

## Asthma Indicators for LHIN 12: North Simcoe Muskoka

Indicator	Asthma Indicators for LHIN 12: North Simcoe Muskoka																						
	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) <sup>†</sup>	47.68	46.52	45.85	44.48	46.51	49.47	49.05	44.95	50.76	52.75	55.21	55.80	56.05	57.57	60.99	60.05	60.16	58.63	60.05	66.38	64.86	61.64	59.83
2. PFT used for monitoring (% of prevalent asthma) <sup>†</sup>	13.30	11.36	10.57	9.58	8.69	8.61	8.04	7.29	7.29	7.22	7.19	6.93	6.66	6.61	6.78	6.81	6.48	6.08	6.03	6.01	6.40	6.41	6.13
3. ≥1 ICS prescription (% of prevalent asthma) <sup>‡</sup>	58.54	56.57	55.49	53.80	53.02	52.87	51.38	49.72	49.41	48.76	48.62	48.36	48.29	47.72	48.68	48.85	48.01	48.79	46.88	47.92	46.71	43.61	40.46
4. ≥1 β2-agonist prescription (% of prevalent asthma) <sup>‡</sup>	64.14	61.59	59.60	57.94	56.91	54.42	52.25	50.81	49.12	47.07	45.42	43.92	41.74	40.00	40.35	39.67	37.31	37.52	35.52	25.73	25.60	24.30	23.80
5. ≥1 asthma ED visit (% of prevalent asthma)	8.01	7.13	5.72	5.43	5.13	4.28	3.89	3.06	3.16	2.80	2.63	2.48	2.15	1.93	1.69	1.54	1.34	1.40	1.26	1.28	1.14	1.09	1.07
6. ≥1 asthma physician office visit (% of prevalent asthma)	33.90	31.00	28.46	27.07	24.83	24.13	21.94	20.01	19.48	18.68	17.41	16.39	14.24	12.95	12.49	11.62	10.84	10.43	9.95	9.78	9.48	9.14	9.15
7. β2-agonist use (% of prevalent asthma) <sup>‡</sup>																							
0	35.86	38.41	40.40	42.06	43.09	45.58	47.75	49.19	50.88	52.93	54.58	56.08	58.26	60.00	59.65	60.33	62.69	62.48	64.48	74.27	74.40	75.70	76.20
1-2	17.43	17.83	17.16	16.33	17.25	17.22	17.02	17.68	16.48	17.58	17.78	17.36	17.58	17.18	17.63	17.71	16.56	18.10	16.58	12.21	12.54	11.64	11.36
≥3	46.71	43.76	42.44	41.61	39.66	37.20	35.23	33.13	32.64	29.49	27.63	26.56	24.16	22.82	22.73	21.96	20.75	19.42	18.94	13.52	13.07	12.66	12.44

\*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

<sup>†</sup>PFT data refers to individuals aged 7-99 years in the asthma prevalent population.

<sup>‡</sup>Drug use data refers to individuals aged 66-99 years with complete year ODB coverage in the asthma prevalent population.

### Technical notes:

<sup>a</sup>OHIP data was up to December 2019 when the tables were created.

<sup>b</sup>For 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.

<sup>c</sup>Individuals with missing LHIN, rurality, or without OHIP coverage were excluded.

<sup>d</sup>Asthma incidence of the year were excluded from this table, except for indicator 1.

<sup>e</sup>Index 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<sup>a-c</sup>
2. Percent of asthma prevalence aged 7 years and above with a PFT in one year prior to the index date<sup>a,c-e</sup>
3. Percent of asthma prevalence 66 years and above with at least one prescription of ICS in one year prior to the index date<sup>c-e</sup>
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<sup>c-e</sup>
5. Percent of asthma prevalence with at least one ED visit in one year prior to the index date<sup>c-e</sup>
6. Percent of asthma prevalence with at least one physician office visit in one year prior to the index date<sup>c-e</sup>
7. Distribution of the three categories of β2-agonist use for asthma prevalence aged 66 years and above<sup>c,d</sup>

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