



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

[Educators' experiences and perspectives of child weight discussions with parents in primary school settings](#). Coupe N, Peters S, Ayres M, Clabon K, Reilly A, Chisholm A. BMC Public Health. 2022 Apr 22;22(1):808. doi: 10.1186/s12889-022-13210-z.

[Recommendations from a Working Group on Obesity Care Competencies for Healthcare Education in the UK: A Report by the Steering Committee](#). Capehorn MS, Hinchliffe N, Cook D, Hill A, O'Kane M, Tahrani AA, Vincent A, Williams S, Feenie J. Adv Ther. 2022 Apr 22:1-12. doi: 10.1007/s12325-022-02108-2.

[Using health economic modelling to inform the design and development of an intervention: estimating the justifiable cost of weight loss maintenance in the UK](#). Bates SE, Thomas C, Islam N, Ahern AL, Breeze P, Griffin S, Brennan A. BMC Public Health. 2022 Feb 12;22(1):290. doi: 10.1186/s12889-022-12737-5.

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International

[Dietary Intake of Individual \(Intrinsic and Added\) Sugars and Food Sources from Spanish Children Aged One to <10 Years-Results from the EsNuPI Study](#). Redruello-Requejo M, Samaniego-Vaesken ML, Partearroyo T, Rodríguez-Alonso P, Soto-Méndez MJ, Hernández-Ruiz Á, Villoslada FL, Leis R, Martínez de Victoria E, Moreno JM, Ortega RM, Ruiz-López MD, Gil Á, Varela-Moreiras G. Nutrients. 2022 Apr 16;14(8):1667. doi: 10.3390/nu14081667.

[Beyond the Calorie Paradigm: Taking into Account in Practice the Balance of Fat and Carbohydrate Oxidation during Exercise?](#) Brun JF, Myzia J, Varlet-Marie E, Raynaud de Mauverger E, Mercier J. Nutrients. 2022 Apr 12;14(8):1605. doi: 10.3390/nu14081605.

[Are People with Obesity Attracted to Multidisciplinary Telemedicine Approach for Weight Management?](#) Gilardini L, Canello R, Cavaggioni L, Bruno A, Novelli M, Mambrini SP, Castelnuovo G, Bertoli S. Nutrients. 2022 Apr 11;14(8):1579. doi: 10.3390/nu14081579.

Effectiveness of an Intervention Programme on Adherence to the Mediterranean Diet in a Preschool Child: A Randomised Controlled Trial. Martíncrespo-Blanco MC, Varillas-Delgado D, Blanco-Abril S, Cid-Exposito MG, Robledo-Martín J. *Nutrients*. 2022 Apr 7;14(8):1536. doi: 10.3390/nu14081536.

Involvement of Non-Parental Caregivers in Obesity Prevention Interventions among 0-3-Year-Old Children: A Scoping Review. Ramirez A, Tovar A, Garcia G, Nieri T, Hernandez S, Sastre M, Cheney AM. *Int J Environ Res Public Health*. 2022 Apr 18;19(8):4910. doi: 10.3390/ijerph19084910.

Comparison of Two Diet and Exercise Approaches on Weight Loss and Health Outcomes in Obese Women. Lockard B, Mardock M, Oliver JM, Byrd M, Simbo S, Jagim AR, Kresta J, Baetge CC, Jung YP, Koozehchian MS, Khanna D, Rasmussen C, Kreider RB. *Int J Environ Res Public Health*. 2022 Apr 17;19(8):4877. doi: 10.3390/ijerph19084877.

Obesity in Polish Children and Parents' Perception of Their Children's Weight Status: The Results of the SOPKARD-Junior Study. Suligowska K, Buczny J. *Int J Environ Res Public Health*. 2022 Apr 7;19(8):4433. doi: 10.3390/ijerph19084433.

