

Network social capital reduces the odds of developing hypertension in urban adults

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Acknowledgements



- · Montreal Neighbourhood Networks and Healthy Aging Study (MoNNET-HA)
- Canadian Institutes of Health Research: Institute of Aging
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Background: Hypertension



- $\mbox{{\sc High blood}}$ pressure was the leading risk factor for global disease in 2010. (Global Burden of Disease Studies)
- Six million Canadian adults, or one in five, have high blood pressure, representing 19% of the adult population.1
 - 83% are aware of their condition (80% for men and 87% for women)
- In the U.S., about 1 of 3 U.S. adults—or 67 million people—have high blood pressure with more than 348,000 deaths in 2009 citing high blood pressure as a primary or contributing cause. (CDC)

Background: Social capital and hypertension

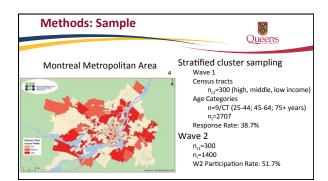


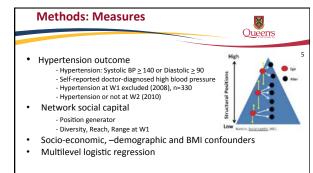
- Network social capital
- Resources to which individuals or groups have access through their social networks.
- · Cross-sectional studies
- Interpersonal level
- Social integration (Gorman & Sivaganesan, 2007)
 Social support (Bell, et al., 2010)
- Social trust, group networks (Malino, et al., 2014)
 Network social capital² (Moore et al., 2014)
- · Prospective studies
- Interpersonal
- Social integration³ (Yang, et al., 2014)

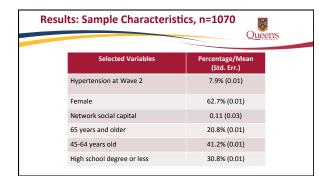
Research question

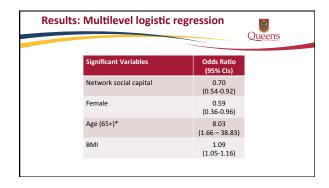


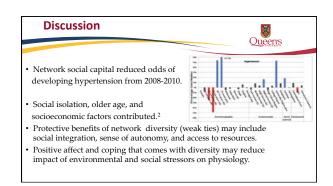
• Does network social capital help reduce the odds of developing hypertension over a two-year period?

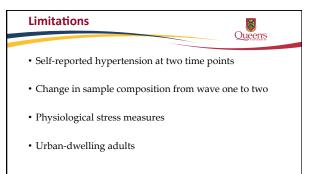












Key References



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 Moore S., Stewart S. Teixeira A. Decomposing social capital inequalities in health. Journal of Epidemiology and Community Health, 2013; Nov., doi: 10.1136/jech-2013-202996.
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Montreal Neighbourhood Networks and Healthy Aging Study

Publication List

- 1. "Social capital and core neighborhood ties: A validation study of individual-level social capital measures of neighborhood social connections." Spencer Moore, Ulf Bockenholt, Mark Daniel, Katherine Frohlich, Yan Kestens, Lucie Richard. *Health and Place*. 2011, 17: 536-544.
- 2. "Network social capital, social participation, and physical inactivity in an urban adult population." Hannah Legh-Jones, Spencer Moore. *Social Science & Medicine*, 2012, 74:1362-1367.
- 3. "Physical Inactivity Mediates the Association between the Perceived Exercising Behavior of Social Network Members and Obesity: A Cross-Sectional Study." Leroux JS, Moore S, Richard L, Gauvin L. . *PLOS ONE*, 2012, 7(10): e46558. doi:10.1371/journal.pone.0046558
- 4. "Social capital and depressive symptoms: The association of psychosocial and network dimensions of social capital with depressive symptoms in Montreal, Canada." Emma Bassett, Spencer Moore, *Social Science and Medicine*, 2013; 86: 96-102.
- 5. "Perceived neighbourhood cohesion mediates the association between neighbourhood disadvantage and depressive symptoms in Montreal women but not men." Emma Bassett, <u>Spencer Moore</u>, *PLOS ONE 8(10)* 2013: e76554. doi:10.1371/journal.pone.0076554
- 6. "Neighbourhood disadvantage, network capital, and restless sleep: Is the association moderated by gender in urban-dwelling adults?" Emma Bassett, Spencer Moore. *Social Science & Medicine*, 2014,108:185-193.
- 7. "Decomposing social capital inequalities in health." Spencer Moore, Steven Stewart, Ana Teixeira. *Journal of Epidemiology Community Health*, 2014, 68(3): 233-238.
- 8. "Cohort Profile: The Montreal Neighbourhood Networks and Healthy Aging (MoNNET-HA) study." Spencer Moore, David Buckeridge, Laurette Dube. *International Journal of Epidemiology*, 2014, doi: 10.1093/ije/dyu137.
- 9. "Effect of Network Social Capital on the Chances of Smoking Relapse: A Two-Year Follow-up Study of Urban- Dwelling Adults," Spencer Moore, Ana Teixeira, Steven Stewart, *American Journal of Public Health*, Published online, October 16, 2014: e1–e5. doi:10.2105/AJPH.2014.302239.

Updated: 12 November 2014