

MD7513 - Prevention, Screening & Early Detection in Diabetes

[View Online](#)

Prevention, Screening & Early Detection in Diabetes

'A Community Based Primary Prevention Programme for Type 2 Diabetes Integrating Identification and Lifestyle Intervention for Prevention: The Let's Prevent Diabetes Cluster Randomised Controlled Trial- ClinicalKey', n.d.
<<https://www-clinicalkey-com.ezproxy3.lib.le.ac.uk/#!/content/journal/1-s2.0-S0091743515003850>>

A Systems Science Approach to the Obesity Epidemic and Prevention of Diabetes., 20 AD
<<https://www.youtube.com/watch?v=HrrD-Z0B7dY&feature=youtu.be&t=55s%20A%20Systems%20Science%20Approach%20to%20the%20Obesity%20Epidemic%20and%20Prevention%20of%20Diabetes.>>

Absetz, P., and others, 'Type 2 Diabetes Prevention in the Real World: Three-Year Results of the GOAL Lifestyle Implementation Trial', *Diabetes Care*, 32.8 (2009), pp. 1418-20, doi:10.2337/dc09-0039

Ackermann, Ronald T., and others, 'Translating the Diabetes Prevention Program into the Community', *American Journal of Preventive Medicine*, 35.4 (2008), pp. 357-63, doi:10.1016/j.amepre.2008.06.035

Aguiar, Elroy J., and others, 'Efficacy of the Type 2 Diabetes Prevention Using LifeStyle Education Program RCT', *American Journal of Preventive Medicine*, 50.3 (2016), pp. 353-64, doi:10.1016/j.amepre.2015.08.020

'American Diabetes Association - Standards of Medical Care in Diabetes - 2017 Summary of Revisions', *Diabetes Care*, 40.Supplement 1 (2017), pp. S4-5, doi:10.2337/dc17-S003

Aune, Dagfinn, and others, 'Whole Grain and Refined Grain Consumption and the Risk of Type 2 Diabetes: A Systematic Review and Dose-Response Meta-Analysis of Cohort Studies', *European Journal of Epidemiology*, 28.11 (2013), pp. 845-58, doi:10.1007/s10654-013-9852-5

Bailey, Stephen, *Academic Writing : A Handbook for International Students*, 5th edn (n.d.) <<https://ebookcentral.proquest.com/lib/leicester/detail.action?docID=5178437>>

Barry, Eleanor, and others, 'Efficacy and Effectiveness of Screen and Treat Policies in Prevention of Type 2 Diabetes: Systematic Review and Meta-Analysis of Screening Tests and Interventions', *BMJ*, published online 4 January 2017, doi:10.1136/bmj.i6538

Breeze, P. R., and others, 'Cost-Effectiveness of Population-Based, Community, Workplace and Individual Policies for Diabetes Prevention in the UK', *Diabetic Medicine*, 34.8 (2017),

pp. 1136–44, doi:10.1111/dme.13349

—, and others, 'The Impact of Type 2 Diabetes Prevention Programmes Based on Risk-Identification and Lifestyle Intervention Intensity Strategies: A Cost-Effectiveness Analysis', *Diabetic Medicine*, 34.5 (2017), pp. 632–40, doi:10.1111/dme.13314

Brown, Julie, and others, 'Lifestyle Interventions for the Treatment of Women with Gestational Diabetes', in *Cochrane Database of Systematic Reviews* (John Wiley & Sons, Ltd, 1996), doi:10.1002/14651858.CD011970.pub2

Carlsson, Lena M. S., and others, 'Bariatric Surgery and Prevention of Type 2 Diabetes in Swedish Obese Subjects', *New England Journal of Medicine*, 367.8 (2012), pp. 695–704, doi:10.1056/NEJMoa1112082

—, and others, 'Bariatric Surgery and Prevention of Type 2 Diabetes in Swedish Obese Subjects', *New England Journal of Medicine*, 367.8 (2012), pp. 695–704, doi:10.1056/NEJMoa1112082

