

Multimorbidity publications January-April 2020

1. Stirland LE, Gonzalez-Saavedra L, Mullin DS, et al. Measuring multimorbidity beyond counting diseases: systematic review of community and population studies and guide to index choice. *BMJ* 2020;368:m160. doi: 10.1136/bmj.m160
2. van Zon SKR, Reijneveld SA, Galaurchi A, et al. Multimorbidity and the Transition Out of Full-Time Paid Employment: A Longitudinal Analysis of the Health and Retirement Study. *J Gerontol B Psychol Sci Soc Sci* 2020;75(3):705-15. doi: 10.1093/geronb/gbz061
3. Freisling H, Viallon V, Lennon H, et al. Lifestyle factors and risk of multimorbidity of cancer and cardiometabolic diseases: a multinational cohort study. *BMC Med* 2020;18(1):5. doi: 10.1186/s12916-019-1474-7
4. Aminisani N, Stephens C, Allen J, et al. Socio-demographic and lifestyle factors associated with multimorbidity in New Zealand. *Epidemiol Health* 2020;42:e2020001. doi: 10.4178/epih.e2020001
5. Stickley A, Koyanagi A, Ueda M, et al. Physical multimorbidity and suicidal behavior in the general population in the United States. *J Affect Disord* 2020;260:604-09. doi: 10.1016/j.jad.2019.09.042
6. Iovino P, De Maria M, Matarese M, et al. Depression and self-care in older adults with multiple chronic conditions: A multivariate analysis. *J Adv Nurs* 2020 doi: 10.1111/jan.14385
7. Chudasama YV, Zaccardi F, Gillies CL, et al. Leisure-time physical activity and life expectancy in people with cardiometabolic multimorbidity and depression. *J Intern Med* 2020;287(1):87-99. doi: 10.1111/joim.12987
8. Jacob L, Oh H, Shin JI, et al. Informal caregiving, chronic physical conditions, and physical multimorbidity in 48 low- and middle-income countries. *J Gerontol A Biol Sci Med Sci* 2020 doi: 10.1093/gerona/glaa017
9. Davies LE, Spiers G, Kingston A, et al. Adverse Outcomes of Polypharmacy in Older People: Systematic Review of Reviews. *J Am Med Dir Assoc* 2020;21(2):181-87. doi: 10.1016/j.jamda.2019.10.022
10. Daniel O, Dest A, Munson A, et al. Interventions to Enhance Patient and Family Engagement Among Adults With Multiple Chronic Conditions: A Systematic Scoping Review. *Med Care* 2020;58(4):407-16. doi: 10.1097/MLR.0000000000001274
11. Xu X, Jones M, Mishra GD. Age at natural menopause and development of chronic conditions and multimorbidity: results from an Australian prospective cohort. *Hum Reprod* 2020;35(1):203-11. doi: 10.1093/humrep/dez259
12. Vicinanza R, Bersani FS, D'Ottavio E, et al. Adherence to Mediterranean diet moderates the association between multimorbidity and depressive symptoms in older adults. *Arch Gerontol Geriatr* 2020;88:104022. doi: 10.1016/j.archger.2020.104022
13. Maffoni M, Traversoni S, Costa E, et al. Medication adherence in the older adults with chronic multimorbidity: a systematic review of qualitative studies on patient's experience. *Eur Geriatr Med* 2020 doi: 10.1007/s41999-020-00313-2
14. Montes MC, Bortolotto CC, Tomasi E, et al. Strength and multimorbidity among community-dwelling elderly from southern Brazil. *Nutrition* 2020;71:110636. doi: 10.1016/j.nut.2019.110636
15. Facchinetti G, D'Angelo D, Piredda M, et al. Continuity of care interventions for preventing hospital readmission of older people with chronic diseases: A meta-analysis. *Int J Nurs Stud* 2020;101:103396. doi: 10.1016/j.ijnurstu.2019.103396

16. Almagro P, Ponce A, Komal S, et al. Multimorbidity gender patterns in hospitalized elderly patients. *PLoS One* 2020;15(1):e0227252. doi: 10.1371/journal.pone.0227252
17. Sirois C, Lunghi C, Berthelot W, et al. Benefits, risks and impacts on quality of life of medications used in multimorbid older adults: a Delphi study. *Int J Clin Pharm* 2020;42(1):40-50. doi: 10.1007/s11096-019-00935-y
