

An International Study of Self-Rated Health among Older Adults

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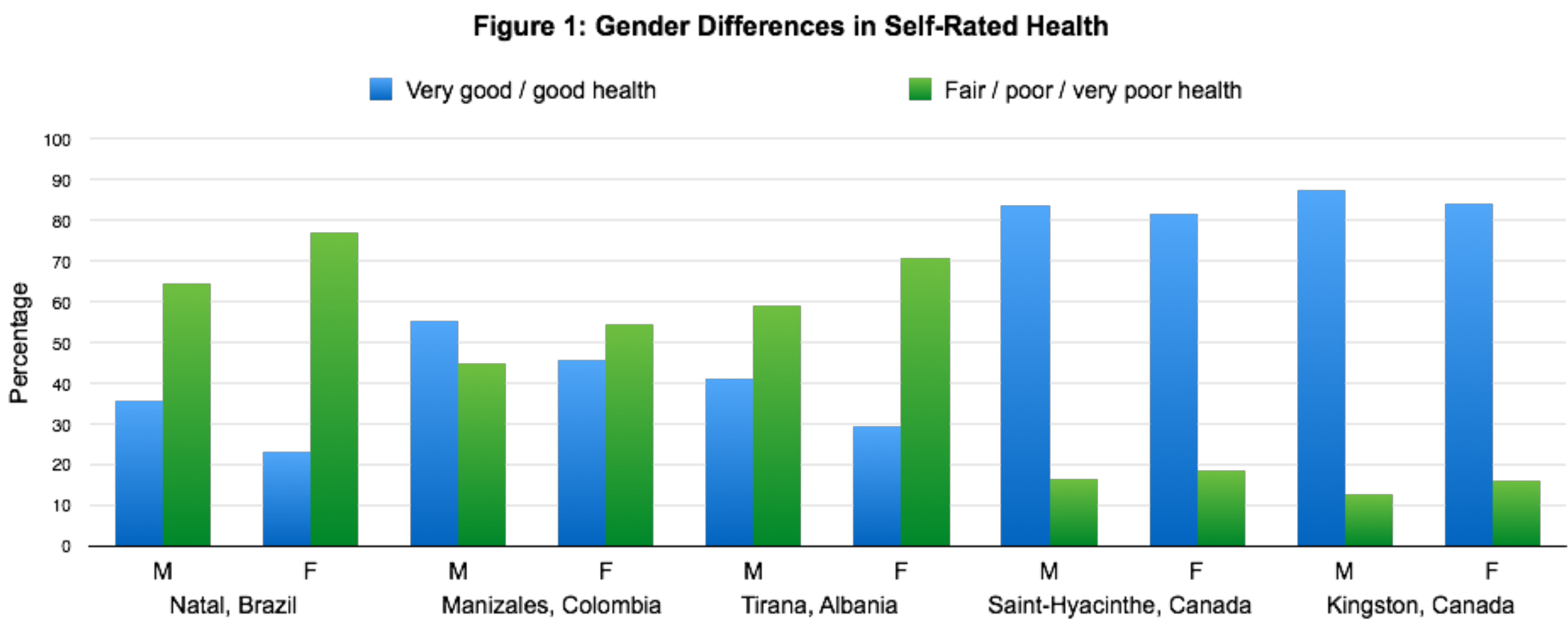
Background

- Self-rated health is an important indicator of health among older adults, and a good predictor of mortality and decline in functional ability.
- Few studies have examined cross-cultural differences in the prevalence of self-rated health, and the social determinants that can account for these differences.
- Research objective: to examine factors associated with good self-rated health related to socioeconomic status, social support, depression and disability among populations of older adults from five different international sites.

