

The Primary-Specialty Care Interface in Chronic Diseases: Patient and Practice Characteristics Associated with Co-Management

Interrelation entre services de première ligne et soins spécialisés dans les cas de maladie chronique : caractéristiques des patients et des cliniques associées à la cogestion

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Table 2. Crude and adjusted associations between independent variables and having a specialist involved as a co-manager ($N = 702$)

Characteristic	Level*	Proportion co-managed %	Bivariate association OR (95% CI)	Full model with practice arrangement AOR (95% CI)	Full model with organizational components AOR (95% CI)
Main diagnosis	Diabetes	10.3			
	Arthritis	28.8	3.51 (2.07–5.98)	3.45 (1.96–6.08)	3.59 (2.03–6.35)
	CHF	45.8	7.19 (4.18–12.36)	9.36 (5.18–16.89)	9.74 (5.37–17.68)
	COPD	30.0	3.76 (2.17–6.51)	4.81 (2.67–8.70)	4.87 (2.69–8.81)
Co-morbidity*	0–2 co-morbidities	32.4	–	–	–
	≥3 co-morbidities	36.0	1.08 (1.01–1.18)	1.02 (0.92–1.12)	1.01 (0.92–1.12)
HRQoL*	<50 (more affected)	32.0	–	–	–
	≥50 (less affected)	20.6	0.97 (0.96–0.99)	0.96 (0.94–0.98)	0.96 (0.94–0.98)
Gender	Male	24.6			
	Female	27.2	1.13 (0.80–1.59)	1.28 (0.86–1.91)	1.26 (0.85–1.87)
Age*	<65 years	35.2	–	–	–
	≥65 years	33.7	1.00 (0.98–1.01)	0.98 (0.96–0.99)	0.98 (0.96–0.99)
Highest education	High school or less	24.1			
	>High school	32.8	1.54 (1.04–2.28)	1.78 (1.14–2.80)	1.77 (1.13–2.77)
Perceived income	Sufficient/higher	27.8			
	Lesser/much lesser	21.2	0.64 (0.42–0.99)	0.49 (0.29–0.80)	0.48 (0.29–0.80)
Region	Urban	33.1			
	Rural	16.0	0.40 (0.26–0.62)	0.45 (0.25–0.82)	0.37(0.23–0.63)

Characteristic	Level ^a	Proportion co-managed %	Bivariate association OR (95% CI)	Full model with practice arrangement AOR (95% CI)	Full model with organizational components AOR (95% CI)
Experience of PCP ^a	≤20 years	26.0	–	–	–
	>20 years	26.8	1.01 (0.98–1.04)	1.01 (0.98–1.03)	1.01 (0.98–1.03)
Practice arrangement	Other physician group practices	27.2			–
	Solo practices	39.1	1.56 (0.72–3.38)	1.30 (0.63–2.80)	–
	Family medicine groups	14.6	0.43 (0.21–0.88)	0.53 (0.24–1.14)	–
	CHC/hospital-based practices	28.8	0.96 (0.54–1.70)	0.91 (0.52–1.58)	–
Remuneration mode	Fixed salary/mixed	28.8		–	
	Solely fee-for-services	24.5	0.91 (0.51–1.63)	–	0.69 (0.37–1.30)
Role of nurse	No nurse/conventional role	28.4		–	
	Innovative role	23.8	0.72 (0.42–1.24)	–	0.54 (0.31–0.96)
Diagnostic/therapeutic procedures	Low–moderate level	25.5		–	
	High level	26.7	0.93 (0.53–1.63)	–	0.83 (0.54–1.29)

^a Continuous variables dichotomized for descriptive purpose but included as continuous variables in regression analyses.

OR = odds ratio, CI = confidence interval, CHF = congestive heart failure, COPD = chronic obstructive pulmonary disease, PCP = primary care physician, PHC = primary healthcare, SES = socioeconomic status, CHC = community health centre.

Bold indicates $p < 0.05$.