18. Kandola A, Stubbs B, Koyanagi A. Physical multimorbidity and sedentary behavior in older adults: Findings from the Irish longitudinal study on ageing (TILDA). *Maturitas* 2020;134:1-7. doi: 10.1016/j.maturitas.2020.01.007
19. Raina P, Gilsing A, Mayhew AJ, et al. Individual and population level impact of chronic conditions on functional disability in older adults. *PLoS One* 2020;15(2):e0229160. doi: 10.1371/journal.pone.0229160
20. Webkamigad S, Rowe R, Peltier S, et al. Identifying and understanding the health and social care needs of Indigenous older adults with multiple chronic conditions and their caregivers: a scoping review. *BMC Geriatr* 2020;20(1):145. doi: 10.1186/s12877-020-01552-5
21. Whitney DG, Whitney RT, Kamdar NS, et al. Early-Onset Noncommunicable Disease and Multimorbidity Among Adults With Pediatric-Onset Disabilities. *Mayo Clin Proc* 67(2):144-57 2020;95(2):274-82. doi: 10.1016/j.mayocp.2019.07.010
22. Sum G, Ishida M, Koh GC, et al. Implications of multimorbidity on healthcare utilisation and work productivity by socioeconomic groups: Cross-sectional analyses of Australia and Japan. *PLoS One* 2020;15(4):e0232281. doi: 10.1371/journal.pone.0232281
23. Foo KM, Sundram M, Legido-Quigley H. Facilitators and barriers of managing patients with multiple chronic conditions in the community: a qualitative study. *BMC Public Health* 2020;20(1):273. doi: 10.1186/s12889-020-8375-8
24. Ward BW, Myrick KL, Cherry DK. Physician Specialty and Office Visits Made by Adults With Diagnosed Multiple Chronic Conditions: United States, 2014-2015. *Public Health Rep* 2020;135(3):372-82. doi: 10.1177/0033354920913005
25. Bare M, Herranz S, Jordana R, et al. Multimorbidity patterns in chronic older patients, potentially inappropriate prescribing and adverse drug reactions: protocol of the multicentre prospective cohort study MoPIM. *BMJ Open* 2020;10(1):e033322. doi: 10.1136/bmjopen-2019-033322
26. Pivetta NRS, Marincolo JCS, Neri AL, et al. Multimorbidity, frailty and functional disability in octogenarians: A structural equation analysis of relationship. *Arch Gerontol Geriatr* 2020;86:103931. doi: 10.1016/j.archger.2019.103931
27. Price ML, Surr CA, Gough B, et al. Experiences and support needs of informal caregivers of people with multimorbidity: a scoping literature review. *Psychol Health* 2020;35(1):36-69. doi: 10.1080/08870446.2019.1626125
28. Laires PA, Serrano-Alarcon M, Canhao H, et al. Multimorbidity and intention to retire: a cross-sectional study on 14 European countries. *Int J Public Health* 2020;65(2):187-95. doi: 10.1007/s00038-019-01322-0
29. Corallo B, Proser M, Nocon R. Comparing Rates of Multiple Chronic Conditions at Primary Care and Mental Health Visits to Community Health Centers Versus Private Practice Providers. *J Ambul Care Manage* 2020;43(2):136-47. doi: 10.1097/JAC.0000000000000324
30. Schear S, Patel K, Deng LX, et al. Multimorbidity and Opioid Prescribing in Hospitalized Older Adults. *J Palliat Med* 2020;23(4):475-82. doi: 10.1089/jpm.2019.0260

31. Cheng C, Yang CY, Inder K, et al. Urban-rural differences in mental health among Chinese patients with multiple chronic conditions. *Int J Ment Health Nurs* 2020;29(2):224-34. doi: 10.1111/inm.12666
32. Robertson L, Ayansina D, Johnston M, et al. Urban-rural and socioeconomic status: Impact on multimorbidity prevalence in hospitalized patients. *J Comorb* 2020;10:2235042X19893470. doi: 10.1177/2235042X19893470
33. Juul-Larsen HG, Andersen O, Bandholm T, et al. Differences in function and recovery profiles between patterns of multimorbidity among older medical patients the first year after an acute admission-An exploratory latent class analysis. *Arch Gerontol Geriatr* 2020;86:103956. doi: 10.1016/j.archger.2019.103956
