

Emergency Department Visit Rates per 100 Children with Asthma in Ontario by ICD-10 Chapter														
Sex	Age Groups	ICD-10 Chapter	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	
All	All	Perinatal period	0.04	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.02	
		Infectious & parasitic	1.59	1.57	1.88	3.41	3.00	3.02	3.03	2.99	3.32	3.50	3.23	
		Congenital abnormalities	0.02	0.02	0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
		Blood & blood-forming organs	0.08	0.08	0.09	0.08	0.10	0.09	0.10	0.10	0.11	0.10	0.10	0.09
		Circulatory system	0.12	0.12	0.17	0.19	0.21	0.23	0.19	0.20	0.20	0.20	0.20	0.20
		Digestive system	2.03	2.10	2.36	1.47	1.48	1.58	1.59	1.57	1.54	1.54	1.54	1.51
		Ear & mastoid process	2.41	2.07	2.09	1.96	2.12	2.20	2.02	1.83	1.90	1.90	1.90	1.72
		Eye & adnexa	0.73	0.66	0.64	0.57	0.61	0.63	0.56	0.55	0.55	0.58	0.58	0.52
		Genitourinary system	1.12	1.25	1.48	1.46	1.55	1.62	1.58	1.51	1.58	1.61	1.61	1.57
		Musculoskeletal system	1.18	1.22	1.22	1.18	1.27	1.35	1.30	1.32	1.39	1.41	1.41	1.42
		Nervous system	0.25	0.26	0.35	0.38	0.40	0.42	0.42	0.44	0.48	0.47	0.47	0.46
		Respiratory system	9.78	9.31	9.88	11.77	9.85	10.41	10.23	9.49	11.21	10.55	10.55	9.75
		Skin & subcutaneous tissue	1.32	1.31	1.44	1.33	1.47	1.56	1.51	1.55	1.54	1.49	1.49	1.48
		Endocrine, nutritional & metabolic	0.14	0.14	0.16	0.17	0.17	0.18	0.17	0.18	0.18	0.20	0.20	0.19
		Factors influencing health status	1.87	1.89	1.70	1.66	1.62	1.72	1.56	1.60	1.52	1.50	1.50	1.44
		Injury & poisoning	10.93	11.14	11.60	11.45	11.53	11.99	11.87	12.14	12.19	12.75	12.75	12.85
		Mental & behavioural	1.01	1.08	1.19	1.21	1.37	1.59	1.68	1.85	1.94	1.96	1.96	2.15
		Neoplasms	0.02	0.02	0.03	0.02	0.03	0.03	0.03	0.02	0.02	0.03	0.03	0.03
		Pregnancy	0.20	0.22	0.26	0.27	0.28	0.27	0.25	0.25	0.23	0.19	0.19	0.19
		Symptoms not elsewhere classified	7.11	7.39	7.02	7.35	7.27	7.82	7.64	7.96	8.35	8.69	8.69	8.56
All	<1	Perinatal period	1.71	1.67	1.35	1.64	1.64	2.06	1.86	2.04	1.96	1.84	1.65	
		Infectious & parasitic	8.93	9.54	11.13	17.04	19.01	18.19	17.62	17.07	19.68	21.52	21.46	
		Congenital abnormalities	0.30	0.29	0.45	0.39	0.47	0.42	0.27	0.35	0.33	0.42	0.26	
		Blood & blood-forming organs	0.26	0.27	0.23	0.26	0.10	0.27	0.18	0.15	0.13	0.31	0.26	
		Circulatory system	0.10	0.07	0.11	0.21	0.18	0.25	0.13	0.19	0.28	0.17	0.19	
		Digestive system	9.92	8.99	9.42	3.65	3.21	3.38	3.19	3.32	2.70	2.74	2.68	
		Ear & mastoid process	10.14	8.91	9.52	9.83	10.77	10.05	9.75	9.63	9.28	10.32	8.81	
		Eye & adnexa	1.76	1.73	1.76	1.58	1.59	1.82	1.65	1.53	1.77	2.05	1.29	
