Supplementary file 2: List of excluded studies and reasons for exclusion

Studies excluded for wrong population	Studies excluded for wrong study design	Studies excluded for wrong intervention
Abrahams-Gessel 2018 ¹	Ajay 2016 ⁹	Bachmann 2018 ²⁸
Adomaviciute 2014 ²	Al Asmary 2013 ¹⁰	Hong 2013 ²⁹
Alharbi 2014 ³	Garrib 2018 ¹¹	Kowalski 2017 ³⁰
Miao 2016 ⁴	Germe 2017 ¹²	McKee 2011 ³¹
Myers 2018 ⁵	Kwarisiima 2019 ¹³	Mendis 2010 ³²
Rakic 2011 ⁶	Li 2013 ¹⁴	Pibernik-Okanovic 2015 ³³
Sarrafzadegan 2006 ⁷	Mahomed 2014 ¹⁵	Saleh 2018 ³⁴
Spaak 2017 ⁸	Narayanan 2012 ¹⁶	Sarrafzadegan 2009 ³⁵
	Nigatu 2012 ¹⁷	Tourkmani 2018 ³⁶
	Nyabera 2011 ¹⁸	Wenxi 2017 ³⁷
	Patel 2018 ¹⁹	
	Patel 2015 ²⁰	
	Rabkin 2018 ²¹	
	Samb 2010 ²²	
	Sarraf-Zadegan 2003 ²³	
	Sushilkumar 2015 ²⁴	
	Tedjokusumo 2003 ²⁵	
	Tiam 2012 ²⁶	
	Wasay 2009 ²⁷	

- 1. Abrahams-Gessel S, Beratarrechea A, Irazola V, et al. Using mHealth tools to improve access, coverage and treatment of uninsured people with high cardiovascular disease risk in Argentina: a study protocol for a pragmatic cluster randomised trial. *BMJ innovations* 2018;4(3):135-41. doi: 10.1136/bmjinnov-2017-000255
- Adomaviciute S, Watt H, Soljak M, et al. Impact of the Integrated Care Pilot on HbA1c, cholesterol and systolic blood pressure levels in patients with diabetes. *Diabetic Medicine* 2014;31(SUPPL. 1):175. doi: http://dx.doi.org/10.1111/dme.12378 2
- 3. Alharbi TJ, Tourkmani A, Alkhashan H, et al. Impact of integrated care program on glycemic control and cardiovascular risk in patients with type 2 diabetes; Interventional controlled study. *Diabetes Research and Clinical Practice* 2014;106(SUPPL. 1):S93-S94.
- 4. Miao Y, Zhang L, Sparring V, et al. Improving health related quality of life among rural hypertensive patients through the integrative strategy of health services delivery: A quasi-experimental trial from Chongqing, China. *International Journal for Equity in Health* 2016;15(1):132. doi: http://dx.doi.org/10.1186/s12939-016-0421-x
- 5. Myers B, Lund C, Lombard C, et al. Comparing dedicated and designated models of integrating mental health into chronic disease care: study protocol for a cluster randomized controlled trial. *Trials* 2018;19(1) (no pagination) doi: 10.1186/s13063-018-2568-9
- 6. Rakic D, Jakovljevic D. [Integrated approach to prevention and control of cardiovascular diseases]. Srpski arhiv za celokupno lekarstvo 2011;139(5-6):304-10.
- 7. Sarrafzadegan N, Baghaei A, Sadri G, et al. Isfahan healthy heart program: Evaluation of comprehensive, community-based interventions for non-communicable disease prevention. Prevention and Control 2006;2(2):73-84. doi: http://dx.doi.org/10.1016/j.precon.2006.10.003

- 8. Spaak J, Brommels M, Kahan T, et al. Integrated, Multidisciplinary, Person-centered Care for Patients With Complex Comorbidities: Heart, Kidney and Diabetes, 2017.