The Association between Physical Activity and Smartphone Addiction in Korean Adolescents: The 16th Korea Youth Risk Behavior Web-Based Survey, 2020. Kim J, Lee K. *Healthcare (Basel)*. 2022 Apr 9;10(4):702. doi: 10.3390/healthcare10040702.

Association of Physical Fitness, Screen Time, and Sleep Hygiene According to the Waist-to-Height Ratio in Children and Adolescents from the Extreme South of Chile. Albornoz-Guerrero J, Carrasco-Marín F, Zapata-Lamana R, Cigarroa I, Reyes-Molina D, Barceló O, García-Pérez-de-Sevilla G, García-Merino S. *Healthcare (Basel)*. 2022 Mar 27;10(4):627. doi: 10.3390/healthcare10040627.

Influence of an Educational Intervention on Eating Habits in School-Aged Children. Menor-Rodríguez MJ, Cortés-Martín J, Rodríguez-Blaque R, Tovar-Gálvez MI, Aguilar-Cordero MJ, Sánchez-García JC. *Children (Basel)*. 2022 Apr 17;9(4):574. doi: 10.3390/children9040574.

Forecasting Obesity and Type 2 Diabetes Incidence and Burden: The ViLA-Obesity Simulation Model. Nianogo RA, Arah OA. *Front Public Health*. 2022 Apr 5;10:818816. doi: 10.3389/fpubh.2022.818816.

Influence of Weight Loss on Cognitive Functions: A Pilot Study of a Multidisciplinary Intervention Program for Obesity Treatment. Chávez-Manzanera E, Ramírez-Flores M, Duran M, Torres M, Ramírez M, Kaufer-Horwitz M, Stephano S, Quiroz-Casian L, Cantú-Brito C, Chiquete E. *Brain Sci*. 2022 Apr 17;12(4):509. doi: 10.3390/brainsci12040509.

Food Structure and Nutrition Interface: New Perspectives in Designing Healthy and Sustainable Foods. Acevedo-Fani A, Singh H. *J Agric Food Chem*. 2022 Apr 21. doi: 10.1021/acs.jafc.2c01026

Food-Approach Eating Behaviors and Brain Morphology: The Generation R Study. Dmitrichenko O, Mou Y, Voortman T, White T, Jansen PW. *Front Nutr*. 2022 Apr 4;9:846148. doi: 10.3389/fnut.2022.846148.

Physical activity in early childhood: a five-year longitudinal analysis of patterns and correlates. Bergqvist-Norén L, Hagman E, Xiu L, Marcus C, Hagströmer M. *Int J Behav Nutr Phys Act*. 2022 Apr 20;19(1):47. doi: 10.1186/s12966-022-01289-x.

Parents as Agents of Change in Managing Pediatric Obesity: A Randomized Controlled Trial Comparing Cognitive Behavioral Therapy versus Psychoeducation Interventions. Spence ND, Newton AS, Keaschuk RA, Ambler KA, Holt NL, Jetha MM, Mushquash AR, Rosychuk RJ, Sharma AM, Spence JC, Ball GDC. *Child Obes.* 2022 Apr 18. doi: 10.1089/chi.2021.0194.

Changes in Body Composition in Older Adults after a Technology-Based Weight Loss Intervention. Batsis JA, Shirazi D, Petersen CL, Roderka MN, Lynch D, Jimenez D, Cook SB. *J Frailty Aging.* 2022;11(2):151-155. doi: 10.14283/jfa.2022.15.

Cross-sectional study of BMI, weight concern, body size perception, dieting and mental distress in adolescents: The HUNT Study. Saeedzadeh Sardahaee F, Kvaløy K. *BMJ Open.* 2022 Apr 19;12(4):e045962. doi: 10.1136/bmjopen-2020-045962.

Caregivers' provision of sweetened fruit-flavoured drinks to young children: importance of perceived product attributes and differences by socio-demographic and behavioural characteristics. Choi YY, Jensen ML, Fleming-Milici F, Harris JL. *Public Health Nutr.* 2022 Apr 20:1-9. doi: 10.1017/S1368980022000751.