		Genitourinary system	1.12	1.08	1.38	1.59	1.75	1.51	2.02	1.73	1.68	1.62	1.34	
		Musculoskeletal system	0.26	0.30	0.36	0.31	0.36	0.23	0.24	0.31	0.28	0.35	0.36	
		Nervous system	0.18	0.06	0.21	0.22	0.30	0.35	0.36	0.41	0.48	0.31	0.28	
		Respiratory system	56.49	54.74	59.93	65.92	63.05	67.52	67.88	68.47	76.24	76.60	79.04	
		Skin & subcutaneous tissue	3.10	3.07	2.88	2.67	3.01	3.39	3.28	3.70	3.61	3.64	3.61	
		Endocrine, nutritional & metabolic	0.35	0.39	0.30	0.33	0.38	0.32	0.36	0.35	0.37	0.58	0.40	
		Factors influencing health status	4.21	4.18	3.52	3.33	2.89	3.49	3.06	3.19	3.22	3.15	3.45	
		Injury & poisoning	8.95	8.71	9.69	9.68	9.65	11.10	10.23	11.26	11.21	11.09	11.69	
		Mental & behavioural	0.05	0.05	0.05	0.03	0.07	0.05	0.04	0.02	0.04	0.02	0.06	
		Neoplasms	0.01	0.07	0.06	0.05	0.08	0.04	0.07	0.05	0.07	0.01	0.08	
		Symptoms not elsewhere classified	26.41	27.03	22.89	22.26	24.05	24.12	24.02	24.91	26.50	28.79	29.02	

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Sex	Age Groups	ICD-10 Chapter	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
All	1-4	Perinatal period	0.00	0.00	.	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.01
		Infectious & parasitic	3.79	3.89	4.42	8.07	7.84	7.83	7.84	7.86	8.83	9.74	8.99
		Congenital abnormalities	0.03	0.03	0.03	0.02	0.04	0.04	0.05	0.05	0.03	0.03	0.04
		Blood & blood-forming organs	0.16	0.12	0.12	0.15	0.17	0.17	0.21	0.17	0.14	0.17	0.16
		Circulatory system	0.13	0.10	0.11	0.14	0.19	0.20	0.16	0.16	0.19	0.20	0.20
		Digestive system	3.73	4.06	3.86	1.56	1.56	1.61	1.63	1.66	1.63	1.61	1.65
		Ear & mastoid process	6.45	5.97	6.14	5.39	6.21	6.48	6.36	5.91	5.99	6.10	5.47
		Eye & adnexa	1.14	1.03	1.09	0.91	1.07	1.12	1.00	1.03	1.12	1.23	1.02
		Genitourinary system	1.14	1.25	1.33	1.30	1.45	1.55	1.56	1.62	1.62	1.72	1.58
		Musculoskeletal system	0.66	0.68	0.64	0.64	0.74	0.83	0.71	0.73	0.80	0.89	0.95
		Nervous system	0.11	0.14	0.18	0.16	0.22	0.19	0.24	0.20	0.26	0.22	0.22
		Respiratory system	23.61	23.25	24.93	28.47	27.97	28.84	29.67	29.12	32.91	32.58	31.19
		Skin & subcutaneous tissue	1.88	1.83	2.04	1.97	2.08	2.35	2.16	2.35	2.34	2.33	2.35
		Endocrine, nutritional & metabolic	0.17	0.20	0.19	0.16	0.19	0.18	0.20	0.21	0.17	0.24	0.17
		Factors influencing health status	1.62	1.63	1.33	1.32	1.39	1.50	1.34	1.30	1.30	1.33	1.25
		Injury & poisoning	8.99	9.07	9.68	9.97	9.80	10.50	10.25	10.67	10.58	10.95	10.91
		Mental & behavioural	0.04	0.04	0.06	0.05	0.06	0.07	0.06	0.07	0.06	0.08	0.06
		Neoplasms	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.01	0.02	0.02
