

**Table S7.** Estimated incidence rates for Canadian adults hospitalized with pCAP attributed to specific PCV13 serotypes from 2010 to 2015.

Category	Age (years)	Annual incidence rates per 100,000 population (95% CI)				
		2011	2012	2013	2014	2015
PCV13 pCAP serotype 7F <sup>1</sup>	16-49	5.1 (2.3 to 7.9)	8.1 (4.5 to 11.7)	3.8 (1.8 to 5.8)	3.4 (1.5 to 5.3)	1.4 (0.0 to 3.0)
	50-64	8.1 (1.4 to 14.9)	14.9 (7.0 to 22.8)	8.0 (3.3 to 12.6)	4.1 (1.0 to 7.3)	6.9 (1.3 to 12.4)
	65+	28.1 (9.2 to 46.9)	31.8 (15.7 to 47.9)	23.3 (11.8 to 34.8)	9.5 (2.0 to 16.9)	9.2 (0.4 to 18.0)
	50+	17.5 (8.4 to 26.6)	23.8 (15.0 to 32.5)	15.6 (9.7 to 21.4)	7.3 (3.3 to 11.2)	9.2 (3.6 to 14.7)
	All ages (16+)	11.8 (7.3 to 16.3)	15.8 (11.4 to 20.3)	9.6 (6.7 to 12.4)	5.8 (3.5 to 8.0)	4.9 (2.3 to 7.5)
PCV13 pCAP serotype 19A <sup>1</sup>	16-49	3.4 (1.1 to 5.7)	1.7 (0.0 to 3.5)	0.7 (0.1 to 1.5)	2.3 (0.7 to 3.9)	4.3 (1.6 to 7.0)
	50-64	18.2 (8.3 to 28.1)	6.6 (1.3 to 11.9)	6.2 (2.1 to 10.2)	3.3 (0.4 to 6.2)	9.7 (3.2 to 16.3)
	65+	60.9 (33.4 to 88.3)	34.8 (18.0 to 51.7)	36.4 (22.1 to 50.8)	9.5 (2.0 to 16.9)	12.3 (2.1 to 22.4)
	50+	38.4 (25.1 to 51.8)	18.7 (11.0 to 26.5)	18.1 (11.8 to 24.4)	6.5 (2.7 to 10.2)	12.6 (6.1 to 19.1)
	All ages (16+)	17.4 (12.0 to 22.8)	8.6 (5.3 to 12.0)	7.6 (5.0 to 10.2)	4.5 (2.5 to 6.5)	8.3 (5.0 to 11.7)
PCV13 pCAP serotype 3 <sup>1</sup>	16-49	4.0 (1.5 to 6.5)	2.3 (0.3 to 4.3)	1.4 (0.2 to 2.6)	2.7 (1.0 to 4.4)	2.9 (0.7 to 5.1)
	50-64	10.1 (2.6 to 17.5)	14.9 (7.0 to 22.8)	8.0 (3.3 to 12.6)	7.4 (3.2 to 11.7)	15.2 (7.1 to 23.3)
	65+	18.7 (3.3 to 34.2)	47.6 (28.0 to 67.2)	33.8 (20.0 to 47.7)	21.3 (10.2 to 32.4)	52.5 (31.7 to 73.2)
	50+	15.8 (7.1 to 24.4)	30.0 (20.2 to 39.8)	19.0 (12.6 to 25.4)	14.6 (9.0 to 20.2)	32.0 (21.8 to 42.3)
	All ages (16+)	10.0 (5.8 to 14.1)	13.4 (9.3 to 17.5)	8.6 (5.9 to 11.3)	8.0 (5.4 to 10.6)	15.7 (11.1 to 20.3)

CAP cases tested by any<sup>1</sup> diagnostic test for *S. pneumoniae*. Note: CIRN SOS surveillance was initiated December 1, 2010, and as such, only a limited number of cases were identified and these data was not presented. Abbreviations: Confidence intervals (CI).