

BRHS 2020 - 2025

Akinmolayan A, Papacosta AO, Lennon LT, Ellins EA, Halcox JPJ, Whincup PH, Wannamethee SG. Carotid Intima-Media Thickness, Carotid Distensibility, and Incident Heart Failure in Older Men: The British Regional Heart Study. *J Am Heart Assoc.* 2025;14(7):e037167.

Cai Z, Papacosta AO, Lennon LT, Whincup PH, Wannamethee SG, Simonsick EM, et al. Associations of social engagement and loneliness with the progression and reversal of frailty: longitudinal investigations of 2 prospective cohorts from the UK and the USA. *Am J Epidemiol.* 2025;194(4):984-93.

Chawla M, Papacosta O, Lennon L, Ahmed A, Whincup P, Wannamethee SG. Association of ideal cardiovascular health and Life's Simple 7 metrics with incident heart failure among older men: the British Regional Heart Study. *Eur J Prev Cardiol.* 2025.

Ganbavale SG, Cai Z, Mathers JC, Papacosta O, Lennon L, Whincup PH, et al. Association between poor oral health and deterioration of appetite in older age: results from longitudinal analyses of two prospective cohorts from the UK and USA. *BMJ Open.* 2025;15(2):e083973.

Global Cardiovascular Risk C, Magnussen C, Alegre-Diaz J, Al-Nasser LA, Amouyel P, Aviles-Santa L, et al. Global Effect of Cardiovascular Risk Factors on Lifetime Estimates. *N Engl J Med.* 2025.

Shah ASV, Keene SJ, Pennells L, Kaptoge S, Kimenai DM, Walker M, et al. Cardiac Troponins and Cardiovascular Disease Risk Prediction: An Individual-Participant-Data Meta-Analysis. *J Am Coll Cardiol.* 2025;85(14):1471-84.

2024

Cai Z, Papacosta AO, Lennon LT, Whincup PH, Wannamethee SG, Simonsick EM, et al. Associations of social engagement, and loneliness with the progression and reversal of frailty: longitudinal investigations of two prospective cohorts from the UK and the USA. *Am J Epidemiol.* 2024. doi: 10.1093/aje/kwae221

Ganbavale SG, Papachristou E, Mathers JC, Papacosta AO, Lennon LT, Whincup PH, et al. Neighborhood Deprivation and Changes in Oral Health in Older Age: A Longitudinal Population-Based Study. *J Dent Res.* 2024;103(4):434-41.

Wang QY, Schmidt AF, Lennon LT, Papacosta O, Whincup PH, Wannamethee G. Association of Life's Simple 7 lifestyle metric with cardiometabolic disease-free life expectancy in older British men. *Commun Med-London.* 2024;4(1).

Wannamethee SG. Napping and Obesity in Adults - What do we Know? *Curr Diab Rep.* 2024;24(11):237-43.

NCD Risk Factor Collaboration (NCD-RisC). Phelps NH et al Worldwide trends in underweight and obesity from 1990 to 2022: a pooled analysis of 3663 population-representative studies with 222 million children, adolescents, and adults. *Lancet.* 2024;403(10431):1027-1050. doi: 10.1016/S0140-6736(23)02750-2.

NCD Risk Factor Collaboration (NCD-RisC). Zhou B et al. General and abdominal adiposity and hypertension in eight world regions: a pooled analysis of 837 population-based studies with 7.5 million participants. *The Lancet.* 2024;404(10455):851-863.

NCD Risk Factor Collaboration (NCD-RisC). Zhou et al. Worldwide trends in diabetes prevalence and treatment from 1990 to 2022: a pooled analysis of 1108 population-representative studies with 141 million participants. *Lancet*. 2024 Nov 23;404(10467):2077-2093.

2023

Ahmed A, Ambler G, Pinto Pereira SM, Lennon L, Papacosta O, Whincup P, et al. Stroke risk in older British men: Comparing performance of stroke-specific and composite-CVD risk prediction tools. *Prev Med Rep*. 2023;31:102098.