Symptoms not elsewhere classified	10.58	10.93	10.16	10.52	10.77	11.01	10.90	11.51	12.19	13.76	12.92		
All	5-14												
		Infectious & parasitic	1.07	1.04	1.31	2.49	2.02	2.07	2.05	2.07	2.32	2.47	2.30
		Congenital abnormalities	0.01	0.01	0.02	0.01	0.02	0.01	0.01	0.02	0.02	0.01	0.01
		Blood & blood-forming organs	0.06	0.07	0.09	0.07	0.08	0.07	0.09	0.10	0.10	0.09	0.08
		Circulatory system	0.09	0.09	0.12	0.14	0.15	0.17	0.15	0.16	0.17	0.18	0.17
		Digestive system	1.31	1.38	1.64	1.09	1.10	1.16	1.19	1.18	1.18	1.19	1.23
		Ear & mastoid process	1.94	1.62	1.65	1.61	1.69	1.83	1.58	1.39	1.47	1.47	1.40
		Eye & adnexa	0.57	0.51	0.49	0.44	0.47	0.51	0.44	0.44	0.42	0.45	0.43
		Genitourinary system	0.59	0.67	0.82	0.77	0.85	0.87	0.87	0.81	0.88	0.90	0.90
		Musculoskeletal system	0.92	0.94	0.92	0.90	0.97	1.03	1.01	1.03	1.09	1.13	1.13
		Nervous system	0.18	0.19	0.26	0.30	0.30	0.30	0.31	0.33	0.35	0.31	0.31
		Respiratory system	6.49	6.35	6.72	8.77	6.64	7.39	6.78	6.23	7.73	7.08	6.60
		Skin & subcutaneous tissue	1.10	1.10	1.19	1.05	1.19	1.27	1.24	1.27	1.30	1.24	1.23
		Endocrine, nutritional & metabolic	0.10	0.11	0.11	0.14	0.12	0.12	0.13	0.14	0.13	0.13	0.13
		Factors influencing health status	1.28	1.28	1.14	1.08	1.02	1.09	0.98	1.03	1.02	0.99	0.94
		Injury & poisoning	10.22	10.35	10.89	10.79	10.84	11.34	11.33	11.60	11.76	12.37	12.52
		Mental & behavioural	0.54	0.55	0.61	0.59	0.64	0.77	0.86	0.91	0.93	0.92	1.00
		Neoplasms	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.02
Pregnancy	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00		
Symptoms not elsewhere classified	4.98	5.17	5.03	5.41	5.14	5.67	5.47	5.75	6.08	6.39	6.50		

Emergency Department Visit Rates per 100 Children with Asthma in Ontario by ICD-10 Chapter

Sex	Age Groups	ICD-10 Chapter	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	
Female	15-19	Infectious & parasitic	1.44	1.44	1.73	3.15	2.61	2.64	2.89	2.71	2.90	2.94	3.02	
		Congenital abnormalities	0.02	0.01	0.01	0.02	0.01	0.01	0.01	0.02	0.01	0.01	0.02	0.01
		Blood & blood-forming organs	0.08	0.09	0.10	0.08	0.08	0.09	0.11	0.10	0.10	0.14	0.12	0.13
		Circulatory system	0.17	0.19	0.33	0.31	0.33	0.35	0.25	0.29	0.28	0.26	0.26	0.29
		Digestive system	2.74	2.77	3.43	2.51	2.49	2.69	2.69	2.69	2.66	2.55	2.31	2.31
		Ear & mastoid process	1.15	1.07	1.04	1.08	1.09	1.07	0.99	0.96	1.07	0.97	0.99	0.99
		Eye & adnexa	0.94	0.88	0.79	0.74	0.74	0.67	0.66	0.66	0.59	0.60	0.60	0.62
		Genitourinary system	4.30	4.61	5.27	5.14	5.25	5.48	5.21	5.02	5.15	5.27	5.07	5.07
		Musculoskeletal system	2.46	2.52	2.42	2.22	2.40	2.62	2.44	2.50	2.57	2.62	2.62	2.62