34. Mueller-Schotte S, Zuithoff NPA, Van der Schouw YT, et al. Trends in Risk of Limitations in Instrumental Activities of Daily Living Over Age in Older Persons With and Without Multiple Chronic Conditions. *J Gerontol A Biol Sci Med Sci* 2020;75(1):197-203. doi: 10.1093/gerona/glz049
35. Polenick CA, Leggett AN, Webster NJ, et al. Multiple Chronic Conditions in Spousal Caregivers of Older Adults With Functional Disability: Associations With Caregiving Difficulties and Gains. *J Gerontol B Psychol Sci Soc Sci* 2020;75(1):160-72. doi: 10.1093/geronb/gbx118
36. Marengoni A, Roso-Llorach A, Vetrano DL, et al. Patterns of Multimorbidity in a Population-Based Cohort of Older People: Sociodemographic, Lifestyle, Clinical, and Functional Differences. *J Gerontol A Biol Sci Med Sci* 2020;75(4):798-805. doi: 10.1093/gerona/glz137
37. Ahn S, Hussein M, Mahmood A, et al. Emergency department and inpatient utilization among U.S. older adults with multiple chronic conditions: a post-reform update. *BMC Health Serv Res* 2020;20(1):77. doi: 10.1186/s12913-020-4902-7
38. Cheng C, Inder K, Chan SW. Coping with multiple chronic conditions: An integrative review. *Nurs Health Sci* 2020 doi: 10.1111/nhs.12695
39. Ngangue PA, Forgues C, Nguyen T, et al. Patients, caregivers and health-care professionals' experience with an interdisciplinary intervention for people with multimorbidity in primary care: A qualitative study. *Health Expect* 2020;23(2):318-27. doi: 10.1111/hex.13035
40. Khorrami Z, Rezapour M, Etemad K, et al. The patterns of Non-communicable disease Multimorbidity in Iran: A Multilevel Analysis. *Sci Rep* 2020;10(1):3034. doi: 10.1038/s41598-020-59668-y
41. Canevelli M, Raganato R, Remiddi F, et al. Counting deficits or diseases? The agreement between frailty and multimorbidity in subjects with cognitive disturbances. *Aging Clin Exp Res* 2020;32(1):179-82. doi: 10.1007/s40520-019-01161-2
42. Quinaz Romana G, Kislava I, Cunha Goncalves S, et al. Healthcare use in patients with multimorbidity. *Eur J Public Health* 2020;30(1):16-22. doi: 10.1093/eurpub/ckz118
43. Malecki SL, Van Mil S, Graffi J, et al. A genetic model for multimorbidity in young adults. *Genet Med* 2020;22(1):132-41. doi: 10.1038/s41436-019-0603-1
44. Zhang L, Ma L, Sun F, et al. A Multicenter Study of Multimorbidity in Older Adult Inpatients in China. *J Nutr Health Aging* 2020;24(3):269-76. doi: 10.1007/s12603-020-1311-x
45. Wister A, Cosco T, Mitchell B, et al. Health behaviors and multimorbidity resilience among older adults using the Canadian Longitudinal Study on Aging. *Int Psychogeriatr* 2020;32(1):119-33. doi: 10.1017/S1041610219000486
46. Whitty CJM, MacEwen C, Goddard A, et al. Rising to the challenge of multimorbidity. *BMJ* 2020;368:l6964. doi: 10.1136/bmj.l6964

47. Yao SS, Cao GY, Han L, et al. Associations Between Somatic Multimorbidity Patterns and Depression in a Longitudinal Cohort of Middle-Aged and Older Chinese. *J Am Med Dir Assoc* 2020 doi: 10.1016/j.jamda.2019.11.028
48. Sum G, Koh GC, Mercer SW, et al. Patients with more comorbidities have better detection of chronic conditions, but poorer management and control: findings from six middle-income countries. *BMC Public Health* 2020;20(1):9. doi: 10.1186/s12889-019-8112-3
49. White C, Lentin P, Farnworth L. 'I know what I am doing': A grounded theory investigation into the activities and occupations of adults living with chronic conditions. *Scand J Occup Ther* 2020;27(1):56-65. doi: 10.1080/11038128.2019.1624818
50. Wang C, Kuo HC, Cheng SF, et al. Continuity of care and multiple chronic conditions impact frequent use of outpatient services. *Health Informatics J* 2020;26(1):318-27. doi: 10.1177/1460458218824720
51. Ha NT, Wright C, Youens D, et al. Effect Modification of Multimorbidity on the Association Between Regularity of General Practitioner Contacts and Potentially Avoidable Hospitalisations. *J Gen Intern Med* 2020;35(5):1504-15. doi: 10.1007/s11606-020-05699-0