Bush KJ, Papacosta AO, Lennon LT, Rankin J, Whincup PH, Wannamethee SG, et al. Influence of neighborhood-level socioeconomic deprivation and individual socioeconomic position on risk of developing type 2 diabetes in older men: a longitudinal analysis in the British Regional Heart Study cohort. *BMJ Open Diabetes Res Care*. 2023;11(5).

Chen A, Lennon L, Papacosta O, Wannamethee SG. Association of night-time sleep duration and daytime napping with all-cause and cause-specific mortality in older British men: from the British Regional Heart Study. *Sleep Medicine*. 2023;109:32-9.

Global Cardiovascular Risk C, Magnussen C, Ojeda FM, Leong DP, Alegre-Diaz J, Amouyel P, et al. Global Effect of Modifiable Risk Factors on Cardiovascular Disease and Mortality. *N Engl J Med*. 2023;389(14):1273-85.

Kaptoge S, Sun L, Walker M, Spackman S, Pennells L, Seshasai SRK, et al. Life expectancy associated with different ages at diagnosis of type 2 diabetes in high-income countries: 23 million person-years of observation. *Lancet Diabetes Endo*. 2023;11(10):731-42.

Kimble R, McLellan G, Lennon LT, Papacosta AO, Mathers JC, Wannamethee SG, et al. Cohort Profile Update: The British Regional Heart Study 1978-2018: 40 years of follow-up of older British men. *Int J Epidemiol*. 2023;52(3):e187-e94.

Kimble R, Papacosta AO, Lennon LT, Whincup PH, Weyant RJ, Mathers JC, et al. The Relationships of Dentition, Use of Dental Prosthesis and Oral Health Problems with Frailty, Disability and Diet Quality: Results from Population-Based Studies of Older Adults from the UK and USA. *J Nutr Health Aging*. 2023;27(8):663-72.

Kimble R, Papacosta AO, Lennon LT, Whincup PH, Weyant RJ, Mathers JC, et al. The Relationship of Oral Health with Progression of Physical Frailty among Older Adults: A Longitudinal Study Composed of Two Cohorts of Older Adults from the United Kingdom and United States. *J Am Med Dir Assoc*. 2023;24(4):468-74 e3.

Mitchell JJ, Hamer M, Blodgett JM, Wannamethee GS, Jefferis BJ. Associations between sporting physical activity and cognition in mid and later-life: Evidence from two cohorts. *Scand J Med Sci Sports*. 2023;33(8):1570-5.

Paluch AE, Bajpai S, Ballin M, Bassett DR, Buford TW, Carnethon MR, Chernofsky A... Steps for Health Collaborative. Prospective Association of Daily Steps With Cardiovascular Disease: A Harmonized Meta-Analysis.. *Circulation*, 2023;147 (2):122-131

Schmidt AF, Joshi R, Gordillo-Maranon M, Drenos F, Charoen P, Giambartolomei C, et al. Biomedical consequences of elevated cholesterol-containing lipoproteins and apolipoproteins on cardiovascular and non-cardiovascular outcomes. *Commun Med-London*. 2023;3(1).

Wang Q, Schmidt AF, Lennon LT, Papacosta O, Whincup PH, Wannamethee SG. Prospective associations between diet quality, dietary components, and risk of cardiometabolic multimorbidity in older British men. *Eur J Nutr*. 2023;62(7):2793-804.

Wannamethee SG, Atkins JL. Sarcopenic Obesity and Cardiometabolic Health and Mortality in Older Adults: a Growing Health Concern in an Ageing Population. *Curr Diab Rep*. 2023.

Zhou B, Sheffer KE, Bennett JE, Gregg EW, Danaei G, Singleton RK, et al. Global variation in diabetes diagnosis and prevalence based on fasting glucose and hemoglobin A1c. *Nat Med*. 2023.

2022

Coyte A, Perry R, Papacosta AO, Lennon L, Whincup PH, Wannamethee SG, et al. Social relationships and the risk of incident heart failure: results from a prospective population-based study of older men. *Eur Heart J Open*. 2022;2(1):oeab045.

