



## Impact of diabetes on quality of life and mortality of older people: A systematic review and meta-analysis

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### Abstract:

A number of studies have been conducted on the impact of diabetes on quality of life and mortality among older people. However, the results are fragmented. Therefore this review aimed to collate the available evidence on the quality of life and all-cause mortality of older people with diabetes. A literature search was undertaken for studies on quality of life and all-cause mortality among older type 2 diabetes patients. Study eligibility was assessed using criteria including use of quality of life and/ or mortality as outcome measures; and inclusion of study subjects aged  $\geq 65$  years or sub-analysis on this age group. The Preferred Reporting Items for Systematic Reviews and Meta-Analyses (PRISMA) guidelines were followed. The pooled effects of diabetes on all-cause mortality were calculated using a random-effects model with a 95% confidence interval (CI). A total of 22 studies met the inclusion criteria, nine of which were included in the meta-analysis.

### Biography:

Meron Taye is a Masters in Global Health student at the University of Bonn, Germany from Oct 2018 to Sept 2020. Completed her BSc in Medical Laboratory Technology, Haramaya University, Ethiopia and Public Health in Monitoring & Evaluation, Mekelle University, Ethiopia.

### Recent Publications:

1. The serum concentration of vitamin B12 as a biomarker of therapeutic response in tuberculosis patients with and without human immunodeficiency virus (HIV) infection. Gebremicael G, Alemayehu M, Sileshi M, Geto Z, Gebreegziabxier A, Tefera H,



Ashenafi N, Tadese C, Wolde M, Kassa D. *Int J Gen Med.* 2019 Sep 20;12:353-361. doi: 10.2147/IJGM.S218799. eCollection 2019. PMID: 31571974

2. Prevalence of Hyperhomocysteinaemia and Associated Factors among Ethiopian Adult Population in a 2015 National Survey. Challa F, Getahun T, Sileshi M, Nigassie B, Geto Z, Ashibire G, Gelibo T, Tefera S, Seifu D, Sitotaw Y, Bekele A, Abate E, Baye K. *Biomed Res Int.* 2020 Jan 11;2020:9210261. doi: 10.1155/2020/9210261. eCollection 2020. PMID: 32420383
3. Retirement and Activity Restrictions Following Concussion. Laker SR, Meron A, Greher MR, Wilson J. *Phys Med Rehabil Clin N Am.* 2016 May;27(2):487-501. doi: 10.1016/j.pmr.2016.01.001. Epub 2016 Mar 8. PMID: 27154858
4. Streptococcal adhesion to various luting systems and the role of mixing errors. Buegers R, Hahnel S, Reischl U, Mueller R, Rosentritt M, Handel G, Behr M. *Acta Odontol Scand.* 2009;67(3):139-45. doi: 10.1080/00016350902729251. PMID: 19235565

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