52. Fried TR, Street RL, Jr., Cohen AB. Chronic Disease Decision Making and "What Matters Most". *J Am Geriatr Soc* 2020;68(3):474-77. doi: 10.1111/jgs.16371
53. Oksavik JD, Kirchhoff R, Sogstad MKR, et al. Sharing responsibility: municipal health professionals' approaches to goal setting with older patients with multi-morbidity - a grounded theory study. *BMC Health Serv Res* 2020;20(1):141. doi: 10.1186/s12913-020-4983-3
54. Gawron LM, Sanders JN, Sward K, et al. Multi-morbidity and Highly Effective Contraception in Reproductive-Age Women in the US Intermountain West: a Retrospective Cohort Study. *J Gen Intern Med* 2020;35(3):637-42. doi: 10.1007/s11606-019-05425-5
55. Scharf AC, Gronewold J, Dahlmann C, et al. Clinical and functional patient characteristics predict medical needs in older patients at risk of functional decline. *BMC Geriatr* 2020;20(1):75. doi: 10.1186/s12877-020-1443-1
56. Crowley EK, Sallevelt B, Huibers CJA, et al. Intervention protocol: Optimising thERapy to prevent avoidable hospital Admission in the Multi-morbid elderly (OPERAM): a structured medication review with support of a computerised decision support system. *BMC Health Serv Res* 2020;20(1):220. doi: 10.1186/s12913-020-5056-3
57. Wang Z, Boulanger L, Berger D, et al. Development and internal validation of a multimorbidity index that predicts healthcare utilisation using the Canadian Longitudinal Study on Aging. *BMJ Open* 2020;10(4):e033974. doi: 10.1136/bmjopen-2019-033974
58. Briongos-Figuero LS, Cobos-Siles M, Gabella-Martin M, et al. Evaluation and characterization of multimorbidity profiles, resource consumption and healthcare needs in extremely elderly people. *Int J Qual Health Care* 2020;32(4):266-70. doi: 10.1093/intqhc/mzaa022
59. Zheng DD, McCollister KE, Christ SL, et al. Chronic condition patterns in the US population and their association with health related quality of life. *Prev Med* 2020;136:106102. doi: 10.1016/j.ypmed.2020.106102
60. Storeng SH, Vinjerui KH, Sund ER, et al. Associations between complex multimorbidity, activities of daily living and mortality among older Norwegians. A prospective cohort study: the HUNT Study, Norway. *BMC Geriatr* 2020;20(1):21. doi: 10.1186/s12877-020-1425-3
61. Stone CL. A population-based measure of chronic disease severity for health planning and evaluation in the United States. *AIMS Public Health* 2020;7(1):44-65. doi: 10.3934/publichealth.2020006

62. Wei MY, Ratz D, Mukamal KJ. Multimorbidity in Medicare Beneficiaries: Performance of an ICD-Coded Multimorbidity-Weighted Index. *J Am Geriatr Soc* 2020;68(5):999-1006. doi: 10.1111/jgs.16310
63. Iovino P, Lyons KS, De Maria M, et al. Patient and caregiver contributions to self-care in multiple chronic conditions: A multilevel modelling analysis. *Int J Nurs Stud* 2020;103574. doi: 10.1016/j.ijnurstu.2020.103574
64. Smeets RGM, Elissen AMJ, Kroese M, et al. Identifying subgroups of high-need, high-cost, chronically ill patients in primary care: A latent class analysis. *PLoS One* 2020;15(1):e0228103. doi: 10.1371/journal.pone.0228103
65. Laba TL, Cheng L, Kolhatkar A, et al. Cost-related nonadherence to medicines in people with multiple chronic conditions. *Res Social Adm Pharm* 2020;16(3):415-21. doi: 10.1016/j.sapharm.2019.06.008
66. Ritchie CS, Garrett SB, Thompson N, et al. Unintended Consequences of Opioid Regulations in Older Adults with Multiple Chronic Conditions. *Gerontologist* 2020 doi: 10.1093/geront/gnaa016
67. Yu J, Song F, Li Y, et al. Multimorbidity Analysis of 13 Systemic Diseases in Northeast China. *Int J Environ Res Public Health* 2020;17(6) doi: 10.3390/ijerph17061817
