Publications on multimorbidity

(Updated on February 27, 2017)

INDEX

Section A – Publications of the research team
Section B – Publications by subject

1. THEORETICAL & REVIEW ARTICLES AND PROTOCOLS
2. DEFINITION / CONCEPTUALISATION
3. CLINICAL AND EPIDEMIOLOGICAL STUDIES
   3.1 Prevalence
   3.2 Aetiology
   3.3 Correlation with biological markers
   3.4 Interactions and patterns
   3.5 Socio-demographic, socio-economic, and psychosocial variables
   3.6 Variables related to hospitalisation
   3.7 Resource utilisation
   3.8 Quality of life and functional level
   3.9 Psychological distress, depression, cognition, mental illnesses
   3.10 Medication
   3.11 Social support
   3.12 Other clinical variables
   3.13 Generalisation of clinical trials / Guidelines
   3.14 Other subjects
4. ECONOMIC STUDIES
5. METHODS TO MEASURE MULTIMORBIDITY AND COMORBIDITY
6. EDITORIALS / OPINION ARTICLES
7. QUALITATIVE RESEARCH
8. INTERVENTION IDEAS
9. OTHERS
   9.1 Physical activity
   9.2 Continuity of care
   9.3 Self-care
   9.4 Medical errors / Medical education
Section A – Publications of the research team


Haggerty J, Fortin M, Beaulieu M-D, Hudon, C., Loignon, C., Préville, M., Roberge, D. At the interface of community and healthcare systems: a longitudinal cohort study on evolving health and the impact of primary healthcare from the patient's perspective. BMC Health Services Research 2010;10:258. [Full text]


Hudon C, Fortin M, Soubhi S. Conditions musculo-squelettiques chroniques et comorbidités en soins de première ligne. Can Fam Physician 2008;54 74-75. [Full text]


Soubhi H, Fortin M, Hudon C. Perceived conflict in the couple and chronic illness management: Preliminary analyses from the Quebec Health Survey. BMC Family Practice 2006;7:59. [Full text]


Bayliss EA, Bayliss MS, Ware Jr JE, Steiner JF. Predicting declines in physical function in persons with multiple chronic medical conditions: what we can learn from the medical problem list. Health Qual Life Outcomes 2004;2:47. [Full texte]


Section B – Publications by subject

1. THEORETICAL & REVIEW ARTICLES AND PROTOCOLS


Damery S, Flanagan S, Combes G. The effectiveness of interventions to achieve co-ordinated multidisciplinary care and reduce hospital use for people with chronic diseases: study protocol for a systematic review of reviews. Syst Rev. 2015;4:64.


Salive ME. Multimorbidity in Older Adults. Epidemiol Rev. Jan 31 2013.


Lupari M, Coates V, Adamson G, Crealey GE. We're just not getting it right'--how should we provide care to the older person with multi-morbid chronic conditions? J Clin Nurs 2011;20.


Iezzoni LI. Multiple Chronic Conditions and Disabilities: Implications for Health Services Research and Data Demands. Health Serv Res. 2010;45(5 Pt 2):1523-40.


2. DEFINITION / CONCEPTUALISATION


3. CLINICAL AND EPIDEMIOLOGICAL STUDIES

3.1 Prevalence


### 3.2 Aetiology


### 3.3 Correlation with biological markers


3.4 Interactions and patterns


Ng SK: A two-way clustering framework to identify disparities in multimorbidity patterns of mental and physical health conditions among Australians. Stat Med. 2015;34(26):3444-3460


Wee, H.L., et al., The impact of diabetes mellitus and other chronic medical conditions on health-related Quality of Life: is the whole greater than the sum of its parts? Health & Quality of Life Outcomes, 2005. 3(1): p. 2.

3.5 Socio-demographic, socio-economic, and psychosocial variables


Hassan Soubhi, Martin Fortin and Catherine Hudon. Perceived conflict in the couple and chronic illness management: Preliminary analyses from the Quebec Health Survey. *BMC...
3.6 Variables related to hospitalization


Wallace E, McDowell R, Bennett K, Fahey T, Smith SM. Comparison of count-based multimorbidity measures in predicting emergency admission and functional decline in


### 3.7 Resource utilisation


van den Bussche, H., et al., Patterns of ambulatory medical care utilization in elderly patients with special reference to chronic diseases and multimorbidity - Results from a claims data based observational study in Germany. BMC Geriatrics, 2011. 11: p. 54.


