

Table A1. Differential impact of the number of chronic conditions by birth cohort: Results from logistic cross-classified multilevel models ^a. Canadian National Population Health Survey, 1994-2011

	Women	Men
	Estimate (S.E.)	Estimate (S.E.)
Intercept	-0.945 (0.177) ***	-1.722 (0.184) ***
Linear age ^b	-0.033 (0.004) ***	-0.006 (0.004) **
Quadratic age	0.001 (0.0001) ***	0.001 (0.0001) ***
Birth cohort (Ref: Pre-World War)		
Generation X	-0.407 (0.192) ***	-0.156 (0.200)
Younger Baby Boomer	-0.319 (0.167) **	-0.171 (0.174)
Older Baby Boomer	-0.248 (0.148)	-0.141 (0.153)
World War II	-0.066 (0.137)	0.009 (0.141)
<i>Predisposing, Enabling, and Behavior-related Factors</i>		
Education (Ref: 16+ years)		
<12 years	-0.044 (0.060)	0.008 (0.062)
12-15 years	0.013 (0.049)	0.014 (0.052)
Income quartiles (Ref: Top (Q4))		
Bottom (Q1)	0.041 (0.049)	0.156 (0.052)
Q2	-0.018 (0.045)	0.045 (0.046)
Q3	0.032 (0.041)	0.042 (0.041)
Missing	-0.086 (0.082)	-0.179 (0.106)
Have regular source of care	1.142 (0.049) ***	1.012 (0.043) ***
Smokers (Ref: never)		
Current	-0.049 (0.044)	-0.062 (0.048)
Former	0.023 (0.038)	0.080 (0.043)
BMI (Ref: Normal) ^c		
Severe obese	0.457 (0.069) ***	0.530 (0.088) ***
Moderate obese	0.402 (0.049) ***	0.264 (0.051) ***
Overweight	0.197 (0.034) ***	0.110 (0.037) ***
Underweight	0.081 (0.088)	0.248 (0.198)
Physically inactive	0.101 (0.027) ***	0.047 (0.029) ***
Sedentary lifestyle	0.071 (0.033) **	0.124 (0.036) ***
<i>Need for healthcare</i>		
Chronic conditions (Ref: none)		
2+	1.943 (0.198) ***	2.040 (0.220) ***
1	0.885 (0.197) ***	1.082 (0.205) ***
Age by Chronic conditions (Ref: None)		
2+	-0.012 (0.006) ***	-0.016 (0.006) ***
1	-0.005 (0.006) ***	-0.005 (0.006) ***
Birth Cohort by Chronic conditions (Ref: None)		
2+ conditions:		
Generation X	-0.999 (0.251) ***	-1.098 (0.278) ***
Younger Baby Boomer	-0.707 (0.203) ***	-0.639 (0.222) ***
Older Baby Boomer	-0.369 (0.168) **	-0.216 (0.182)
World War II	-0.257 (0.151)	-0.045 (0.165)
One condition:		
Generation X	-0.431 (0.249)	-0.565 (0.257)
Younger Baby Boomer	-0.312 (0.204)	-0.368 (0.211)
Older Baby Boomer	-0.116 (0.170)	-0.154 (0.176)
World War II	0.044 (0.157)	-0.254 (0.162)

BMI, Body Mass Index; OR, Odd Ratio; 95% CI, 95% Confidence Interval. *** $p < 0.0001$, ** $p < 0.01$, * $p < 0.05$, [†] $p < 0.1$. ^a Models include period (survey year) as a random effect. ^b Age is centered at the mean of the distribution in 1994/95 (39 years). ^c Severe obese (≥ 35.0), Moderate Obese (30.0-34.9), Overweight (25.0-29.9), Underweight (< 18.5), Normal (18.5-24.9).