

Asthma Indicators for LHIN 6: Mississauga Halton

Indicator	Asthma Indicators for LHIN 6: Mississauga Halton																						
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017*	2018*
1. PFT used for diagnosis (% of incident asthma) [†]	54.69	55.53	50.94	48.50	46.92	48.54	48.18	46.98	47.54	48.13	50.57	51.89	50.03	49.69	51.76	49.90	48.15	46.82	47.89	51.07	51.97	54.56	56.47
2. PFT used for monitoring (% of prevalent asthma) [†]	16.77	15.64	15.44	13.10	11.05	10.25	9.25	8.65	8.19	7.94	8.05	8.00	7.96	7.43	7.29	7.13	6.80	6.28	6.16	6.19	6.45	6.39	6.67
3. ≥1 ICS prescription (% of prevalent asthma) [‡]	56.56	54.65	53.18	51.80	51.04	50.64	49.16	47.18	48.11	47.60	46.54	46.46	46.76	45.93	46.43	48.61	48.39	48.65	47.97	48.08	46.76	43.98	41.22
4. ≥1 β2-agonist prescription (% of prevalent asthma) [‡]	57.76	55.65	53.31	51.43	50.50	48.05	45.18	42.72	41.44	39.49	37.24	37.38	35.69	34.50	34.26	35.27	34.31	33.28	30.57	22.14	22.38	20.92	21.45
5. ≥1 asthma ED visit (% of prevalent asthma)	4.74	3.83	3.47	2.97	2.75	2.43	2.32	1.73	1.60	1.58	1.53	1.35	1.19	1.08	1.01	0.98	0.83	0.81	0.79	0.80	0.71	0.70	0.73
6. ≥1 asthma physician office visit (% of prevalent asthma)	39.18	34.98	32.09	30.89	27.73	26.55	23.79	22.07	21.42	20.89	19.98	19.43	18.80	17.54	17.69	16.85	15.89	15.41	15.32	15.30	14.10	13.68	13.54
7. β2-agonist use (% of prevalent asthma) [‡]																							
0	42.24	44.35	46.69	48.57	49.50	51.95	54.82	57.28	58.56	60.51	62.76	62.62	64.31	65.50	65.74	64.73	65.69	66.72	69.43	77.86	77.62	79.08	78.55
1-2	19.10	19.37	19.00	19.46	19.43	18.85	17.60	17.32	17.42	17.53	16.82	17.25	16.95	16.73	16.78	17.55	17.28	17.37	16.37	11.52	11.99	11.00	11.55
≥3	38.66	36.27	34.31	31.97	31.07	29.20	27.58	25.40	24.02	21.97	20.41	20.13	18.74	17.77	17.48	17.72	17.03	15.91	14.20	10.62	10.39	9.92	9.90

*Reporting period is from April 1996 to March 2019. Data for 2017 and 2018 may be incomplete due to the 2-year algorithm to identify asthma, and numbers are subject to change.

PFT = pulmonary function test; ICS = inhaled corticosteroid; ED = emergency department; ODB = Ontario Drug Benefit; OHIP = Ontario Health Insurance Plan; LHIN = Local Health Integration Network; HSU = health services use

[†]PFT data refers to individuals aged 7-99 years in the asthma prevalent population.

[‡]Drug use data refers to individuals aged 66-99 years with complete year ODB coverage in the asthma prevalent population.

Technical notes:

^aOHIP data was up to December 2019 when the tables were created.

^bFor asthma incidence from July 2017 to March 2019, PFT data for 2.5-year post asthma incidence are not complete as latest data were available up to December 2019 when the tables were created.

^cIndividuals with missing LHIN, rurality, or without OHIP coverage were excluded.

^dAsthma incidence of the year were excluded from this table, except for indicator 1.

^eIndex date is defined as the first service date of asthma HSU, or any HSU if there was no asthma HSU, or April 1 if there was no HSU during the year.

Asthma indicators - detailed description:

1. Percent of asthma incidence aged 7 years and above with a PFT in one year prior to or 2.5 years after incidence date^{a-c}
2. Percent of asthma prevalence aged 7 years and above with a PFT in one year prior to the index date^{a,c-e}
3. Percent of asthma prevalence 66 years and above with at least one prescription of ICS in one year prior to the index date^{c-e}
4. Percent of asthma prevalence aged 66 years and above with at least one prescription of β2-agonist in one year prior to the index date^{c-e}
5. Percent of asthma prevalence with at least one ED visit in one year prior to the index date^{c-e}
6. Percent of asthma prevalence with at least one physician office visit in one year prior to the index date^{c-e}
7. Distribution of the three categories of β2-agonist use for asthma prevalence aged 66 years and above^{c,d}

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