

Table 3. Two-part models of general practitioner, specialist, and hospital services (continued)

Variable	General practitioners		Specialists		Hospitals	
	Logistic	Zero-truncated negative binomial	Logistic	Zero-truncated negative binomial	Logistic	Zero-truncated negative binomial
	OR	IRR	OR	IRR	OR	IRR
Overweight						
Underweight or acceptable weight	1.00	1.00	1.00	1.00	1.00	1.00
Overweight	1.06 *	1.03 *	0.99	1.00	1.02	1.03
Missing	0.97	1.33 ***	1.22 **	1.34 ***	0.78 *	0.90
Smoking	***		***			
Never smoked	1.00	1.00	1.00	1.00	1.00	1.00
Former smoker	1.04	1.02	1.14 ***	1.01	1.09	1.05
Current smoker	0.77 ***	1.00	0.90 **	0.98	0.98	1.07
Missing	1.03	0.88	0.91	0.93	1.24	0.65
Drinking	**	***		***	***	***
Not regular drinker	1.00	1.00	1.00	1.00	1.00	1.00
Regular drinker	1.09 **	0.89 ***	1.04	0.85 ***	0.74 ***	0.97 ***
Missing	1.43 *	0.81 *	0.97	1.37	1.33	0.91
Physical activity	**	**			***	
Active	1.00	1.00	1.00	1.00	1.00	1.00
Moderate or inactive	1.08 *	1.06 ***	1.04	1.05	1.18 ***	0.99
Missing	1.51 **	1.12	1.10	1.33	1.27	1.38
Fruit and vegetable consumption	**	***	***		*	
5+ servings a day	1.00	1.00	1.00	1.00	1.00	1.00
Less than 5 servings a day	0.94 *	0.92 ***	0.88 ***	0.97	0.91 **	0.97
Missing	0.75 **	0.88 *	0.78 *	0.96	0.79	0.78
Alternative health care [^]	1.43 ***	1.20 ***	1.28 ***	1.11 **	0.92	1.00
Province of residence	**	**	***	**	**	**
ON	1.00	1.00	1.00	1.00	1.00	1.00
NF	1.59 ***	1.20 ***	1.04	0.92	1.29 **	1.22 *
PEI	1.05	0.93 *	0.88 *	0.97	1.48 ***	1.27 **
NS	1.00	1.03	0.91 *	0.80 ***	1.02	1.06
NB	1.23 ***	0.90 ***	1.02	0.71 ***	1.40 ***	1.34 ***
QC	0.66 ***	0.74 ***	1.50 ***	0.80 ***	1.34 ***	0.96
MB	0.84 ***	0.99	0.90 *	1.02	1.18 *	1.08
SK	1.12 *	1.06 *	0.79 ***	0.81 **	1.38 ***	1.00
AL	0.92 *	1.08 **	0.71 ***	0.87 **	1.17 **	1.05
BC	1.03	1.14 ***	0.75 ***	1.03	1.05	1.03
α		0.95		2.99		1.64
n	110923	89151	111087	31819	111104	11291
Pseudo-R square	0.12		0.11		0.15	
Log likelihood	-49891.01	-38209980	-60018.27	-11517957	-27813.50	-5128804.50
Wald chi-square~	4847.42 ***	13954.43 ***	6072.91 ***	2619.61 ***	5297.16 ***	2795.83 ***

OR: Odds ratio, IRR: Incidence rate ratio

[^] The reference group is the absence of the condition or no use

^{^^} Fifteen interaction terms are included. The coefficients are not reported due to the limited space. The reported statistical significance is overall.

* 0.01 ≤ p < 0.05, ** 0.001 ≤ p < 0.01, *** p < 0.001. Given that we did not fully account for the design effect, we considered variables with a statistical significance at the 1% level as significant. Statistical significance in the row of a variable name indicates overall significance of all categories combined including missing category.

~ Wald chi-square test of the joint significance of the repressors.