.40	4.62	4.51	4.46	3.82	3.15	3.52	3.30	2.88	3.03	2.50	1.62

	Asthma Incidence Crude Rates (per 1,000 Ontario Population)																	
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012*	2013†
Public Health Unit																		
Algoma	7.17	6.14	5.88	5.55	5.53	5.26	3.64	3.98	4.15	4.17	4.32	3.93	3.40	3.24	3.03	3.21	2.69	n/a
Brant	10.32	10.63	9.61	8.33	8.40	7.70	6.70	6.09	6.64	5.96	5.20	4.39	4.02	3.88	3.47	3.27	3.14	n/a
Chatham-Kent	9.64	9.93	8.84	8.51	7.08	7.74	6.01	5.30	5.59	4.52	3.97	3.44	3.20	3.17	2.65	2.28	2.06	n/a
Durham	11.02	10.09	9.75	9.11	8.78	7.43	6.93	7.10	6.68	6.30	6.09	5.98	5.36	5.56	4.83	4.98	4.11	n/a
Eastern Ontario	11.05	10.53	10.29	9.59	8.69	8.28	7.33	6.39	6.21	7.00	6.47	5.22	5.02	5.06	4.94	4.60	3.83	n/a
Elgin-St Thomas	6.95	7.01	6.30	6.10	5.85	6.06	5.46	4.69	3.91	4.29	3.70	3.91	4.04	3.55	3.59	3.26	2.44	n/a
Grey-Bruce	7.32	6.31	5.99	6.35	5.92	4.99	4.67	3.93	3.83	3.79	3.43	2.88	2.83	2.68	2.70	2.89	2.38	n/a
Haldimand-Norfolk	7.26	7.25	6.41	6.87	6.63	6.09	5.64	5.83	5.42	4.84	4.22	3.73	4.11	3.87	3.33	3.20	2.78	n/a
Haliburton Kawartha	9.55	8.28	8.45	7.73	7.42	6.40	6.62	5.68	5.09	4.69	4.01	3.61	3.55	3.57	3.15	2.95	2.61	n/a
Halton	9.11	7.97	8.28	7.95	7.69	6.53	5.91	5.48	5.65	5.64	5.14	4.83	4.85	5.10	4.74	4.30	3.95	n/a
Hamilton	6.93	6.48	6.36	6.43	6.26	5.54	4.65	4.52	4.78	4.84	4.41	3.92	3.95	4.16	3.87	3.70	3.16	n/a
Hastings Prince Edward	9.09	7.58	7.25	6.66	6.17	5.08	4.99	4.70	4.74	4.52	4.01	3.36	3.55	3.42	3.22	2.63	2.65	n/a
Huron	7.67	6.33	6.53	7.03	6.44	5.73	4.82	4.34	3.38	3.83	3.39	3.05	2.99	2.97	2.88	2.56	1.98	n/a
Kingston Frontenac L&A	7.50	7.08	7.27	7.32	7.00	5.85	5.28	5.52	5.13	5.30	4.55	4.04	3.90	3.76	3.85	3.46	3.21	n/a
Lambton	8.19	8.27	8.53	7.29	7.04	6.50	5.43	5.33	5.40	5.58	5.40	4.33	4.34	4.77	4.49	4.41	3.64	n/a
Leeds, Grenville, Lanark	7.91	7.81	7.84	7.80	7.20	6.78	6.38	5.78	5.43	5.84	4.91	4.27	4.11	4.49	4.42	4.17	3.69	n/a
Middlesex-London	7.49	7.05	6.77	6.13	6.13	5.74	4.98	4.74	4.68	4.65	4.88	4.49	5.09	4.84	4.44	4.26	3.92	n/a
Niagara	8.26	7.68	7.85	7.24	7.24	6.34	6.02	5.61	5.32	5.43	4.76	4.54	4.29	4.03	4.19	4.04	3.55	n/a
North Bay Parry Sound District Health Unit	6.98	6.84	7.52	7.54	6.70	6.00	5.83	5.02	4.43	4.25	4.09	3.47	3.54	3.41	2.74	2.88	2.42	n/a
Northwestern	6.64	6.36	5.62	6.13	5.01	4.87	4.37	4.18	4.30	4.29	3.32	2.89	3.11	2.87	2.00	2.10	1.95	n/a
Ottawa	10.41	9.92	9.95	9.22	8.89	7.60	7.21	6.46	5.84	6.42	6.44	5.63	5.87	5.84	5.56	4.98	4.47	n/a
Oxford	6.89	6.89	5.98	6.10	6.27	5.95	5.06	5.21	4.65	4.50	4.19	3.65	3.36	3.30	2.84	2.58	2.73	n/a
Peel	11.55	11.11	10.70	9.65	9.16	8.16	7.67	7.74	7.67	7.87	7.63	7.17	6.73	6.50	6.29	6.19	5.30	n/a
Perth	7.19	7.00	7.04	6.74	6.41	5.77	5.36	4.66	4.29	3.65	3.05	2.88	3.12	2.63	3.12	2.57	1.92	n/a
Peterborough	9.92	9.87	10.14	9.11	8.71	7.72	6.99	6.47	5.82	5.14	4.82	4.24	3.78	4.18	3.89	3.98	3.75	n/a
Porcupine	7.40	6.88	7.54	6.91	6.09	5.47	5.80	5.80	5.97	5.12	5.11	3.98	4.74	4.36	3.61	2.65	2.83	n/a
Renfrew	8.76	8.03	7.68	6.94	6.34	5.92	5.87	6.02	5.32	5.35	4.75	3.89	3.77	4.18	3.84	3.69	3.63	n/a
Simcoe Muskoka District Health Unit	8.72	8.23	7.83	7.00	6.69	6.24	5.76	5.51	5.24	5.15	4.62	3.89	3.55	3.50	3.43	3.40	3.07	n/a
Sudbury	9.13	8.32	9.64	8.65	8.29	7.83	7.44	7.32	6.70	5.80	5.25	4.76	4.20	4.12	3.92	4.17	3.70	n/a
Thunder Bay	7.79	7.94	7.96	8.34	6.53	6.50	5.93	4.85	4.63	4.55	4.08	3.29	3.73	3.53	3.34	3.51	2.80	n/a
Timiskaming	5.45	6.25	6.32	6.66	6.91	5.81	5.41	4.24	3.82	3.47	2.90	3.90	3.64	2.56	2.45	2.72	2.43	n/a
Toronto	10.63	10.27	9.73	9.16	9.00	7.85	7.18	6.86	6.81	6.55	6.42	5.67	5.70	5.50	5.18	5.04	4.48	n/a
Waterloo	7.88	7.06	6.42	6.43	6.03	5.32	4.60	4.87	4.78	5.03	4.25	3.62	3.47	3.21	3.25	3.17	2.71	n/a
Wellington-Dufferin-Guelph	7.56	6.21	6.24	6.48	6.78	5.69	5.17	5.44	5.12	5.07	4.78	3.99	3.82	3.87	3.86	3.58	2.91	n/a
Windsor-Essex	7.51	7.61	7.69	6.62	7.05	6.87	6.40	6.59	6.35	6.32	5.47	4.89	4.72	4.56	4.62	4.38	3.56	n/a
York Region	9.76	9.23	9.15	8.60	8.74	7.46	7.07	6.44	6.96	7.37	7.07	6.12	5.87	6.10	5.54	5.17	4.58	n/a

* Reporting period is from April 1996 to March 2014. Data for 2012 and 2013 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 socio economic status.

‡ Rural communities defined as those with fewer than 10,000 people.

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