

## Asthma Indicators for LHIN 5: Central West

Indicator	Asthma Indicators for LHIN 5: Central West																						
	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>	46.16	46.61	43.31	41.45	40.46	40.16	37.20	34.49	34.70	35.44	36.83	38.08	41.16	41.60	46.03	45.06	42.98	43.16	42.17	45.25	42.94	46.83	49.51
2. PFT used for monitoring (% of prevalent asthma) <sup>†</sup>	13.77	12.11	11.40	10.08	8.85	8.24	7.09	6.63	6.09	5.96	6.18	6.10	5.72	6.10	6.06	6.03	6.01	5.69	5.45	5.40	5.43	5.33	5.52
3. ≥1 ICS prescription (% of prevalent asthma) <sup>‡</sup>	56.58	55.59	53.14	52.64	51.64	50.71	50.26	48.91	49.23	47.95	47.46	48.13	47.53	46.92	47.49	50.82	49.89	50.20	50.32	50.62	49.48	46.96	44.60
4. ≥1 β2-agonist prescription (% of prevalent asthma) <sup>‡</sup>	58.34	56.50	54.78	54.03	52.92	49.89	47.66	45.75	44.64	43.46	41.34	40.56	38.87	37.62	37.79	38.63	37.29	35.68	32.59	25.33	24.62	23.00	23.90
5. ≥1 asthma ED visit (% of prevalent asthma)	4.66	3.68	3.47	3.02	3.02	2.47	2.41	1.91	1.78	1.77	1.71	1.56	1.38	1.30	1.21	1.09	0.99	1.00	0.86	0.99	0.90	0.85	0.96
6. ≥1 asthma physician office visit (% of prevalent asthma)	40.55	36.19	32.74	31.31	29.05	28.08	25.52	23.56	23.44	23.02	22.56	21.65	20.29	19.34	19.52	17.99	17.50	16.52	15.82	15.93	15.28	14.76	14.70
7. β2-agonist use (% of prevalent asthma) <sup>‡</sup>																							
0	41.66	43.50	45.22	45.97	47.08	50.11	52.34	54.25	55.36	56.54	58.66	59.44	61.13	62.38	62.21	61.37	62.71	64.32	67.41	74.67	75.38	77.00	76.10
1-2	19.33	20.62	20.04	19.94	21.16	19.71	19.25	18.37	18.65	19.64	18.27	18.36	17.94	17.73	17.39	18.06	17.49	17.39	15.94	12.70	12.21	11.31	11.88
≥3	39.01	35.88	34.74	34.09	31.76	30.17	28.41	27.38	26.00	23.81	23.06	22.20	20.93	19.89	20.39	20.57	19.80	18.30	16.66	12.63	12.41	11.69	12.03

\*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.