Carter, Patrice, Kamlesh Khunti, and Melanie J. Davies, 'Dietary Recommendations for the Prevention of Type 2 Diabetes: What Are They Based On?', *Journal of Nutrition and Metabolism*, 2012 (2012), pp. 1–6, doi:10.1155/2012/847202

Church, Timothy S., and others, 'Effects of Aerobic and Resistance Training on Hemoglobin A Levels in Patients With Type 2 Diabetes', *JAMA*, 304.20 (2010), doi:10.1001/jama.2010.1710

'Clinical Applicability and Cost-Effectiveness of DIABSCORE in Screening for Type 2 Diabetes in Primary Care- ClinicalKey', n.d.
<<https://www-clinicalkey-com.ezproxy3.lib.le.ac.uk/#!/content/journal/1-s2.0-S0168822717301031>>

Colberg, S. R., and others, 'Exercise and Type 2 Diabetes: The American College of Sports Medicine and the American Diabetes Association: Joint Position Statement Executive Summary', *Diabetes Care*, 33.12 (2010), pp. 2692–96, doi:10.2337/dc10-1548

Colberg, Sheri R., and others, 'Physical Activity/Exercise and Diabetes: A Position Statement of the American Diabetes Association', *Diabetes Care*, 39.11 (2016), pp. 2065–79, doi:10.2337/dc16-1728

'Correction', *Circulation*, 116.23 (2007), pp. e557–e557, doi:10.1161/CIRCULATIONAHA.107.187928

Creame, Phyllis, and Mary R. Lea, *Writing At University: A Guide For Students*, 3rd ed (McGraw-Hill Education, 2008)
<<https://ebookcentral.proquest.com/lib/leicester/detail.action?pq-origsite=primo&docID=345134>>

Dagfinn Aune, 'Whole Grain Consumption and Risk of Cardiovascular Disease, Cancer, and All Cause and Cause Specific Mortality: Systematic Review and Dose-Response Meta-Analysis of Prospective Studies', *The BMJ*, 353 (2016), doi:doi: 10.1136/bmj.i2716

Deborah F Tate, 'Replacing Caloric Beverages with Water or Diet Beverages for Weight Loss in Adults: Main Results of the Choose Healthy Options Consciously Everyday (CHOICE) Randomized Clinical Trial', *The American Journal of Clinical Nutrition*, 95.3 (2012), doi:doi: 10.3945/ajcn.111.026278

Dhingra, R., and others, 'Soft Drink Consumption and Risk of Developing Cardiometabolic Risk Factors and the Metabolic Syndrome in Middle-Aged Adults in the Community', *Circulation*, 116.5 (2007), pp. 480–88, doi:10.1161/CIRCULATIONAHA.107.689935

'Differences in the Prospective Association between Individual Plasma Phospholipid Saturated Fatty Acids and Incident Type 2 Diabetes: The EPIC-InterAct Case-Cohort Study', n.d.
<http://ac.els-cdn.com/S2213858714701469/1-s2.0-S2213858714701469-main.pdf?_tid=41970bbc-7e93-11e7-a8e5-00000aabb0f01&acdnat=1502455838_1e4678aef6e5b79c43c42f6b68f370f1>

Dyson, P. A., and others, 'Diabetes UK Evidence-Based Nutrition Guidelines for the Prevention and Management of Diabetes', *Diabetic Medicine*, 28.11 (2011), pp. 1282–88, doi:10.1111/j.1464-5491.2011.03371.x

'Effect of a Lifestyle Intervention on Weight Change in South Asian Individuals in the UK at High Risk of Type 2 Diabetes: A Family-Cluster Randomised Controlled Trial- ClinicalKey', n.d. <<https://www.clinicalkey.com/#!/content/journal/1-s2.0-S2213858713702043>>

