Publications on multimorbidity

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INDEX

- 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
-- Publications by subject

1. THEORETICAL & REVIEW ARTICLES AND PROTOCOLS


Fitzgerald SP, Bean NG, Ruberu RP. A method of decision analysis quantifying the effects of age and comorbidities on the probability of deriving significant benefit from medical treatments. Journal of Comorbidity 2017;7:50–63


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.


Saliwe 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


Wilkie R, Blagojevic M, Jordan KP, Lacey R, McBeth J. Reasons why multimorbidity increases the risk of participation restriction in older adults with lower limb


Hassan Soubhi, Martin Fortin and Catherine Hudon. Perceived conflict in the couple and chronic illness management: Preliminary analyses from the Quebec Health Survey. *BMC Family Practice* 2006;7:59.


3.6 Variables related to hospitalization


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.


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


Helbig AK, Stockl D, Heier M, et al. Relationship between sleep disturbances and multimorbidity among community-dwelling men and women aged 65-93 years: results


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


Dekker LH, de Borst MH, Meems LMG, et al. The association of multimorbidity within cardio-metabolic disease domains with dietary patterns: A cross-sectional study in 129


Adams ML. Differences Between Younger and Older US Adults With Multiple Chronic Conditions. Prev Chronic Dis. 2017;14:E76.


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.


Inouye SK, Bogardus STJ, Vitagliano G, Desai MM, Williams CS, Grady JN et al. Burden of illness score for elderly persons. Risk adjustment incorporating the cumulative impact


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


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Oliver D. David Oliver: A manifesto for multimorbidity. BMJ 2018;360:k1044. doi: 10.1136/bmj.k1044


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


Gunn J. Designing care for people with mixed mental and physical multimorbidity. *BMJ.* 2015;**350**:h712.


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.


Richardson WS, Doster LM. Comorbidity and multimorbidity need to be placed in the context of a framework of risk, responsiveness, and vulnerability. *J Clin Epidemiol.* Mar 2014;67(3):244-246.


Kadam U. Redesigning the general practice consultation to improve care for patients with multimorbidity. BMJ. 2012;345:e6202.

Haggerty JL. Ordering the chaos for patients with multimorbidity. BMJ. 2012;345:e5915.


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


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

Kamerow D. How can we treat multiple chronic conditions? *BMJ*. 2012;**344**:e1487.


Valderas JM, Mercer SW, Fortin M. Research on patients with multiple health conditions: different constructs, different views, one voice. Journal of Comorbidity. 2011;**1**:1-3.


7. QUALITATIVE RESEARCH


Prazeres F, Simoes JA. Key Factors to Consider in Team Meetings when Dealing with Multimorbidity in Primary Care: Results from a Delphi Panel. Cureus 2019;11(6):e4990. doi: 10.7759/cureus.4990


van Dongen JJ, de Wit M, Smeets HW, Stoffers E, van Bokhoven MA, Daniels R. "They Are Talking About Me, but Not with Me": A Focus Group Study to Explore the Patient Perspective on Interprofessional Team Meetings in Primary Care. Patient. 2017.


Slightam CA, Brandt K, Jenchura EC, Lewis ET, Asch SM, Zulman DM. "I had to change so much in my life to live with my new limitations": Multimorbid patients’ descriptions of their most bothersome chronic conditions. Chronic Illn. 2017:1742395317699448.


8. INTERVENTION IDEAS


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elderly high-risk patients with multiple chronic conditions. A prospective study. Med Clin

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guiding primary care encounters for patients with multimorbidity using evidence-based
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case management vary in different subgroups of multimorbidity? Secondary analysis of a
quasi-experiment. BMC Health Serv Res. 2017;17(1):521. doi: 10.1186/s12913-017-
2475-x.

Melchiorre MG, Papa R, Rijken M, van Ginneken E, Hujala A, Barbabella F. eHealth in
integrated care programs for people with multimorbidity in Europe: Insights from the

Jager C, Steinhauser J, Freund T, Kuse S, Szecsenyi J, Wensing M. A tailored programme
to implement recommendations for multimorbid patients with polypharmacy in primary
care practices-process evaluation of a cluster randomized trial. Implement Sci.

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complex population: a functional health- and patient-centered approach to managing

Meschi T, Ticinesi A, Prati B, et al. A novel organizational model to face the challenge of
multimorbid elderly patients in an internal medicine setting: a case study from Parma
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multimorbidity living in areas of high socioeconomic deprivation. Chronic Illn.

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mental health problems and promoting mental health among community-dwelling seniors


Braithwaite RS, Fiellin D, Justice AC. The payoff time: a flexible framework to help clinicians decide when patients with comorbid disease are not likely to benefit from practice guidelines. Med Care. 2009 Jun;47(6):610-7.


9. OTHERS

9.1 Physical activity


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


9.2 Continuity of care


DuGoff EH. Continuity of Care in Older Adults With Multiple Chronic Conditions: How Well Do Administrative Measures Correspond With Patient Experiences? J Healthc Qual. 2017.


9.3 Self-care


9.4 Medical errors / Medical Education


