

Appendix 3 (as supplied by the authors): Characteristics by age group for those vaccinated in 2013-14 and 2015-16 influenza seasons

Characteristic	2013/14 Influenza Season		2015/16 Influenza Season	
	Aged 65 years and under (n=1,691,125)	Aged 66 years and older (n=986,162)	Aged 65 years and under (n= 1,450,594)	Aged 66 years and older (n= 1,014,584)
Demographics				
Age at immunization, Mean ± SD	40.79 ± 19.66	75.70 ± 7.18	41.75 ± 19.45	75.75 ± 7.22
Sex (female)	930,477 (55.0%)	538,810 (54.6%)	802,609 (55.3%)	552,524 (54.5%)
Rurality index of Ontario score				
<i>Urban</i>	1,301,194 (76.9%)	683,515 (69.3%)	1,112,857 (76.7%)	699,169 (68.9%)
<i>Non-major Urban</i>	328,670 (19.4%)	249,744 (25.3%)	284,071 (19.6%)	259,827 (25.6%)
<i>Rural</i>	61,261 (3.6%)	52,903 (5.4%)	53,666 (3.7%)	55,588 (5.5%)
Neighbourhood income quintile				
1 (<i>lowest</i>)	296,857 (17.6%)	166,770 (16.9%)	248,108 (17.1%)	167,000 (16.5%)
2	315,852 (18.7%)	198,228 (20.1%)	269,020 (18.5%)	200,106 (19.7%)
3	334,212 (19.8%)	194,575 (19.7%)	286,192 (19.7%)	200,428 (19.8%)
4	364,927 (21.6%)	207,293 (21.0%)	321,345 (22.2%)	217,828 (21.5%)
5 (<i>highest</i>)	379,277 (22.4%)	219,296 (22.2%)	325,929 (22.5%)	229,222 (22.6%)
Low income senior	*	143,962 (14.6%)	*	130,039 (12.8%)
Month of vaccination				
<i>October</i>	580,502 (34.3%)	535,314 (54.3%)	345,226 (23.8%)	391,882 (38.6%)
<i>November</i>	656,532 (38.8%)	349,836 (35.5%)	764,756 (52.7%)	497,182 (49.0%)
<i>December</i>	183,716 (10.9%)	59,735 (6.1%)	245,626 (16.9%)	97,026 (9.6%)
<i>January</i>	243,012 (14.4%)	36,989 (3.8%)	70,636 (4.9%)	22,551 (2.2%)
<i>February</i>	22,315 (1.3%)	3,567 (0.4%)	18,673 (1.3%)	4,761 (0.5%)
<i>March</i>	5,048 (0.3%)	721 (0.1%)	5,677 (0.4%)	1,182 (0.1%)
Immigration				
<i>None</i>	1,414,990 (83.7%)	910,718 (92.3%)	1,222,803 (84.3%)	936,184 (92.3%)
<5 years	51,763 (3.1%)	6,282 (0.6%)	20,304 (1.4%)	3,486 (0.3%)

5-9 years	57,760 (3.4%)	8,738 (0.9%)	47,309 (3.3%)	9,265 (0.9%)
≥10 years	166,612 (9.9%)	60,424 (6.1%)	160,178 (11.0%)	65,649 (6.5%)
Comorbidity				
Diabetes	223,165 (13.2%)	318,933 (32.3%)	207,343 (14.3%)	338,360 (33.3%)
Hypertension	430,205 (25.4%)	751,558 (76.2%)	375,591 (25.9%)	767,351 (75.6%)
Chronic obstructive pulmonary disease	36,282 (2.1%)	97,932 (9.9%)	33,676 (2.3%)	99,445 (9.8%)
Asthma	300,660 (17.8%)	141,183 (14.3%)	261,388 (18.0%)	149,317 (14.7%)
Congestive heart failure	19,626 (1.2%)	96,505 (9.8%)	18,231 (1.3%)	98,292 (9.7%)
Acute myocardial infarction	21,085 (1.2%)	56,569 (5.7%)	18,564 (1.3%)	57,329 (5.7%)
Cancer	58,636 (3.5%)	152,359 (15.4%)	60,459 (4.2%)	174,712 (17.2%)
Healthcare use in previous year				
Influenza vaccination in a physician office	669,463 (39.6%)	685,239 (69.5%)	498,191 (34.3%)	602,817 (59.4%)
Influenza vaccination in a community pharmacy	121,232 (7.2%)	49,151 (5.0%)	363,445 (25.1%)	230,413 (22.7%)
Inpatient hospitalization	104,432 (6.2%)	113,567 (11.5%)	90,618 (6.2%)	114,687 (11.3%)
Emergency Department visit	389,271 (23.0%)	283,378 (28.7%)	337,174 (23.2%)	295,414 (29.1%)
Home care use	52,006 (3.1%)	136,862 (13.9%)	46,425 (3.2%)	137,923 (13.6%)
Number of physician office visits, Mean ± SD	10.32 ± 13.62	17.26 ± 18.13	10.59 ± 14.21	16.84 ± 17.96
Periodic health examination	115,303 (6.8%)	83,178 (8.4%)	76,408 (5.3%)	62,280 (6.1%)
Previous pharmacy use				
Number of unique prescription medications in past year, Mean ± SD	*	10.13 ± 6.82	*	10.03 ± 6.72
Total cost of prescription medications in past year	*	1,551.17 ± 3,434.90	*	1,595.38 ± 3,846.95
<\$500	*	344,173 (34.9%)	*	378,679 (37.3%)
\$500-\$999	*	210,593 (21.4%)	*	213,007 (21.0%)
\$1000-\$1999	*	216,877 (22.0%)	*	207,189 (20.4%)
\$2000-\$2999	*	100,111 (10.2%)	*	98,592 (9.7%)
\$3000-\$3999	*	47,498 (4.8%)	*	45,791 (4.5%)
>\$4000	*	66,910 (6.8%)	*	71,326 (7.0%)
Pharmacist service in past year	181,782 (10.7%)	360,847 (36.6%)	166,757 (11.5%)	364,358 (35.9%)
Pharmacist service on day of vaccination	7,625 (0.5%)	11,683 (1.2%)	7,673 (0.5%)	13,191 (1.3%)