Emily A Hu, 'White Rice Consumption and Risk of Type 2 Diabetes: Meta-Analysis and Systematic Review', *The BMJ*, 344 (2012), doi:doi: 10.1136/bmj.e1454

Fogelholm, Mikael, and others, 'PREVIEW: Prevention of Diabetes through Lifestyle Intervention and Population Studies in Europe and around the World. Design, Methods, and Baseline Participant Description of an Adult Cohort Enrolled into a Three-Year Randomised Clinical Trial', *Nutrients*, 9.6 (2017), doi:10.3390/nu9060632

Georgios S Papaetis, 'Incretin-Based Therapies in Prediabetes: Current Evidence and Future Perspectives', *World Journal of Diabetes*, 5.6 (2014), doi:doi: 10.4239/wjd.v5.i6.817

Gillies, C. L., and others, 'Pharmacological and Lifestyle Interventions to Prevent or Delay Type 2 Diabetes in People with Impaired Glucose Tolerance: Systematic Review and Meta-Analysis', *BMJ*, 334.7588 (2007), pp. 299–299, doi:10.1136/bmj.39063.689375.55

Gopalan, Anjali, and others, 'Awareness of Prediabetes and Engagement in Diabetes Risk-Reducing Behaviors', *American Journal of Preventive Medicine*, 49.4 (2015), pp. 512–19, doi:10.1016/j.amepre.2015.03.007

Gray, L. J., and others, 'Detection of Impaired Glucose Regulation and/or Type 2 Diabetes Mellitus, Using Primary Care Electronic Data, in a Multiethnic UK Community Setting', *Diabetologia*, 55.4 (2012), pp. 959–66, doi:10.1007/s00125-011-2432-x

—, and others, 'The Leicester Risk Assessment Score for Detecting Undiagnosed Type 2 Diabetes and Impaired Glucose Regulation for Use in a Multiethnic UK Setting', *Diabetic Medicine*, 27.8 (2010), pp. 887–95, doi:10.1111/j.1464-5491.2010.03037.x

Gray, Laura J., and others, 'Engagement, Retention, and Progression to Type 2 Diabetes: A Retrospective Analysis of the Cluster-Randomised "Let's Prevent Diabetes" Trial', *PLOS Medicine*, 13.7 (2016), doi:10.1371/journal.pmed.1002078

Gregg, Edward W., and Jonathan E. Shaw, 'Global Health Effects of Overweight and Obesity', *New England Journal of Medicine*, published online 12 June 2017, doi:10.1056/NEJMe1706095

Hamman, R. F., and others, 'Effect of Weight Loss With Lifestyle Intervention on Risk of Diabetes', *Diabetes Care*, 29.9 (2006), pp. 2102-07, doi:10.2337/dc06-0560

'Health Effects of Overweight and Obesity in 195 Countries over 25 Years', *New England Journal of Medicine*, published online 12 June 2017, doi:10.1056/NEJMoa1614362

Helen C Eborall, 'Psychological Impact of Screening for Type 2 Diabetes: Controlled Trial and Comparative Study Embedded in the ADDITION (Cambridge) Randomised Controlled Trial', *BMJ : British Medical Journal*, 335.7618 (2007), doi:doi:10.1136/bmj.39303.723449.55

'How to Prevent Type 2 Diabetes in Women with Previous Gestational Diabetes? A Systematic Review of Behavioural Interventions- ClinicalKey', n.d.
<<https://www.clinicalkey.com/#!/content/playContent/1-s2.0-S1751991817300785?returnurl=null&referrer=null>>

Joiner, Kevin L., Soohyun Nam, and Robin Whittemore, 'Lifestyle Interventions Based on the Diabetes Prevention Program Delivered via eHealth: A Systematic Review and Meta-Analysis', *Preventive Medicine*, 100 (2017), pp. 194-207, doi:10.1016/j.ypmed.2017.04.033