68. Cowan E, Nation M, Whittle M, et al. Cardiovascular, metabolic and kidney disease: crosscutting science and best practice in multimorbidity - a multispecialty conference at the Royal College of Physicians. *Clin Med (Lond)* 2020;20(1):28-30. doi: 10.7861/clinmed.2019-0393
69. Aoki T, Yamamoto Y, Shimizu S, et al. Physical multimorbidity patterns and depressive symptoms: a nationwide cross-sectional study in Japan. *Fam Med Community Health* 2020;8(1):e000234. doi: 10.1136/fmch-2019-000234
70. Payne RA, Mendonca SC, Elliott MN, et al. Development and validation of the Cambridge Multimorbidity Score. *CMAJ* 2020;192(5):E107-E14. doi: 10.1503/cmaj.190757
71. Quinones AR, Allore HG, Botosaneanu A, et al. Tracking Multimorbidity Changes in Diverse Racial/Ethnic Populations Over Time: Issues and Considerations. *J Gerontol A Biol Sci Med Sci* 2020;75(2):297-300. doi: 10.1093/gerona/glz028
72. Sathanapally H, Sidhu M, Fahami R, et al. Priorities of patients with multimorbidity and of clinicians regarding treatment and health outcomes: a systematic mixed studies review. *BMJ Open* 2020;10(2):e033445. doi: 10.1136/bmjopen-2019-033445
73. Andrade-Lima A, Werneck AO, Szwarcwald CL, et al. The role of physical activity in the association between multimorbidity and depressive symptoms: Data from 60,202 adults from the Brazilian National Health Survey. *J Psychosom Res* 2020;134:110122. doi: 10.1016/j.jpsychores.2020.110122
74. Lee Y, Kim H, Jeong H, et al. Patterns of Multimorbidity in Adults: An Association Rules Analysis Using the Korea Health Panel. *Int J Environ Res Public Health* 2020;17(8) doi: 10.3390/ijerph17082618
75. Cheng C, Yang CY, Inder K, et al. Illness Perceptions, Coping Strategies, and Quality of Life in People With Multiple Chronic Conditions. *J Nurs Scholarsh* 2020;52(2):145-54. doi: 10.1111/jnu.12540
76. Pati S, Swain S, Knottnerus JA, et al. Magnitude and determinants of multimorbidity and health care utilization among patients attending public versus private primary care: a cross-sectional study from Odisha, India. *Int J Equity Health* 2020;19(1):57. doi: 10.1186/s12939-020-01170-y

77. Li C, Zhou R, Yao N, et al. Health Care Utilization and Unmet Needs in Chinese Older Adults With Multimorbidity and Functional Impairment. *J Am Med Dir Assoc* 2020 doi: 10.1016/j.jamda.2020.02.010
78. Juul-Larsen HG, Christensen LD, Bandholm T, et al. Patterns of Multimorbidity and Differences in Healthcare Utilization and Complexity Among Acutely Hospitalized Medical Patients (≥ 65 Years) - A Latent Class Approach. *Clin Epidemiol* 2020;12:245-59. doi: 10.2147/CLEP.S226586
79. Aubert CE, Schnipper JL, Roumet M, et al. Best Definitions of Multimorbidity to Identify Patients With High Health Care Resource Utilization. *Mayo Clin Proc Innov Qual Outcomes* 2020;4(1):40-49. doi: 10.1016/j.mayocpiqo.2019.09.002
80. Li H, Wang A, Gao Q, et al. Prevalence of somatic-mental multimorbidity and its prospective association with disability among older adults in China. *Aging (Albany NY)* 2020;12(8):7218-31. doi: 10.18632/aging.103070
81. Dugravot A, Fayosse A, Dumurgier J, et al. Social inequalities in multimorbidity, frailty, disability, and transitions to mortality: a 24-year follow-up of the Whitehall II cohort study. *Lancet Public Health* 2020;5(1):e42-e50. doi: 10.1016/S2468-2667(19)30226-9
82. Jonsson AR, Reventlow S, Guassora AD. How Older Men With Multimorbidity Relate to Successful Aging. *J Gerontol B Psychol Sci Soc Sci* 2020;75(5):1104-12. doi: 10.1093/geronb/gbz019
83. Richter S, Demirer I, Choi KE, et al. People with multimorbidity in outpatient care: patient-focused and needs-oriented healthcare management (MamBo) - protocol for a multiperspective evaluation study. *BMC Health Serv Res* 2020;20(1):296. doi: 10.1186/s12913-020-05178-6