3.8 Quality of life and functional level


Hodek JM, Ruhe AK, Greiner W. Relationship Between Health-Related Quality of Life and Multimorbidity. *Gesundheitswesen.* 2009 Sep 29. [Epub ahead of print]


### 3.9 Psychological distress, depression, and cognition


Thomeer MB. Multiple Chronic Conditions, Spouse’s Depressive Symptoms, and Gender within Marriage. J Health Soc Behav. 2016;**57**:59-76.


Gallo JJ, Hwang S, Joo JH, Bogner HR, Morales KH, Bruce ML *et al.*: Multimorbidity, Depression, and Mortality in Primary Care: Randomized Clinical Trial of an Evidence-Based Depression Care Management Program on Mortality Risk. *J Gen Intern Med.* 2015.

Loprinzi PD: Multimorbidity, cognitive function, and physical activity. *Age (Dordr).* 2016;**38**(1):8.


3.10 Medication


Richardson, K., et al., Variation over time in the association between polypharmacy and mortality in the older population. Drugs Aging, 2011. 28: p.:547-60.


3.11 Social support


3.12 Other clinical variables


Woo J, Leung J. Multi-morbidity, dependency, and frailty singly or in combination have different impact on health outcomes. Age (Dordr). Apr 2014;36(2):923-931.


Landi F et al. Disability, more than multimorbidity, was predictive of mortality among older persons aged 80 years and older. J Clin Epidemiol. 2010. 63(7):752-9.


3.13 Generalisation of clinical trials / Guidelines


Rothwell, P.M., External validity of randomised controlled trials: "to whom do the results of this trial apply?" *Lancet,* 2005. 365: p. 82-93.


3.14 Other subjects


Allore HG, Zhan Y, Cohen AB, Tinetti ME, Trentalange M, McAvay G: Methodology to Estimate the Longitudinal Average Attributable Fraction of Guideline-recommended


Chan CL, You HJ, Huang HT, Ting HW. Using an integrated COC index and multilevel measurements to verify the care outcome of patients with multiple chronic conditions. *BMC Health Serv Res.* 2012;12:405.


Wong A, Boshuizen HC, Schellevis FG, Kommer GJ, Polder JJ. Longitudinal administrative data can be used to examine multimorbidity, provided false discoveries are controlled for. J Clin Epidemiol 2011;64(10):1109-17.


4. ECONOMIC STUDIES


5. METHODS TO MEASURE MULTIMORBIDITY AND COMORBIDITY


Holzhausen M, Fuchs J, Busch M, et al. Operationalizing multimorbidity and autonomy for health services research in aging populations--the OMAHA study. BMC Health Serv Res 2011;11:47.


Charlson, M., et al., Validation of a combined comorbidity index.


Greenfield S, Apolone G, McNeil BJ, Cleary PD. The importance of co-existent disease in the occurrence of postoperative complications and one-year recovery in patients


Katz, J.N., et al., Can comorbidity be measured by questionnaire rather than medical record review? Medical Care., 1996. 34: p. 73-84.


Ware JE, Bayliss MS, Rogers WH, Kosinski M, Tarlov AR. Differences in 4-year health outcomes for elderly and poor, chronically ill patients treated in HMO and fee-for-service systems. Results from the Medical Outcomes Study. JAMA 1996; 276(13):1039-1047.


6. EDITORIALS / OPINION ARTICLES


Wise J. Patients with multimorbidity need longer GP consultations, says RCGP. BMJ. 2016;355:i5961.


Tinetti ME, Basu J. Research on multiple chronic conditions: where we are and where we need to go. *Med Care.* Mar 2014;52 Suppl 3:S3-6.


Better training is needed to deal with increasing multimorbidity. *BMJ*. 2012;344:e3336.


We need a system that accounts for multimorbidity at practice level. *BMJ*. 2012;345:e5464.


7. QUALITATIVE RESEARCH


de Vos A, Cramm JM, van Wijngaarden JD, Bakker TJ, Mackenbach JP, Nieboer AP. Understanding implementation of comprehensive geriatric care programs: a multiple perspective approach is preferred. *Int J Health Plann Manage.* 2016.


8. INTERVENTION IDEAS


9. OTHERS

9.1 Physical activity


Loprinzi PD. Sedentary behavior and medical multimorbidity. Physiol Behav. Nov 1 2015;151:395-397.


De Vries NM, Van Ravensberg CD, Hobbelen JS, Olde Rikkert MG, Staak SB, Nijhuis-van der Sanden MW. Effects of physical exercise therapy on mobility, physical functioning,


9.2 Continuity of care


9.3 Self-care


### 9.4 Medical errors / Medical Education


