

Table 6: Crude provincial prevalence estimates for asthma algorithms, 2001/02 – 2005/06

# Years	Algorithms	All Ages (%)	12 - 18 Years (%)	19 - 49 Years (%)	50+ Years (%)
1	1 1+P	3.7	5.2	3.6	3.3
	2 2+P	2.0	2.6	1.9	1.9
	3 1+Rx	8.1	7.8	6.6	10.2
	4 1+ H or 1+ P	4.0	5.3	3.6	4.0
	5 1+ H or 2+ P	2.3	2.6	1.9	2.8
	6 1+ H or 1+ P or 1+ Rx	9.0	9.1	7.4	11.0
	7 1+ H or 2+ P or 2+ Rx	5.9	5.4	4.4	8.0
2	8 1+ P	5.7	8.4	5.5	5.0
	9 2+P	3.4	4.8	3.3	3.2
	10 1+Rx	10.7	11.2	9.1	12.7
	11 1+H or 1+ P	6.1	8.4	5.5	6.1
	12 1+ H or 2+ P	3.9	4.8	3.3	4.4
	13 1+ H or 1+ P or 1+ Rx	12.0	13.0	10.3	13.9
	14 1+ H or 2+ P or 2+ Rx	8.0	8.4	6.4	10.2
3	15 1+ P	7.3	11.1	7.0	6.4
	16 2+ P	4.6	6.8	4.4	4.3
	17 1+Rx	12.7	13.9	11.0	14.5
	18 1+H or 1+ P	7.7	11.2	7.1	7.4
	19 1+ H or 2+ P	5.1	6.9	4.5	5.4
	20 1+ H or 1+ P or 1+ Rx	14.2	16.2	12.5	16.0
	21 1+H or 2+P or 2+Rx	9.6	10.9	7.8	11.6
5	22 1+P	9.9	15.7	9.5	8.6
	23 2+P	6.6	10.4	6.3	6.0
	24 1+ Rx	15.9	18.6	14.0	17.3
	25 1+H or 1+ P	10.3	15.8	9.6	9.5
	26 1+ H or 2+ P	7.1	10.4	6.3	7.1
	27 1+H or 1+ P or 1+Rx	17.9	21.6	16.0	19.2
	28 1+ H or 2+ P or 2+Rx	12.1	14.9	10.1	13.7

Notes:

- * # Years = number of years of administrative data to which the case ascertainment algorithm was applied. For example, 1+P in one year identifies individuals as disease cases if they had one or more physician billing claims with the relevant diagnosis code(s) in a one-year period. The algorithm 1+H or 2+P in one year identifies individuals as disease cases if they had one or more hospitalization or two or more physician claims with the relevant diagnosis code(s) in a one-year period.
- * 1-year estimates are for 2005/06, 2-year estimates are for 2004/05 - 2005/06, 3-year estimates are for 2003/04 - 2005/06, 5-year estimates are for 2001/02 - 2005/06.
- * H = Hospital separation; P = Physician billing claim; Rx = Prescription drug record.

Source: Lix L, Yogendran M, Mann J. *Defining and Validating Chronic Diseases: An Administrative Data Approach. An Update with ICD-10-CA*. Winnipeg, MB: Manitoba Centre for Health Policy, November 2008.