- 9. Ajay VS, Jindal D, Roy A, et al. Development of a Smartphone-Enabled Hypertension and Diabetes Mellitus Management Package to Facilitate Evidence-Based Care Delivery in Primary Healthcare Facilities in India: The mPower Heart Project. *Journal of the American Heart Association* 2016;5(12) doi: 10.1161/jaha.116.004343
- 10. Al Asmary SM, Al-Harbi T, Tourkmani AM, et al. Impact of integrated care program on glycemic control and cardiovascular risk in adult patients with type 2 diabetes. *Journal of Clinical Outcomes Management* 2013;20(8):356-63.
- 11. Garrib A, Birungi J, Lesikari S, et al. Integrated care for human immunodeficiency virus, diabetes and hypertension in Africa. *Transactions of the Royal Society of Tropical Medicine and Hygiene* 2018 doi: 10.1093/trstmh/try098
- 12. Germe M, Zingwari J, Matji R, et al. Baseline assessment of high volume facility capacity to provide integrated tuberculosis (TB) and diabetes (DM) services in South Africa. *Diabetes* 2017;66(Supplement 1):A460-A61.
- 13. Kwarisiima D, Atukunda M, Owaraganise A, et al. Hypertension control in integrated HIV and chronic disease clinics in Uganda in the SEARCH study. *BMC Public Health* 2019;19(1):511. doi: 10.1186/s12889-019-6838-6 [published Online First: 2019/05/08]
- 14. Li Q, Li L, Fan XL, et al. The values of evidence-based comprehensive care for patients with type 2 diabetes mellitus and cardiovascular diseases to improve the quality of life. *Heart* 2013;99(SUPPL. 3):A282-A83. doi: http://dx.doi.org/10.1136/heartjnl-2013-304613.797
- 15. Mahomed OH, Asmall S, Freeman M. An integrated chronic disease management model: a diagonal approach to health system strengthening in South Africa. *Journal of health care for the poor and underserved* 2014;25(4):1723-29. doi: http://dx.doi.org/10.1353/hpu.2014.0176
- 16. Narayanan G, Prabhakaran D. Integrating mental health into cardiovascular disease research in India. *National Medical Journal of India* 2012;25(5):274-80.
- 17. Nigatu T. Integration of HIV and noncommunicable diseases in health care delivery in low- and middle-income countries. *Preventing chronic disease* 2012;9:E93.
- 18. Nyabera RA, Yonga G, Mwangemi F, et al. Evaluation of a project integrating cardiovascular care into HIV programmes. *Cardiovascular Journal of Africa* 2011;22(3 SUPPL. 1):S17.
- 19. Patel P, Speight C, Maida A, et al. Integrating HIV and hypertension management in low-resource settings: Lessons from Malawi. *PLoS medicine* 2018;15(3):e1002523. doi: 10.1371/journal.pmed.1002523
- 20. Patel V, Chatterji S. Integrating Mental Health In Care For Noncommunicable Diseases: An Imperative For Person-Centered Care. *Health affairs (Project Hope)* 2015;34(9):1498-505. doi: 10.1377/hlthaff.2015.0791
- 21. Rabkin M, Palma A, McNairy ML, et al. Integrating cardiovascular disease risk factor screening into HIV services in Swaziland: lessons from an implementation science study. *Aids* 2018;32:S43-S46. doi: 10.1097/qad.000000000001889
- 22. Samb B, Desai N, Nishtar S, et al. Chronic Diseases: Chronic Diseases and Development 4
 Prevention and management of chronic disease: a litmus test for health-systems
 strengthening in low-income and middle-income countries. *Lancet* 2010;376(9754):1785-97.
 doi: 10.1016/s0140-6736(10)61353-0
- 23. Sarraf-Zadegan N, Sadri G, Malek Afzali H, et al. Isfahan Healthy Heart Programme: a comprehensive integrated community-based programme for cardiovascular disease prevention and control. Design, methods and initial experience. *Acta cardiologica* 2003;58(4):309-20. doi: 10.2143/ac.58.4.2005288
- 24. Sushilkumar PL, Mahendrakumar BJ, Suman B, et al. Implementation and evaluation of health screening services to diabetic and hypertensive patients in a selected community pharmacy at belgaum city. *Asian Journal of Pharmaceutical and Clinical Research* 2015;8(3):305-15.