Methods

- Study population
 - Database from the International Mobility in Aging Study (IMIAs)
 - 1995 older adults in Canada (Saint-Hyacinthe, Quebec & Kingston, Ontario), in Latin America (Natal, Brazil & Manizales Colombia), and in Southeastern Europe (Tirana, Albania)
- Measurement instruments
 - Self-rated health: dichotomous item from a 5-point Likert scale (very good / good health, fair / poor / very poor health)
 - Income, income sufficiency, education
 - Social support from friends, extended family, children, and partner, and work status
 - Depression (CESD scale, score above 16)
 - Disability (dichotomous ADL disability)
- Methods of data analysis: Poisson multiple regression with robust covariance

Descriptive Statistics



Results

Canada

- Gender is not a significant predictor, but good health is more prevalent among participants with higher income and education level.
- Friends' support is independently associated with good health in Canada.
- Good health is more prevalent among respondents who work.
- The prevalence of good health remains higher in high income groups even after controlling for depression and disability.

Table 1: Poisson Regression of Self-Rated Health among Older Adults in Canada (n= 796)

	Prevalence Ratio		
65-69 years old	.99	.98	.98
Male	.99	1.01	1.00
Kingston	.97	.96	.96
Middle income	1.16**	1.16**	1.13**
High income	1.13*	1.12*	1.09*
Income sufficient	1.15	1.13*	1.07
Income very sufficient	1.26*	1.22*	1.12
Secondary education	1.30	1.33*	1.26
Post-secondary education	1.37*	1.41*	1.33*
Low support friends		1.21	1.17
Mid support friends		1.32*	1.29*
High support friends		1.38*	1.31*
Work		1.13***	1.11***
Depression			.85***
ADL disability			.70***

*p<0.05, **p<0.01, ***p<0.001

Latin America

- Respondents in Manizales, Colombia report better health than in Brazil.
- Children are the main source of social support affecting health at the Latin American sites.
- Men have better health than women in Latin America, after controlling for socioeconomic status, but not after adjusting for social support.
- Income remains a significant predictor of good health even after controlling for depression and disability.

Table 2: Poisson Regression of Self-Rated Health among Older Adults in Latin America (n= 801)

	Prevalence Ratio		
65-69 years old	1.11	1.11	1.08
Male	1.24*	1.18	1.02
Manizales	2.06***	2.01***	1.92***
Middle income	1.53***	1.47**	1.34**
High income	1.64**	1.56**	1.39**
Income sufficient	1.30**	1.30**	1.15
Income very sufficient	1.07	1.09	1.05
Secondary education	1.16		
Post-secondary education	1.05		
Low support child		1.03	1.04
Middle support child		1.58*	1.28
High support child		1.43*	1.19
Work		1.30**	1.20
Depression			.28***
ADL disability			.55***

*p<0.05, **p<0.01, ***p<0.001

Southeastern Europe

- Self-reported income sufficiency is the only socioeconomic predictor of good health, but the association disappears after adjusting for depression and disability.
- Men have a higher prevalence of good health in Tirana, even when controlling for income sufficiency.
- Social support is not associated with health.
- Being younger is independently associated with good health in Tirana.
- Once we control for depression and disability, neither gender nor economic variables significantly impact the prevalence of good health.

Table 3: Poisson Regression of Self-Rated Health among Older Adults in Tirana (n= 394)

	Prevalence Ratio		
65-69 years old	1.45*	1.32*	1.30*
Male	1.35*	1.26	1.11
Middle income	.97		
High income	.78		
Income sufficient	1.61*	1.39	1.25
Income very sufficient	2.26**	1.85*	1.48
Secondary education	.90		
Post-secondary education	1.08		
Low support friends		1.37	
Mid support friends		1.60	
High support friends		1.79	
Work		1.24	
Depression			.44***
ADL disability			.44***

*p<0.05, **p<0.01, ***p<0.001

Conclusions

- The effect of socioeconomic status and social support on the prevalence of self-rated health among older adults differs across international sites.
- Important gender differences remain in Latin American and Southeastern European sites, despite controlling for socioeconomic variables.
- The nature of social support that is relevant for self-rated health also differs cross-culturally.
- Depression and disability are important predictors of self-rated health, but many social variables remain significant after controlling for these important aspects of health.

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