Gaziano L, Sun L, Arnold M, Bell S, Cho K, Kaptoge SK et al. Emerging Risk Factors Collaboration/EPIC-CVD/Million Veteran Program. Mild-to-Moderate Kidney Dysfunction and Cardiovascular Disease: Observational and Mendelian Randomization Analyses. *Circulation*. 2022 Nov 15;146(20):1507-1517. doi: 10.1161/CIRCULATIONAHA.122.060700. Epub 2022 Oct 31. PMID: 36314129; PMCID: PMC9662821.

Kimble R, McLellan G, Lennon LT, Papacosta AO, Mathers JC, Wannamethee SG, Whincup PH, Ramsay SE. Cohort Profile Update: The British Regional Heart Study 1978-2018: 40 years of follow-up of older British men. *Int J Epidemiol*. 2022 Jun 3;dyac122. doi: 10.1093/ije/dyac122. Epub ahead of print. PMID: 35656703.

Kimble R, Papacosta AO, Lennon LT, Whincup PH, Weyant RJ, Mathers JC, Wannamethee SG, Ramsay SE. The Relationship of Oral Health With Progression of Physical Frailty Among Older Adults: A Longitudinal Study Composed of Two Cohorts of Older Adults From the United Kingdom and United States. *J Am Med Dir Assoc*. 2022 Dec 27:S1525-8610(22)00919-7. doi: 10.1016/j.jamda.2022.11.022. Epub ahead of print. PMID: 36584971.

Kotronia E, Brown H, Papacosta O, Lennon LT, Weyant RJ, Whincup PH, et al. Oral health problems and risk of incident disability in two studies of older adults in the United Kingdom and the United States. *Journal of the American Geriatrics Society*. 2022.

McKechnie DGJ, Patel M, Papacosta AO, Lennon LT, Ellins EA, Halcox JPJ, et al. Associations between inflammation, coagulation, cardiac strain and injury, and subclinical vascular disease with frailty in older men: a cross-sectional study. *BMC Geriatr*. 2022;22(1):405.

Paluch AE, Bajpai S, Bassett DR, Carnethon MR, Ekelund U, Evenson KR, et al. Daily steps and all-cause mortality: a meta-analysis of 15 international cohorts. *Lancet Public Health*. 2022;7(3):e219-e28.

Schutte R, Smith L, Wannamethee G. Alcohol-The myth of cardiovascular protection. *Clinical Nutrition*. 2022;41(2):348-55.

Tarp J, Fagerland MW, Dalene KE, Johannessen JS, Hansen BH, Jefferis BJ, et al. Device-measured physical activity, adiposity and mortality: a harmonised meta-analysis of eight prospective cohort studies. *Br J Sports Med*. 2022;56(13):725-32.

Wannamethee SG. Frailty and increased risk of cardiovascular disease: are we at a crossroad to include frailty in cardiovascular risk assessment in older adults? *Eur Heart J*. 2022;43(8):827-9.

Wannamethee SG, Papacosta O, Lennon L, Whincup PH, Rumley A, Lowe GDO. Haematological variables and risk of future venous thromboembolism in the British Regional Heart Study on men. Combined D-dimer and APTT as a predictive test for thromboembolism? *Br J Haematol*. 2022;198(3):587-94.

2021

Ahluwalia TS, Prins BP, Abdollahi M, et al. Genome-wide association study of circulating interleukin 6 levels identifies novel loci. *Hum Mol Genet* 2021; 30(5): 393-409. doi: 10.1093/hmg/ddab023. <https://www.ncbi.nlm.nih.gov/pubmed/33517400>

Gilani A, De Caterina R, Papacosta O, Lennon LT, Whincup PH, Wannamethee SG. Excessive Orthostatic Changes in Blood Pressure Are Associated With Incident Heart Failure in Older Men: A Prospective Analysis From the BRHS. *Hypertension* 2021; 77(5): 1481-9. doi: 10.1161/HYPERTENSIONAHA.120.15817. Epub 2021 Mar 15.

Gilani A, Ramsay SE, Welsh P, et al. Vitamin D deficiency is associated with orthostatic hypotension in older men: a cross-sectional analysis from the British Regional Heart Study. *Age Ageing* 2021; 50(1): 198-204. doi: 10.1093/ageing/afaa146.