		Nervous system	0.68	0.66	0.87	0.89	0.89	0.97	0.92	1.00	1.07	1.19	1.09	1.09
		Respiratory system	8.73	8.00	8.57	9.73	7.31	7.57	7.71	6.74	8.08	7.58	7.36	7.36
		Skin & subcutaneous tissue	1.55	1.51	1.63	1.56	1.76	1.81	1.81	1.80	1.76	1.74	1.76	1.76
		Endocrine, nutritional & metabolic	0.23	0.20	0.29	0.25	0.23	0.29	0.24	0.29	0.36	0.43	0.38	0.38
		Factors influencing health status	3.66	3.60	3.30	3.21	3.08	3.27	3.07	3.09	2.94	2.96	2.88	2.88
		Injury & poisoning	11.59	11.78	12.06	11.60	11.71	12.06	12.38	12.76	12.95	13.91	14.21	14.21
		Mental & behavioural	2.98	3.13	3.12	3.08	3.42	4.02	4.30	4.94	5.19	5.27	5.81	5.81
		Neoplasms	0.03	0.02	0.05	0.02	0.04	0.04	0.03	0.04	0.04	0.07	0.06	0.06
Pregnancy	1.59	1.58	1.85	1.85	1.89	1.81	1.66	1.64	1.54	1.28	1.26	1.26		
Symptoms not elsewhere classified	12.00	12.49	11.89	12.20	12.05	13.05	12.85	13.37	14.05	14.02	14.06	14.06		
Male	15-19	Infectious & parasitic	0.78	0.79	1.01	1.88	1.44	1.51	1.57	1.59	1.67	1.65	1.69	
		Congenital abnormalities	0.01	0.01	0.02	0.01	0.02	0.02	0.01	0.02	0.01	0.02	0.01	
		Blood & blood-forming organs	0.04	0.06	0.05	0.07	0.10	0.07	0.08	0.07	0.08	0.07	0.06	
		Circulatory system	0.19	0.18	0.26	0.26	0.29	0.33	0.25	0.23	0.23	0.20	0.21	
		Digestive system	1.58	1.65	1.92	1.47	1.53	1.65	1.64	1.53	1.50	1.58	1.54	
		Ear & mastoid process	0.75	0.70	0.74	0.67	0.72	0.75	0.67	0.59	0.62	0.66	0.66	
		Eye & adnexa	0.65	0.55	0.56	0.50	0.53	0.51	0.46	0.41	0.42	0.41	0.40	
		Genitourinary system	0.47	0.50	0.63	0.64	0.66	0.72	0.70	0.66	0.73	0.71	0.78	
		Musculoskeletal system	1.61	1.63	1.64	1.56	1.64	1.65	1.66	1.63	1.72	1.61	1.61	
		Nervous system	0.29	0.27	0.34	0.36	0.40	0.44	0.45	0.47	0.50	0.54	0.51	
		Respiratory system	4.77	4.47	4.85	5.76	4.20	4.19	4.50	3.69	4.52	4.08	4.18	
		Skin & subcutaneous tissue	1.27	1.27	1.45	1.38	1.45	1.49	1.41	1.45	1.34	1.32	1.35	
		Endocrine, nutritional & metabolic	0.15	0.14	0.16	0.18	0.21	0.27	0.21	0.19	0.17	0.18	0.18	
		Factors influencing health status	2.44	2.44	2.17	2.12	2.16	2.18	1.92	2.01	1.76	1.70	1.68	
		Injury & poisoning	14.79	14.98	14.87	14.28	14.42	14.55	13.99	13.98	13.75	14.03	13.82	
		Mental & behavioural	2.05	2.05	2.28	2.33	2.71	2.95	2.96	3.19	3.40	3.45	3.72	
		Neoplasms	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.02	0.03	0.03	
Symptoms not elsewhere classified	5.38	5.68	5.35	5.55	5.60	6.12	6.02	6.19	6.30	6.30	6.40			

Note: Any cell counts <6 were set to '.' and rows with only '.' and/or '0.00' were removed.

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