84. Kuipers SJ, Nieboer AP, Cramm JM. Views of patients with multi-morbidity on what is important for patient-centered care in the primary care setting. *BMC Fam Pract* 2020;21(1):71. doi: 10.1186/s12875-020-01144-7
85. Chamberlain AM, Finney Rutten LJ, Wilson PM, et al. Neighborhood socioeconomic disadvantage is associated with multimorbidity in a geographically-defined community. *BMC Public Health* 2020;20(1):13. doi: 10.1186/s12889-019-8123-0
86. Clynes MA, Bevilacqua G, Jameson KA, et al. Does self-report of multimorbidity in later life predict impaired physical functioning, and might this be useful in clinical practice? *Aging Clin Exp Res* 2020 doi: 10.1007/s40520-020-01500-8
87. Machon M, Mateo-Abad M, Clerencia-Sierra M, et al. Multimorbidity and functional status in older people: a cluster analysis. *Eur Geriatr Med* 2020;11(2):321-32. doi: 10.1007/s41999-020-00291-5
88. Peart A, Barton C, Lewis V, et al. A state-of-the-art review of the experience of care coordination interventions for people living with multimorbidity. *J Clin Nurs* 2020;29(9-10):1445-56. doi: 10.1111/jocn.15206
89. Lee HJ, Yun J. Health-related quality of life in South Korean community-dwelling older adults with multimorbidity: a convergent parallel mixed-methods approach. *Qual Life Res* 2020;29(3):721-32. doi: 10.1007/s11136-019-02360-0
90. Roman Lay AA, Ferreira do Nascimento C, Caba Burgos F, et al. Gender Differences between Multimorbidity and All-Cause Mortality among Older Adults. *Curr Gerontol Geriatr Res* 2020;2020:7816785. doi: 10.1155/2020/7816785
91. Mercer SW, Watt GC, Reilly J, et al. Multimorbidity and GP burnout. *Br J Gen Pract* 2020;70(692):108. doi: 10.3399/bjgp20X708353

92. Aubert CE, Schnipper JL, Fankhauser N, et al. Patterns of multimorbidity in medical inpatients: a multinational retrospective cohort study. *Intern Emerg Med* 2020 doi: 10.1007/s11739-020-02306-2
93. Miller JJ, Pozehl BJ, Alonso W, et al. Intervention Components Targeting Self-Management in Individuals with Multiple Chronic Conditions: An Integrative Review. *West J Nurs Res* 2020;193945920902146. doi: 10.1177/0193945920902146
94. Hussain R, Wark S, Janicki MP, et al. Multimorbidity in older people with intellectual disability. *J Appl Res Intellect Disabil* 2020 doi: 10.1111/jar.12743
95. Griffith LE, Gruneir A, Fisher KA, et al. Measuring multimorbidity series-an overlooked complexity comparison of self-report vs. administrative data in community-living adults: paper 2. Prevalence estimates depend on the data source. *J Clin Epidemiol* 2020 doi: 10.1016/j.jclinepi.2020.04.019
96. Cohen-Stavi CJ, Key C, Giveon S, et al. Assessing guideline-concordant care for patients with multimorbidity treated in a care management setting. *Fam Pract* 2020 doi: 10.1093/fampra/cmaa024
97. Yang C, Hui Z, Zeng D, et al. Examining and adapting the information-motivation-behavioural skills model of medication adherence among community-dwelling older patients with multimorbidity: protocol for a cross-sectional study. *BMJ Open* 2020;10(3):e033431. doi: 10.1136/bmjopen-2019-033431
98. Aaby A, Beauchamp A, O'Hara J, et al. Large diversity in Danish health literacy profiles: perspectives for care of long-term illness and multimorbidity. *Eur J Public Health* 2020;30(1):75-80. doi: 10.1093/eurpub/ckz134
99. Pedersen AF, Noroxe KB, Vedsted P. Influence of patient multimorbidity on GP burnout: a survey and register-based study in Danish general practice. *Br J Gen Pract* 2020;70(691):e95-e101. doi: 10.3399/bjgp20X707837
100. Gonzalez-Chica DA, Hoon E, Stocks N. Multimorbidity, health-related quality of life and health service use among individuals with mental health problems: Urban-rural differences in South Australia. *Aust J Rural Health* 10(5):256-61 2020;28(2):110-19. doi: 10.1111/ajr.12621