Koivusalo, Salla B., and others, 'Gestational Diabetes Mellitus Can Be Prevented by Lifestyle Intervention: The Finnish Gestational Diabetes Prevention Study (RADIEL)', *Diabetes Care*, 39.1 (2016), pp. 24-30, doi:10.2337/dc15-0511

Laaksonen, D. E., and others, 'Physical Activity in the Prevention of Type 2 Diabetes: The Finnish Diabetes Prevention Study', *Diabetes*, 54.1 (2005), pp. 158-65, doi:10.2337/diabetes.54.1.158

LaMonte, M. J., 'Physical Activity and Diabetes Prevention', *Journal of Applied Physiology*, 99.3 (2005), pp. 1205-13, doi:10.1152/jappphysiol.00193.2005

'Less Sitting, More Physical Activity, or Higher Fitness?- ClinicalKey', n.d.
<<https://www-clinicalkey-com.ezproxy4.lib.le.ac.uk/#!/content/playContent/1-s2.0-S0025619615006308?returnurl=null&referrer=null>>

Ley, Sylvia H., and others, 'Prevention and Management of Type 2 Diabetes: Dietary Components and Nutritional Strategies', *The Lancet*, 383.9933 (2014), pp. 1999-2007, doi:10.1016/S0140-6736(14)60613-9

Li, R., and others, 'Cost-Effectiveness of Interventions to Prevent and Control Diabetes Mellitus: A Systematic Review', *Diabetes Care*, 33.8 (2010), pp. 1872-94, doi:10.2337/dc10-0843

Linda Penn, 'Importance of Weight Loss Maintenance and Risk Prediction in the Prevention of Type 2 Diabetes: Analysis of European Diabetes Prevention Study RCT', PLoS ONE, 8.2 (2013), doi:doi: 10.1371/journal.pone.0057143

—, 'Importance of Weight Loss Maintenance and Risk Prediction in the Prevention of Type 2 Diabetes: Analysis of European Diabetes Prevention Study RCT', PLoS ONE, 8.2 (2013), doi:doi: 10.1371/journal.pone.0057143

Lindstrom, J., and others, 'The Finnish Diabetes Prevention Study (DPS): Lifestyle Intervention and 3-Year Results on Diet and Physical Activity', Diabetes Care, 26.12 (2003), pp. 3230–36, doi:10.2337/diacare.26.12.3230

Long, G. H., and others, 'Healthy Behaviours and 10-Year Incidence of Diabetes: A Population Cohort Study', Preventive Medicine, 71 (2015), pp. 121–27, doi:10.1016/j.ypmed.2014.12.013

Luchsinger, Jose A., and others, 'Metformin, Lifestyle Intervention, and Cognition in the Diabetes Prevention Program Outcomes Study', Diabetes Care, 40.7 (2017), pp. 958–65, doi:10.2337/dc16-2376

Malik, V. S., and others, 'Sugar-Sweetened Beverages and Risk of Metabolic Syndrome and Type 2 Diabetes: A Meta-Analysis', Diabetes Care, 33.11 (2010), pp. 2477–83, doi:10.2337/dc10-1079

—, and others, 'Sugar-Sweetened Beverages and Weight Gain in Children and Adults: A Systematic Review and Meta-Analysis', American Journal of Clinical Nutrition, 98.4 (2013), pp. 1084–102, doi:10.3945/ajcn.113.058362

Mann, Jim, and others, 'Dietary Guidelines on Trial: The Charges Are Not Evidence Based', The Lancet, 388.10047 (2016), pp. 851–53, doi:10.1016/S0140-6736(16)31278-8

Matti Uusitupa, 'Ten-Year Mortality and Cardiovascular Morbidity in the Finnish Diabetes Prevention Study—Secondary Analysis of the Randomized Trial', PLoS ONE, 4.5 (2009), doi:doi: 10.1371/journal.pone.0005656