Gordillo-Maranon M, Zwierzyna M, Charoen P, et al. Validation of lipid-related therapeutic targets for coronary heart disease prevention using human genetics. *Nat Commun* 2021; 12(1): 6120. doi: 10.1038/s41467-021-25731-z.

Joshi R, Wannamethee G, Engmann J, et al. Establishing reference intervals for triglyceride-containing lipoprotein subfraction metabolites measured using nuclear magnetic resonance spectroscopy in a UK population. *Ann Clin Biochem* 2021; 58(1): 47-53. doi: 10.1177/0004563220961753. Epub 2020 Oct 21.

Kotronia E, Brown H, Papacosta AO, et al. Oral health and all-cause, cardiovascular disease, and respiratory mortality in older people in the UK and USA. *Sci Rep* 2021; 11(1): 16452. doi: 10.1038/s41598-021-95865-z.

Kotronia E, Brown H, Papacosta AO, et al. Poor oral health and the association with diet quality and intake in older people in two studies in the UK and USA. *Br J Nutr* 2021; 126(1): 118-30. doi: 10.1017/S0007114521000180. Epub 2021 Jan 20. (Kotronia E, Brown H, Olia Papacosta A, et al. Poor oral health and the association with diet quality and intake in older people in two studies in the UK and USA - CORRIGENDUM. *Br J Nutr* 2021; 126(1): 160. doi: 10.1017/S0007114521000878. Epub 2021 Mar 22.)

Kotronia E, Wannamethee SG, Papacosta AO, et al. Poor Oral Health and Inflammatory, Hemostatic, and Cardiac Biomarkers in Older Age: Results From Two Studies in the UK and USA. *J Gerontol A Biol Sci Med Sci* 2021; 76(2): 346-51. doi: 10.1093/gerona/glaa096

McKechnie DG, Papacosta AO, Lennon LT, Ramsay SE, Whincup PH, Wannamethee SG. Frailty and incident heart failure in older men: the British Regional Heart Study. *Open Heart* 2021; 8(1). doi: 10.1136/openhrt-2021-001571

McKechnie DG, Papacosta AO, Lennon LT, Welsh P, Whincup PH, Wannamethee SG. Inflammatory markers and incident heart failure in older men: the role of NT-proBNP. *Biomark Med* 2021; 15(6): 413-25. doi: 10.2217/bmm-2020-0669. Epub 2021 Mar 12.

McKechnie DGJ, Papacosta AO, Lennon LT, et al. Subclinical cardiovascular disease and risk of incident frailty: The British Regional Heart Study. *Exp Gerontol* 2021; 154: 111522. doi: 10.1016/j.exger.2021.111522. Epub 2021 Aug 21.

McKechnie DGJ, Papacosta AO, Lennon LT, Ramsay SE, Whincup PH, Wannamethee SG. Associations between inflammation, cardiovascular biomarkers and incident frailty: the British Regional Heart Study. *Age Ageing* 2021; 50(6): 1979-87. doi: 10.1093/ageing/afab143

Schmidt AF, Hunt NB, Gordillo-Maranon M, et al. Cholesteryl ester transfer protein (CETP) as a drug target for cardiovascular disease. *Nat Commun* 2021; 12(1): 5640. doi: 10.1038/s41467-021-25703-3

Wannamethee SG, Papacosta O, Lennon L, Hingorani A, Whincup P. Adult height and incidence of atrial fibrillation and heart failure in older men: The British Regional Heart Study. *Int J Cardiol Heart Vasc* 2021; 35: 100835. doi: 10.1016/j.ijcha.2021.100835. eCollection 2021 Aug.

