



# Office for Health Improvement and Disparities

Welcome to the latest issue of the weekly Obesity Knowledge Update from the Office for Health Improvement and Disparities (OHID). This bulletin highlights new research relating to obesity and its determinants.

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## UK and Ireland

[Body composition data show that high body mass index centiles over-diagnose obesity in children aged under 6 years.](#) Wright CM, Cole TJ, Fewtrell M, Williams JE, Eaton S, Wells JC. *Am J Clin Nutr.* 2021 Dec 30:nqab421. doi: 10.1093/ajcn/nqab421.

[Unhealthy Lifestyle, Genetics and Risk of Cardiovascular Disease and Mortality in 76,958 Individuals from the UK Biobank Cohort Study.](#) Livingstone KM, Abbott G, Ward J, Bowe SJ. *Nutrients.* 2021 Nov 27;13(12):4283. doi: 10.3390/nu13124283.

[Parental Height and Weight Influence Offspring Adiposity at 2 Years; Findings from the ROLO Kids Birth Cohort Study.](#) Donnelly JM, Walsh JM, Horan MK, Mehegan J, Molloy EJ, Byrne DF, McAuliffe FM. *Am J Perinatol.* 2021 Dec 29. doi: 10.1055/s-0041-1740299.

[Misreporting of Energy Intake From Food Records Completed by Adolescents: Associations With Sex, Body Image, Nutrient, and Food Group Intake.](#) Jones L, Ness A, Emmett P. *Front Nutr.* 2021 Dec 13;8:749007. doi: 10.3389/fnut.2021.749007.

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## International

[Impact of Obesity in Kidney Diseases.](#) Kotsis V, Martinez F, Trakatelli C, Redon J. *Nutrients.* 2021 Dec 15;13(12):4482. doi: 10.3390/nu13124482.

[The association of changes in body mass index and metabolic parameters between adults with overweight or obesity and their children in a family-based randomized trial \(DiOGenes\).](#) Pang MD, Yilmaz H, Astrup A, Blaak EE, van Baak MA. *Pediatr Obes.* 2021 Dec 30:e12884. doi: 10.1111/ijpo.12884.

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Nutritionists as Policy Advocates: The Case of Obesity Prevention in Quebec, Canada. Wassef J, Champagne F, Farand L. *Public Health Nutr*. 2021 Dec 27:1-34. doi: 10.1017/S1368980021004997.

Obesity increases heart failure incidence and mortality: observational and Mendelian randomisation studies totalling over 1 million individuals. Benn M, Marott SCW, Tybjaerg-Hansen A, Nordestgaard BG. *Cardiovasc Res*. 2021 Dec 25:cvab368. doi: 10.1093/cvr/cvab368.

Development and validation of a prediction model for infant fat mass. Plows JF, Berger PK, Jones RB, Campbell E, Leibovitch E, Alderete TL, Horowitz M, Pi-Sunyer X, Gallagher D, Goran MI. *J Pediatr*. 2021 Dec 28:S0022-3476(21)01265-8. doi: 10.1016/j.jpeds.2021.12.058.

The Role of Diet, Alcohol, BMI, and Physical Activity in Cancer Mortality: Summary Findings of the EPIC Study. Molina-Montes E, Ubago-Guisado E, Petrova D, Amiano P, Chirlaque MD, Agudo A, Sánchez MJ. *Nutrients*. 2021 Nov 28;13(12):4293. doi: 10.3390/nu13124293.

Factors associated with food choice among long-term weight loss maintainers. Young J, Phelan S, Alarcon N, Roake J, Rethorst CD, Foster GD. *J Hum Nutr Diet*. 2021 Dec 30. doi: 10.1111/jhn.12977.

The Evaluation of a Family-Engagement Approach to Increase Physical Activity, Healthy Nutrition, and Well-Being in Children and Their Parents. Crone MR, Slagboom MN, Overmars A, Starcken L, van de Sande MCE, Wesdorp N, Reis R. *Front Public Health*. 2021 Dec 9;9:747725. doi: 10.3389/fpubh.2021.747725.

A Worksite Weight Loss Program: An Innovative Way to Improve Obesity. Mack A. *J Dr Nurs Pract*. 2021 Nov 1;14(3):193-203. doi: 10.1891/JDNP-D-20-00059.

Longitudinal study of body mass index and percentage of overweight in Japanese children grouped by maturity. Masubuchi R, Noda M, Yoshida S, Kawakami K. *Endocr J*. 2021 Dec 25. doi: 10.1507/endocrj.EJ21-0434.

Behavioral and Cognitive Outcomes of an Online Weight Loss Program for Men With Low Mood: A Randomized Controlled Trial. Drew RJ, Morgan PJ, Collins CE, Callister R, Kay-Lambkin F, Kelly BJ, Young MD. *Ann Behav Med*. 2021 Dec 29:kaab109. doi: 10.1093/abm/kaab109.

Contextual influences on implementation of online behavioral obesity treatment in primary care: formative evaluation guided by the consolidated framework for implementation research. Espel-Huynh HM, Goldstein CM, Stephens ML, Finnegan OL, Elwy AR, Wing RR, Thomas JG. *Transl Behav Med*. 2021 Dec 31:ibab160. doi: 10.1093/tbm/ibab160.

Longitudinal geo-referenced field evidence for the heightened BMI responsiveness of obese women to price discounts on carbonated soft drinks. Wu YH, Moore S, Ma Y, Dube L. *PLoS One*. 2021 Dec 29;16(12):e0261749. doi: 10.1371/journal.pone.0261749.

Translation and validation of the Greek version of the Modified Weight Bias Internalization Scale in an adult population. Argyrides M, Charalambous Z, Anastasiades E, Michael K. Clin Obes. 2021 Dec 29:e12503. doi: 10.1111/cob.12503.

The opposing trends of body mass index and blood pressure during 1977-2020; nationwide registry of 2.8 million male and female adolescents. Fishman B, Zloof Y, Orr O, Tsur AM, Furer A, Omer Gilon M, Chodick G, Leiba A, Derazne E, Tzur D, Afek A, Grossman E, Twig G. Cardiovasc Diabetol. 2021 Dec 28;20(1):242. doi: 10.1186/s12933-021-01433-0.

Associations of Caregiver Cooking Skills with Child Dietary Behaviors and Weight Status: Results from the A-CHILD Study. Tani Y, Isumi A, Doi S, Fujiwara T. Nutrients. 2021 Dec 18;13(12):4549. doi: 10.3390/nu13124549.

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### ***International: Research related to COVID-19***

Predictors of Weight Loss and Weight Gain in Weight Management Patients during the COVID-19 Pandemic. Kuk JL, Christensen RAG, Kamran Samani E, Wharton S. J Obes. 2021 Dec 17;2021:4881430. doi: 10.1155/2021/4881430.

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## **Systematic reviews**

No papers identified in this week's search.

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