Nathan, D. M., and others, 'Impaired Fasting Glucose and Impaired Glucose Tolerance: Implications for Care', Diabetes Care, 30.3 (2007), pp. 753–59, doi:10.2337/dc07-9920

NICE - Type 2 Diabetes: Prevention in People at High Risk | Guidance and Guidelines, NICE, n.d. <<https://www.nice.org.uk/guidance/ph38>>

'Nutrition Recommendations and Interventions for Diabetes: A Position Statement of the American Diabetes Association', Diabetes Care, 31.Supplement 1 (2008), pp. S61–78, doi:10.2337/dc08-S061

Obesity: Identification, Assessment and Management | Guidance and Guidelines | NICE, n.d. <<https://www.nice.org.uk/guidance/cg189>>

Orozco, Leonardo J., and others, 'Exercise or Exercise and Diet for Preventing Type 2 Diabetes Mellitus', in Cochrane Database of Systematic Reviews (John Wiley & Sons, Ltd, 1996), doi:10.1002/14651858.CD003054.pub3

Pan, A., and others, 'Red Meat Consumption and Risk of Type 2 Diabetes: 3 Cohorts of US Adults and an Updated Meta-Analysis', *American Journal of Clinical Nutrition*, 94.4 (2011), pp. 1088–96, doi:10.3945/ajcn.111.018978

Pan, X. R., and others, 'Effects of Diet and Exercise in Preventing NIDDM in People With Impaired Glucose Tolerance: The Da Qing IGT and Diabetes Study', *Diabetes Care*, 20.4 (1997), pp. 537–44, doi:10.2337/diacare.20.4.537

Public Health England - Diabetes Prevention Programmes: Evidence Review, Public Health England, 2015
<<https://www.gov.uk/government/publications/diabetes-prevention-programmes-evidence-review>>

Rajul Parikh, Annie Mathai, Shefali Parikh, G. Chandra Sekhar, Ravi Thomas, 'Understanding and Using Sensitivity, Specificity and Predictive Values', *Indian Journal of Ophthalmology*, n.d.
<http://go.galegroup.com.ezproxy4.lib.le.ac.uk/ps/retrieve.do?tabID=T002&resultListType=RESULT_LIST&searchResultsType=SingleTab&searchType=AdvancedSearchForm¤tPosition=3&docId=GALE%7CA173264871&docType=Article&sort=Relevance&contentSegment=&prodId=EAIM&contentSet=GALE%7CA173264871&searchId=R1&userGroupName=leicester&inPS=true>

Ramachandran, A., and others, 'The Indian Diabetes Prevention Programme Shows That Lifestyle Modification and Metformin Prevent Type 2 Diabetes in Asian Indian Subjects with Impaired Glucose Tolerance (IDPP-1)', *Diabetologia*, 49.2 (2006), pp. 289–97, doi:10.1007/s00125-005-0097-z

'Reduction in the Incidence of Type 2 Diabetes with Lifestyle Intervention or Metformin', *New England Journal of Medicine*, 346.6 (2002), pp. 393–403, doi:10.1056/NEJMoa012512

—, *New England Journal of Medicine*, 346.6 (2002), pp. 393–403, doi:10.1056/NEJMoa012512

Schulze, Matthias B., 'Sugar-Sweetened Beverages, Weight Gain, and Incidence of Type 2 Diabetes in Young and Middle-Aged Women', *JAMA*, 292.8 (2004), doi:10.1001/jama.292.8.927

Schwingshackl, Lukas, and others, 'Food Groups and Risk of Type 2 Diabetes Mellitus: A Systematic Review and Meta-Analysis of Prospective Studies', *European Journal of Epidemiology*, 32.5 (2017), pp. 363–75, doi:10.1007/s10654-017-0246-y

'Screening for Type 2 Diabetes: Literature Review and Economic Modelling', *Clinical Governance: An International Journal*, 12.4 (2007), doi:10.1108/cgij.2007.24812dae.003

'Sedentary Behaviors and Subsequent Health Outcomes in Adults- ClinicalKey', n.d.
<<https://www-clinicalkey-com.ezproxy4.lib.le.ac.uk/#!/content/journal/1-s2.0-S0749379711003126>>

—, n.d.