101. Monerde D, Vela E, Cleries M, et al. Multimorbidity as a predictor of health service utilization in primary care: a registry-based study of the Catalan population. *BMC Fam Pract* 2020;21(1):39. doi: 10.1186/s12875-020-01104-1
102. Garnett A, Ploeg J, Markle-Reid M, et al. Self-Report Tools for Assessing Physical Activity in Community-Living Older Adults with Multiple Chronic Conditions: A Systematic Review of Psychometric Properties and Feasibility. *Can J Aging* 2020;39(1):12-30. doi: 10.1017/S0714980819000357
103. Moller A, Bissenbakker KH, Arreskov AB, et al. Specific Measures of Quality of Life in Patients with Multimorbidity in Primary Healthcare: A Systematic Review on Patient-Reported Outcome Measures' Adequacy of Measurement. *Patient Relat Outcome Meas* 2020;11:1-10. doi: 10.2147/PROM.S226576
104. Zhang D, Sit RWS, Wong C, et al. Cohort profile: The prospective study on Chinese elderly with multimorbidity in primary care in Hong Kong. *BMJ Open* 2020;10(2):e027279. doi: 10.1136/bmjopen-2018-027279
105. O'Mahony MS, Parbhoo A. Deprescribing in older people. *Br J Hosp Med (Lond)* 2020;81(1):1-9. doi: 10.12968/hmed.2019.0213
106. Masnoon N, Shakib S, Kalisch Ellett L, et al. Predictors of unplanned hospitalisation in the older population: The role of polypharmacy and other medication and chronic disease-related factors. *Australas J Ageing* 2020 doi: 10.1111/ajag.12769

107. Gallo LC, Fortmann AL, Bravin JI, et al. My Bridge (Mi Puente), a care transitions intervention for Hispanics/Latinos with multimorbidity and behavioral health concerns: protocol for a randomized controlled trial. *Trials* 2020;21(1):174. doi: 10.1186/s13063-019-3722-8
108. Odland ML, Payne C, Witham MD, et al. Epidemiology of multimorbidity in conditions of extreme poverty: a population-based study of older adults in rural Burkina Faso. *BMJ Glob Health* 2020;5(3):e002096. doi: 10.1136/bmjgh-2019-002096
109. Gruneir A, Griffith LE, Fisher K, et al. Measuring multimorbidity series. An overlooked complexity - Comparison of self-report vs. administrative data in community-living adults: Paper 3. Agreement across data sources and implications for estimating associations with health service use. *J Clin Epidemiol* 2020 doi: 10.1016/j.jclinepi.2020.04.018
110. Westley-Wise V, Lago L, Mullan J, et al. Patterns of morbidity and multimorbidity associated with early and late readmissions in an Australian regional health service. *Chronic Illn* 2020;1742395319899459. doi: 10.1177/1742395319899459
111. Thorn J, Man MS, Chaplin K, et al. Cost-effectiveness of a patient-centred approach to managing multimorbidity in primary care: a pragmatic cluster randomised controlled trial. *BMJ Open* 2020;10(1):e030110. doi: 10.1136/bmjopen-2019-030110
112. Sutherland I, Samadian S. Managing multimorbidity needs time and thought. *BMJ* 2020;368:m711. doi: 10.1136/bmj.m711
113. Boeckxstaens P, Brown JB, Reichert SM, et al. Perspectives of specialists and family physicians in interprofessional teams in caring for patients with multimorbidity: a qualitative study. *CMAJ Open* 2020;8(2):E251-E56. doi: 10.9778/cmajo.20190222
114. Zhu Y, Edwards D, Mant J, et al. Characteristics, service use and mortality of clusters of multimorbid patients in England: a population-based study. *BMC Med* 2020;18(1):78. doi: 10.1186/s12916-020-01543-8
115. Mair FS, Jani BD. Emerging trends and future research on the role of socioeconomic status in chronic illness and multimorbidity. *Lancet Public Health* 2020;5(3):e128-e29. doi: 10.1016/S2468-2667(20)30001-3
116. Read J, Sharpe L, Burton AL, et al. A randomized controlled trial of internet-delivered cognitive behaviour therapy to prevent the development of depressive disorders in older adults with multimorbidity. *J Affect Disord* 2020;264:464-73. doi: 10.1016/j.jad.2019.11.077
