

Supplementary Table 1a. Age-standardized annual prevalence estimates of Parkinsonism per 100 persons (≥ 20 years old) in Ontario

Case Definition	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
2 P in 1 y	0.20	0.21	0.21	0.21	0.21	0.22	0.22	0.22	0.22	0.22	0.23
2 P in 2 y	0.21	0.21	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.23
H or 2 P in 1 y	0.24	0.25	0.25	0.25	0.25	0.26	0.26	0.26	0.26	0.26	0.26
(H or (2 P in 1 y)) or (1 Rx and (1 H or 1 P))	0.27	0.27	0.28	0.28	0.28	0.29	0.29	0.28	0.28	0.28	0.29
(2 P in 1 y) or (1 Rx and 1 P)	0.24	0.24	0.25	0.25	0.25	0.25	0.26	0.26	0.26	0.26	0.26
(2 P in 1 y) or (1 Rx and (1 P) +/- 6 months)	0.23	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.25	0.25	0.25

Supplementary Table 1b. Age-standardized annual incidence estimates of Parkinsonism per 1000 persons (≥ 20 years old) in Ontario

Case Definition	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
2 P in 1 y	0.32	0.29	0.29	0.28	0.28	0.30	0.29	0.28	0.28	0.27	0.27
2 P in 2 y	0.33	0.30	0.31	0.29	0.28	0.32	0.30	0.29	0.29	0.28	0.28
H or 2 P in 1 y	0.42	0.40	0.40	0.36	0.36	0.38	0.34	0.33	0.33	0.33	0.34
(H or (2 P in 1 y)) or (1 Rx and (1 H or 1 P))	0.46	0.43	0.44	0.41	0.40	0.42	0.38	0.38	0.37	0.36	0.37
(2 P in 1 y) or (1 Rx and 1 P)	0.38	0.35	0.36	0.34	0.34	0.36	0.34	0.34	0.33	0.32	0.33
(2 P in 1 y) or (1 Rx and (1 P) +/- 6 months)	0.37	0.34	0.35	0.33	0.33	0.35	0.33	0.33	0.32	0.31	0.32

P= physician billing code; y = years; H = hospitalization diagnosis code; Rx = prescription including levodopa drugs, MAO-B inhibitors, dopamine agonists and COMT inhibitors.

Supplementary Table 2a. Age-standardized annual prevalence estimates of Parkinsonism per 100 persons (≥ 65 years old) in Ontario

Case Definition	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
2 P in 1 y	1.04	1.05	1.06	1.07	1.07	1.08	1.09	1.09	1.09	1.09	1.09
2 P in 2 y	1.08	1.09	1.10	1.11	1.11	1.12	1.13	1.13	1.13	1.13	1.13
H or 2 P in 1 y	1.24	1.26	1.27	1.26	1.26	1.26	1.26	1.24	1.24	1.23	1.23
1 Rx and (1 H or 1 P) +/- 6 months	1.12	1.12	1.12	1.12	1.12	1.13	1.13	1.12	1.12	1.11	1.11
(2 P in 1 y) or (1 Rx and (1 P) +/- 6 months)	1.24	1.25	1.26	1.26	1.26	1.27	1.28	1.27	1.27	1.27	1.26
1 Rx and (1 P) +/- 6 months	1.08	1.09	1.09	1.09	1.10	1.11	1.10	1.10	1.10	1.09	1.08

Supplementary Table 2b. Age-standardized annual incidence estimates of Parkinsonism per 1000 persons (≥ 65 years old) in Ontario

Case Definition	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
2 P in 1 y	1.77	1.63	1.61	1.54	1.55	1.69	1.62	1.62	1.58	1.56	1.52
2 P in 2 y	1.84	1.69	1.69	1.62	1.59	1.76	1.66	1.67	1.62	1.61	1.57
H or 2 P in 1 y	2.39	2.24	2.13	1.98	1.95	2.07	1.94	1.92	1.89	1.88	1.88
1 Rx and (1 H or 1 P) +/- 6 months	1.93	1.80	1.78	1.75	1.75	1.81	1.73	1.68	1.74	1.67	1.64
(2 P in 1 y) or (1 Rx and (1 P) +/- 6 months)	2.12	1.94	1.95	1.88	1.90	1.99	1.90	1.91	1.86	1.81	1.80
1 Rx and (1 P) +/- 6 months	1.82	1.70	1.70	1.69	1.69	1.76	1.65	1.64	1.67	1.58	1.57

P= physician billing code; y = years; H = hospitalization diagnosis code; Rx = prescription including levodopa drugs, MAO-B inhibitors, dopamine agonists and COMT inhibitors.