2020

Aggio D, Papachristou E, Papacosta O, Lennon LT, Ash S, Whincup P, Wannamethee SG, Jefferis BJ. Trajectories of physical activity from midlife to old age and associations with subsequent cardiovascular disease and all-cause mortality. *J Epidemiol Community Health*. 2020 Feb;74(2):130-136. doi: 10.1136/jech-2019-212706. Epub 2019 Nov 8. PMID: 31704805

Ahmed A, Pinto Pereira SM, Lennon L, Papacosta O, Whincup P, Wannamethee G. Cardiovascular Health and Stroke in Older British Men: Prospective Findings From the British Regional Heart Study. *Stroke*. 2020;51(11):3286-94. DOI: 10.1161/STROKEAHA.120.030546

Borges MC, Schmidt AF, Jefferis B, Wannamethee SG, Lawlor DA, Kivimaki M, et al. Circulating Fatty Acids and Risk of Coronary Heart Disease and Stroke: Individual Participant Data Meta-Analysis in Up to 16 126 Participants. *J Am Heart Assoc*. 2020;9(5):e013131. PMID: PMC7335585 DOI: 10.1161/JAHA.119.013131

Brunner FJ, Waldeyer C, Ojeda F, Salomaa V, Kee F, Sans S, Thorand B, Giampaoli S, Brambilla P, Tunstall-Pedoe H, Moitry M, Iacoviello L, Veronesi G, Grassi G, Mathiesen EB, Söderberg S, Linneberg A, Brenner H, Amouyel P, Ferrières J, Tamosiunas A, Nikitin YP, Drygas W, Melander O, Jöckel KH, Leistner DM, Shaw JE, Panagiotakos DB, Simons LA, Kavousi M, Vasan RS, Dullaart RPF, Wannamethee SG, Risérus U, Shea S, de Lemos JA, Omland T, Kuulasmaa K, Landmesser U, Blankenberg S; Multinational Cardiovascular Risk Consortium. Application of non-HDL cholesterol for population-based cardiovascular risk stratification: results from the Multinational Cardiovascular Risk Consortium. *Lancet*. 2019 Dec 14;394(10215):2173-2183. doi: 10.1016/S0140-6736(19)32519-X. Epub 2019 Dec 3. Erratum in: *Lancet*. 2019 Dec 6 *Lancet*. 2020 Jan 4;395(10217):32. PMID: 31810609

Ekelund U, Tarp J, Fagerland MW, Johannessen JS, Hansen BH, Jefferis BJ, et al. Joint associations of accelerometer-measured physical activity and sedentary time with all-cause mortality: a harmonised meta-analysis in more than 44 000 middle-aged and older individuals. *Br J Sports Med*. 2020;54(24):1499-506. PMID: PMC7719907 DOI: 10.1136/bjsports-2020-103270

Gilani A, Ramsay S, Welsh P, Papacosta O, Lennon L, Whincup P, et al. Vitamin D deficiency is associated with increased risk of postural hypotension in older men: a cross-sectional analysis from The British Regional Heart Study. *Br J Gen Pract*. 2020;70(suppl 1). DOI: 10.3399/bjgp20X711209

Gilani A, Ramsay SE, Juraschek SP, Papacosta O, Lennon LT, Whincup PH, et al. Associations of the systolic and diastolic components of orthostatic hypotension with markers of cardiovascular risk in older men: A cross-sectional analysis from The British Regional Heart Study. *J Clin Hypertens (Greenwich)*. 2020;22(10):1892-901. PMID: PMC8029713 DOI: 10.1111/jch.13996

Joshi R, Wannamethee SG, Engmann J, Gaunt T, Lawlor DA, Price J, Papacosta O, Shah T, Tillin T, Chaturvedi N, Kivimaki M, Kuh D, Kumari M, Hughes AD, Casas JP, Humphries S, Hingorani AD, Schmidt AF. Triglyceride-containing lipoprotein sub-fractions and risk of coronary heart disease and stroke: A prospective analysis in 11,560 adults. *Eur J Prev Cardiol*. 2020 Jan 29:2047487319899621. doi: 10.1177/2047487319899621. [Epub ahead of print] PMID: 31996015

Liljas AEM, Walters K, de Oliveira C, Wannamethee SG, Ramsay SE, Carvalho LA. Self-Reported Sensory Impairments and Changes in Cognitive Performance: A Longitudinal 6-Year Follow-Up Study of English Community-Dwelling Adults Aged 50 Years. *J Aging Health*. 2020;32(5-6):243-51. PMID: PMC7221867 DOI: 10.1177/0898264318815391