- 25. Tedjokusumo R. Introducing the integrated cardiovascular services at Dr. Hasan Sadikini Hospital. Heart Lung and Circulation 2003;12(SUPPL. 2):S82-384. doi: http://dx.doi.org/10.1046/j.1443-9506.2003.t01-4-.x

- 26. Tiam A, Oyebanji O, Nkonyana J, et al. Family health days: An innovative approach to providing integrated health services for HIV and non-communicable diseases among adults and children in hard-to-reach areas of Lesotho. *Journal of the International AIDS Society* 2012;15(SUPPL. 3):236. doi: http://dx.doi.org/org/10.7448/IAS.15.5.18438
- 27. Wasay M, Jabbar A. Fight against chronic diseases (high blood pressure, stroke, diabetes and cancer) in Pakistan; cost-effective interventions. *JPMA The Journal of the Pakistan Medical Association* 2009;59(4):196-7.
- 28. Bachmann MO, Bateman ED, Stelmach R, et al. Integrating primary care of chronic respiratory disease, cardiovascular disease and diabetes in Brazil: Practical Approach to Care Kit (PACK Brazil): study protocol for randomised controlled trials. *Journal of Thoracic Disease* 2018;10(7):4667-77.
- 29. Hong T. Web-Based Collaborative Care for Patients With Diabetes and Depression. <u>Https://clinicaltrialsgov/show/nct01985711</u> 2013
- 30. Kowalski AJ, Poongothai S, Chwastiak L, et al. The INtegrating DEPrEssioN and Diabetes treatmENT (INDEPENDENT) study: Design and methods to address mental healthcare gaps in India. *Contemporary clinical trials* 2017;60:113-24. doi: 10.1016/j.cct.2017.06.013
- 31. McKee MD, Fletcher J, Sigal I, et al. A collaborative approach to control hypertension in diabetes: outcomes of a pilot intervention. *Journal of primary care & community health* 2011;2(3):148-52. doi: 10.1177/2150131911401028
- 32. Mendis S, Johnston SC, Fan W, et al. Cardiovascular risk management and its impact on hypertension control in primary care in low-resource settings: a cluster-randomized trial. *Bulletin of the World Health Organization* 2010;88(6):412-9. doi: 10.2471/blt.08.062364
- 33. Pibernik-Okanovic M, Hermanns N, Ajdukovic D, et al. Does treatment of subsyndromal depression improve depression-related and diabetes-related outcomes? A randomised controlled comparison of psychoeducation, physical exercise and enhanced treatment as usual. *Trials* 2015;16:305. doi: 10.1186/s13063-015-0833-8
- 34. Saleh S, Farah A, Dimassi H, et al. Using Mobile Health to Enhance Outcomes of Noncommunicable Diseases Care in Rural Settings and Refugee Camps: Randomized Controlled Trial. *JMIR mHealth and uHealth* 2018;6(7):e137. doi: 10.2196/mhealth.8146
- 35. Sarrafzadegan N, Kelishadi R, Esmaillzadeh A, et al. Do lifestyle interventions work in developing countries? Findings from the Isfahan Healthy Heart Program in the Islamic Republic of Iran. Bull World Health Organ 2009;87(1):39-50. doi: 10.2471/blt.07.049841
- 36. Tourkmani AM, Abdelhay O, Alkhashan HI, et al. Impact of an integrated care program on glycemic control and cardiovascular risk factors in patients with type 2 diabetes in Saudi Arabia: an interventional parallel-group controlled study. *BMC Fam Pract* 2018;19:10. doi: 10.1186/s12875-017-0677-2
- 37. Wenxi T, Yan Z, Liang Z. Effects of provider incentives in integrated healthcare delivery system reform: a quasiexperiment on patients with chronic diseases in rural China. *International Journal of Integrated Care (IJIC)* 2017;17(3):171-72. doi: 10.5334/ijic.3207