<<https://www-clinicalkey-com.ezproxy4.lib.le.ac.uk/#!/content/journal/1-s2.0-S0749379711003126>>

Stefan, Norbert, and others, 'A High-Risk Phenotype Associates with Reduced Improvement in Glycaemia during a Lifestyle Intervention in Prediabetes', *Diabetologia*, 58.12 (2015), pp. 2877–84, doi:10.1007/s00125-015-3760-z

Steven N Blair, 'Physical Inactivity: The Biggest Public Health Problem of the 21st Century', *British Journal of Sports Medicine*, 43 (2009), pp. 1–2
<<http://bjsm.bmj.com/content/43/1/1.full>>

Sweeting, Arianne N., and others, 'Gestational Diabetes Mellitus in Early Pregnancy: Evidence for Poor Pregnancy Outcomes Despite Treatment', *Diabetes Care*, 39.1 (2016), pp. 75–81, doi:10.2337/dc15-0433

'The 10-Year Cost-Effectiveness of Lifestyle Intervention or Metformin for Diabetes Prevention: An Intent-to-Treat Analysis of the DPP/DPPOS', *Diabetes Care*, 35.4 (2012), pp. 723–30, doi:10.2337/dc11-1468

Thomas Yates, 'Walking Away from Type 2 Diabetes: Trial Protocol of a Cluster Randomised Controlled Trial Evaluating a Structured Education Programme in Those at High Risk of Developing Type 2 Diabetes', *BMC Family Practice*, 13 (2012), doi:doi:10.1186/1471-2296-13-46

Tseng, Eva, Hsin-Chieh Yeh, and Nisa M. Maruthur, 'Metformin Use in Prediabetes Among U.S. Adults, 2005–2012', *Diabetes Care*, 40.7 (2017), pp. 887–93, doi:10.2337/dc16-1509
Tuomilehto, Jaakko, and others, 'Prevention of Type 2 Diabetes Mellitus by Changes in Lifestyle among Subjects with Impaired Glucose Tolerance', *New England Journal of Medicine*, 344.18 (2001), pp. 1343–50, doi:10.1056/NEJM200105033441801

Type 2 Diabetes: Prevention in People at High Risk | Guidance and Guidelines | NICE, n.d.
<<https://www.nice.org.uk/guidance/ph38/documents/preventing-type-2-diabetes-risk-identification-and-interventions-for-individuals-at-high-risk-draft-guidance-consultation>>

Vita, Philip, and others, 'Type 2 Diabetes Prevention in the Community: 12-Month Outcomes from the Sydney Diabetes Prevention Program', *Diabetes Research and Clinical Practice*, 112 (2016), pp. 13–19, doi:10.1016/j.diabres.2015.11.010

Webb, D. R., and others, 'Screening for Diabetes Using an Oral Glucose Tolerance Test within a Western Multi-Ethnic Population Identifies Modifiable Cardiovascular Risk: The ADDITION-Leicester Study', *Diabetologia*, 54.9 (2011), pp. 2237–46, doi:10.1007/s00125-011-2189-2

Wu, Y., and others, 'Fruit and Vegetable Consumption and Risk of Type 2 Diabetes Mellitus: A Dose-Response Meta-Analysis of Prospective Cohort Studies', *Nutrition, Metabolism and Cardiovascular Diseases*, 25.2 (2015), pp. 140–47, doi:10.1016/j.numecd.2014.10.004

Yates, Thomas, and others, 'Stand up for Your Health: Is It Time to Rethink the Physical Activity Paradigm?', *Diabetes Research and Clinical Practice*, 93.2 (2011), pp. 292–94, doi:10.1016/j.diabres.2011.03.023