

**Table S9.** Multivariable regression analysis: Emergency visits – Females

	<b>Crude model HR (95% CI)</b>	<b>Adjusted model HR (95% CI)</b>	<b>Adjusted model with interactions HR (95% CI)</b>
<b>Treatment cohort</b>	1.17 (1.11, 1.23)	1.05 (0.98, 1.12)	-
<b>Index year</b>			
2012	Ref.	Ref.	Ref.
2011	0.96 (0.90, 1.03)	0.98 (0.92, 1.04)	0.98 (0.93, 1.04)
2010	0.90 (0.81, 0.99)	0.88 (0.80, 0.97)	0.88 (0.80, 0.97)
2009	0.95 (0.87, 1.05)	0.95 (0.86, 1.04)	0.95 (0.86, 1.04)
2008	0.88 (0.78, 0.99)	0.88 (0.79, 0.99)	0.88 (0.79, 0.99)
2007	0.96 (0.87, 1.05)	0.97 (0.87, 1.07)	0.97 (0.87, 1.07)
<b>Rurality<sup>a</sup></b>	1.01 (1.01, 1.01)	1.01 (1.01, 1.01)	1.01 (1.01, 1.01)
<b>Occasional smoking</b>	1.02 (0.90, 1.16)	1.00 (0.89, 1.11)	1.00 (0.89, 1.11)
<b>No. ADG comorbidities</b>			
0-5	Ref.	Ref.	Ref.
6-9	1.62 (1.53, 1.71)	1.33 (1.26, 1.41)	1.33 (1.26, 1.41)
10+	2.63 (2.45, 2.84)	1.90 (1.76, 2.05)	1.90 (1.76, 2.05)
<b>Prior outpatient visit<sup>b</sup></b>	1.53 (1.31, 1.78)	0.93 (0.80, 1.08)	0.93 (0.79, 1.08)
<b>Prior ED visit<sup>b</sup></b>	2.66 (2.52, 2.81)	1.97 (1.87, 2.08)	1.97 (1.87, 2.08)
<b>Absence of prevalent comorbidities</b>			
Diabetes	0.62 (0.57, 0.67)	0.75 (0.69, 0.81)	0.75 (0.69, 0.81)
Hypertension	0.72 (0.68, 0.77)	0.92 (0.86, 0.97)	-
COPD	0.59 (0.55, 0.63)	0.80 (0.76, 0.85)	-
Cancer	0.83 (0.73, 0.95)	1.05 (0.93, 1.19)	1.05 (0.92, 1.19)
Asthma	0.63 (0.59, 0.67)	0.80 (0.76, 0.85)	0.80 (0.76, 0.85)
Congestive heart failure	0.47 (0.40, 0.55)	0.80 (0.69, 0.92)	0.80 (0.69, 0.92)
Myocardial infarction	0.64 (0.53, 0.78)	0.88 (0.73, 1.05)	0.88 (0.73, 1.05)
<b>Interactions: treatment relative to control, within each comorbidity group</b>			
Hypertension and COPD			1.01 (0.89, 1.14)
Hypertension only			1.06 (0.93, 1.19)
COPD only			1.01 (0.88, 1.14)
Neither hypertension nor COPD			1.07 (0.99, 1.15)

Note. Abbreviations: ADG = Aggregated Diagnostic Groups; COPD = chronic obstructive pulmonary disease; ED = emergency department; HR = hazard ratio.

<sup>a</sup> Rurality Index of Ontario score (Kralj, 2009)

<sup>b</sup> During 2 years up to index date.