Race, Ethnicity, and Age Differences in Social Relationships and Obesity: Findings From the National Survey of American Life. Lincoln KD, Nguyen AW. *J Aging Health.* 2022 Apr 19:8982643221085900. doi: 10.1177/08982643221085900.

Parental obesity and the transition from teenagers of normal-weight to young adults with obesity in Mexico. Brambila-Paz C, Hernández-Ángeles DF. *Salud Publica Mex.* 2022 Apr 8;64(2):148-156. doi: 10.21149/12710.

Weight Loss Trajectories and Related Factors in a 16-Week Mobile Obesity Intervention Program: Retrospective Observational Study. Kim HH, Kim Y, Michaelides A, Park YR. *J Med Internet Res.* 2022 Apr 15;24(4):e29380. doi: 10.2196/29380.

'It's not just to treat everybody the same': A social justice framework for caring for larger patients in healthcare practice. Kanagasingam D, Norman M, Hurd L. *Sociol Health Illn.* 2022 Apr 17. doi: 10.1111/1467-9566.13470.

Effects of a 3-Week Inpatient Multidisciplinary Body Weight Reduction Program on Body Composition and Physical Capabilities in Adolescents and Adults With Obesity. Lazzer S, D'Alleva M, Vaccari F, Tringali G, De Micheli R, Sartorio A. *Front Nutr.* 2022 Mar 31;9:840018. doi: 10.3389/fnut.2022.840018.

Examining Shared Pathways for Eating Disorders and Obesity in a Community Sample of Adolescents: The REAL Study. Obeid N, Flament MF, Buchholz A, Henderson KA, Schubert N, Tasca G, Thai H, Goldfield G. *Front Psychol.* 2022 Mar 31;13:805596. doi: 10.3389/fpsyg.2022.805596.

Parenting Stress, Child Weight-Related Behaviors, and Child Weight Status. White MJ, Schechter JC, Neely B, Reyes C, Maguire RL, Perrin EM, Ksinan AJ, Kollins SH, Fuemmeler BF. *Child Obes.* 2022 Apr;18(3):150-159. doi: 10.1089/chi.2021.0098.

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International: Research related to COVID-19

Analysis of Self-Regulation of Eating Behaviors within Polish Adolescents' COVID-19 Experience (PLACE-19) Study. Guzek D, Skolmowska D, Głąbska D. *Nutrients.* 2022 Apr 18;14(8):1679. doi: 10.3390/nu14081679.

Parental Perspectives Regarding the Impact of the COVID-19 Pandemic on Their Children. Tanti S, Troost JP, Samuels E, Mckay A, Kowalski-Dobson T, Vereen D, Gorka N, Nambiar V, Key K, Campbell B, Greene-Moton E, Evans L, Bailey S, Juliette K, Sparks A, DeLoney EH, Piechowski P, Woolford SJ. *Child Obes.* 2022 Apr 21. doi: 10.1089/chi.2021.0216.

Changes in Motor Performance and BMI of Primary School Children over Time-Influence of the COVID-19 Confinement and Social Burden. Wessely S, Ferrari N, Friesen D, Grauduszus M, Klaudius M, Joisten C. *Int J Environ Res Public Health.* 2022 Apr 10;19(8):4565. doi: 10.3390/ijerph19084565.

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Systematic reviews

Calorie reformulation: a systematic review and meta-analysis examining the effect of manipulating food energy density on daily energy intake. Robinson E, Khuttan M, McFarland-Lesser I, Patel Z, Jones A. *Int J Behav Nutr Phys Act.* 2022 Apr 22;19(1):48. doi: 10.1186/s12966-022-01287-z.

Systematic review of electronically delivered behavioral obesity prevention interventions targeting men. Knowlden AP, Wilkerson AH, Dunlap KB, Stellefson M, Elijah OA. *Obes Rev.* 2022 Apr 18:e13456. doi: 10.1111/obr.13456.

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