

**Table S6.** Estimated incidence rates for Canadian adults hospitalized with pCAP attributed to PCV13 serotypes from 2010 to 2015.

Category	Age (years)	Annual incidence rates of PCV13 pCAP per 100,000 population (95% CI)				
		2011	2012	2013	2014	2015
PCV13 pCAP (any test) <sup>1</sup>	16-49	11.9 (7.9 to 16.0)	12.7 (8.4 to 17.1)	7.6 (4.9 to 10.3)	9.5 (6.4 to 12.5)	10.1 (6.2 to 14.0)
	50-64	48.5 (33.3 to 63.8)	38.0 (25.9 to 50.1)	30.1 (21.4 to 38.8)	20.7 (13.7 to 27.6)	38.7 (26.3 to 51.2)
	65+	117.0 (79.6 to 154.4)	139.5 (107.0 to 172.1)	116.9 (91.8 to 142.0)	64.0 (45.0 to 83.0)	92.6 (65.4 to 119.8)
	50+	85.6 (66.2 to 104.9)	83.7 (67.9 to 99.4)	68.2 (56.4 to 80.1)	42.0 (32.7 to 51.4)	66.5 (52.0 to 80.9)
	All ages (16+)	43.5 (35.5 to 51.8)	42.7 (35.7 to 49.8)	33.3 (28.1 to 38.5)	24.6 (20.1 to 29.1)	35.2 (28.5 to 42.0)
PCV13 pCAP (all test) <sup>2</sup>	16-49	16.9 (5.9 to 28.0)	22.2 (10.0 to 34.4)	17.5 (10. to 25.1)	5.7 (1.3 to 10.1)	11.0 (3.6 to 18.5)
	50-64	74.1 (24.5 to 123.8)	90.3 (53.4 to 127.2)	39.5 (19.2 to 59.7)	29.3 (13.0 to 45.6)	28.1 (7.6 to 48.7)
	65+	277.3 (119.6 to 435.0)	261.3 (142.2 to 380.4)	236.8 (149.5 to 324.2)	80.1 (28.1 to 132.0)	146.0 (60.6 to 237.5)
	50+	170.2 (96.8 to 243.5)	181.7 (125.5 to 238.0)	121.1 (84.7 to 157.4)	58.7 (33.8 to 83.5)	78.6 (41.9 to 115.4)
	All ages (16+)	81.4 (52.2 to 110.5)	89.4 (65.2 to 113.6)	65.1 (49.1 to 81.2)	28.9 (18.3 to 39.5)	43.3 (26.7 to 59.9)

CAP cases tested by any<sup>1</sup> or all<sup>2</sup> diagnostic test(s) for *S. pneumoniae* (sputum culture, blood culture, or urine antigen testing). Culture isolates of *S. pneumoniae* from sputum or blood culture were subjected to Quellung serotyping or PCR-based serotype deduction, or serotype was obtained from ssUAD. 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); not applicable (N/A).