

Asthma Indicators for LHIN 3: Waterloo Wellington

Indicator	Asthma Indicators for LHIN 3: Waterloo Wellington																						
	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) [†]	34.97	37.38	39.44	40.74	43.32	42.67	46.69	44.58	47.79	45.31	47.84	49.24	52.60	54.19	53.59	54.84	56.49	56.33	55.73	57.51	60.04	64.89	65.38
2. PFT used for monitoring (% of prevalent asthma) [†]	10.13	8.39	8.50	8.50	8.09	7.79	7.19	7.29	6.68	6.61	6.51	6.44	6.37	6.54	6.36	6.34	6.20	5.73	5.70	5.93	6.23	6.69	6.65
3. ≥1 ICS prescription (% of prevalent asthma) [‡]	62.50	60.75	58.08	57.34	57.06	56.47	54.82	53.81	53.69	53.71	52.99	53.13	53.20	52.81	51.85	52.07	52.52	53.06	51.70	52.46	50.78	48.82	46.86
4. ≥1 β2-agonist prescription (% of prevalent asthma) [‡]	66.45	62.64	60.70	59.66	58.66	56.98	54.26	51.30	50.15	48.47	45.84	45.43	44.35	42.62	41.52	41.74	40.93	40.73	38.36	27.27	25.89	24.33	24.48
5. ≥1 asthma ED visit (% of prevalent asthma)	5.72	4.86	3.94	3.68	4.08	3.36	3.11	2.68	2.67	2.45	2.19	1.98	1.80	1.51	1.47	1.25	1.24	1.17	1.02	1.11	0.95	0.91	0.91
6. ≥1 asthma physician office visit (% of prevalent asthma)	37.06	33.79	29.95	27.18	25.80	24.93	21.97	20.23	19.38	18.44	17.99	17.07	15.23	13.84	13.20	12.39	11.67	11.12	10.44	10.15	9.71	9.45	9.57
7. β2-agonist use (% of prevalent asthma) [‡]																							
0	33.55	37.36	39.30	40.34	41.34	43.02	45.74	48.70	49.85	51.53	54.16	54.57	55.65	57.38	58.48	58.26	59.07	59.27	61.64	72.73	74.11	75.67	75.52
1-2	17.83	18.32	17.43	18.28	19.14	18.90	18.34	18.14	18.14	19.42	19.12	19.58	20.78	20.30	19.73	20.24	19.95	20.24	19.57	13.89	13.03	12.60	12.36
≥3	48.62	44.32	43.27	41.38	39.52	38.08	35.92	33.16	32.01	29.05	26.72	25.85	23.57	22.33	21.79	21.50	20.99	20.49	18.79	13.38	12.87	11.73	12.12

*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.