117. Butterworth JE, Hays R, McDonagh STJ, et al. Involving older people with multimorbidity in decision-making about their primary healthcare: A Cochrane systematic review of interventions (abridged). *Patient Educ Couns* 2020 doi: 10.1016/j.pec.2020.04.008
118. Xu Z, Zhang D, Sit RWS, et al. Incidence of and Risk factors for Mild Cognitive Impairment in Chinese Older Adults with Multimorbidity in Hong Kong. *Sci Rep* 2020;10(1):4137. doi: 10.1038/s41598-020-60901-x
119. Glattacker M, Kanat M, Schaefer J, et al. Availability and Quality of Assessment Instruments on Patient-Centredness in the Multimorbid Elderly (AQuA-PCE): a study protocol of a systematic review. *BMJ Open* 2020;10(2):e033273. doi: 10.1136/bmjopen-2019-033273
120. Gontijo Guerra S, Berbiche D, Vasiliadis HM. Changes in instrumental activities of daily living functioning associated with concurrent common mental disorders and physical multimorbidity in older adults. *Disabil Rehabil* 2020:1-9. doi: 10.1080/09638288.2020.1745303

121. Beeler PE, Cheetham M, Held U, et al. Depression is independently associated with increased length of stay and readmissions in multimorbid inpatients. *Eur J Intern Med* 2020;73:59-66. doi: 10.1016/j.ejim.2019.11.012
122. Peart A, Lewis V, Barton C, et al. Healthcare professionals providing care coordination to people living with multimorbidity: An interpretative phenomenological analysis. *J Clin Nurs* 2020;29(13-14):2317-28. doi: 10.1111/jocn.15243
123. Nguyen TN, Ngangue PA, Ryan BL, et al. The revised Patient Perception of Patient-Centeredness Questionnaire: Exploring the factor structure in French-speaking patients with multimorbidity. *Health Expect* 2020 doi: 10.1111/hex.13068
124. Melchiorre MG, Papa R, Quattrini S, et al. Integrated Care Programs for People with Multimorbidity in European Countries: eHealth Adoption in Health Systems. *Biomed Res Int* 2020;2020:9025326. doi: 10.1155/2020/9025326
125. Whitty CJM, Watt FM. Map clusters of diseases to tackle multimorbidity. *Nature* 2020;579(7800):494-96. doi: 10.1038/d41586-020-00837-4
126. Chiolero A, Rodondi N, Santschi V. High-value, data-informed, and team-based care for multimorbidity. *Lancet Public Health* 2020;5(2):e84. doi: 10.1016/S2468-2667(20)30007-4
127. Lang C, Voigt K, Neumann R, et al. Adherence and acceptance of a home-based telemonitoring application used by multi-morbid patients aged 65 years and older. *J Telemed Telecare* 2020:1357633X20901400. doi: 10.1177/1357633X20901400
128. Sharpe M. Time to transcend "physical" and "mental" health. *BMJ* 2020;368:m609. doi: 10.1136/bmj.m609
129. Coughlan C, Watson M. Managing multimorbidity: listening to patients and integrated care. *BMJ* 2020;368:m713. doi: 10.1136/bmj.m713
130. Duncan H. Managing multimorbidity: all doctors started as generalists. *BMJ* 2020;368:m733. doi: 10.1136/bmj.m733
131. Peart A, Barton C, Lewis V, et al. The experience of care coordination for people living with multimorbidity at risk of hospitalisation: an interpretative phenomenological analysis. *Psychol Health* 2020:1-21. doi: 10.1080/08870446.2020.1743293
132. Adan M, Gillies C, Tyrer F, et al. The multimorbidity epidemic: challenges for real-world research. *Prim Health Care Res Dev* 2020;21:e6. doi: 10.1017/S146342361900094X
133. Mathew R. Rammya Mathew: Learning to manage multimorbidity. *BMJ* 2020;368:m871. doi: 10.1136/bmj.m871
134. Lenti MV, Corazza GR. Administrative data for exploring multimorbidity in hospitalised patients. *Intern Emerg Med* 2020 doi: 10.1007/s11739-020-02307-1
135. Gruneir A, Fisher K, Perez R, et al. Measuring multimorbidity series: an overlooked complexity-comparison of self-report vs. administrative data in community-living adults-paper 1: introduction. *J Clin Epidemiol* 2020 doi: 10.1016/j.jclinepi.2020.04.020