



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

No papers identified in this week's search.

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International

[Breastfeeding Associations with Childhood Obesity and Body Composition: Findings from a Racially Diverse Maternal-Child Cohort.](#) Hildebrand JS, Ferguson PL, Sciscione AC, Grobman WA, Newman RB, Tita AT, Wapner RJ, Nageotte MP, Palomares K, Skupski DW, Cooper DM, Zhang C, Neelon B, Vena JE, Hunt KJ. *Child Obes.* 2021 Oct 20. doi: 10.1089/chi.2021.0138.

[The Great Recession weighted on Portuguese children: A structural equation modeling approach considering eating patterns.](#) Rodrigues D, Carmo A, Gama A, Machado-Rodrigues AM, Nogueira H, Rosado-Marques V, Silva MR, Padez C. *Am J Hum Biol.* 2021 Oct 20:e23692. doi: 10.1002/ajhb.23692.

[Reach Outcomes and Costs of Different Physician Referral Strategies for a Weight Management Program Among Rural Primary Care Patients: Type 3 Hybrid Effectiveness-Implementation Trial.](#) Porter G, Michaud TL, Schwab RJ, Hill JL, Estabrooks PA. *JMIR Form Res.* 2021 Oct 20;5(10):e28622. doi: 10.2196/28622.

[Front-of-pack \(FOP\) labelling systems to improve the quality of nutrition information to prevent obesity: NutriInform Battery vs Nutri-Score.](#) Carruba MO, Caretto A, De Lorenzo A, Fatati G, Ghiselli A, Lucchin L, Maffei C, Malavazos A, Malfi G, Riva E, Ruocco C, Santini F, Silano M, Valerio A, Vania A, Nisoli E. *Eat Weight Disord.* 2021 Oct 19. doi: 10.1007/s40519-021-01316-z.

[Neighborhood socioeconomic disadvantage and childhood body mass index trajectories from birth to 7 years of age.](#) Rautava S, Turta O, Vahtera J, Pentti J, Kivimäki M, Pearce J, Kawachi I, Rautava P, Lagström H. *Epidemiology.* 2021 Oct 18. doi: 10.1097/EDE.0000000000001420.

Combined high-intensity interval training as an obesity-management strategy for adolescents. Videira-Silva A, Hetherington-Rauth M, Sardinha LB, Fonseca H. *Eur J Sport Sci.* 2021 Oct 18;1-28. doi: 10.1080/17461391.2021.1995508.

Distinguishing early patterns of physical activity goal attainment and weight loss in online behavioral obesity treatment using latent class analysis. Stansbury ML, Harvey JR, Krukowski RA, Pellegrini CA, Wang X, West DS. *Transl Behav Med.* 2021 Oct 18;ibab130. doi: 10.1093/tbm/ibab130.

What Are the Challenges of School Nurses in South Korea in Managing Obese Children From Low-Income Households? Cho J, Park J, Park C, Lee J, Oh J, Hwang G. *J Sch Nurs.* 2021 Oct 18;10598405211045888. doi: 10.1177/10598405211045888.

Association of adverse childhood experiences (ACEs) with obesity and underweight in children. Hanć T, Bryl E, Szcześniewska P, Dutkiewicz A, Borkowska AR, Paszyńska E, Słopeń A, Dmitrzak-Węglarz M. *Eat Weight Disord.* 2021 Oct 18. doi: 10.1007/s40519-021-01314-1.

Association of a Sweetened Beverage Tax With Soda Consumption in High School Students. Edmondson EK, Roberto CA, Gregory EF, Mitra N, Virudachalam S. *JAMA Pediatr.* 2021 Oct 18. doi: 10.1001/jamapediatrics.2021.3991.

Contribution of home availability, parental child-feeding practices and health beliefs on children's sweets and salty snacks consumption in Europe: Feel4Diabetes-Study. Papamichael MM, Karaglani E, Karatzi K, Iotova V, Kivelä J, Cardon G, De Vylder F, Bazdarska Y, Dimova R, González-Gil EM, Flores-Barrantes P, Liatis S, Moreno L, Makrilakis K, Manios Y; Feel4Diabetes-Study Group. *Br J Nutr.* 2021 Oct 18;1-27. doi: 10.1017/S0007114521004190.

Quantifying the overall impact of an early childhood multi-behavioural lifestyle intervention. Zheng M, Hesketh KD, McNaughton SA, Salmon J, Crawford D, Cameron AJ, Lioret S, Campbell KJ. *Pediatr Obes.* 2021 Oct 17:e12861. doi: 10.1111/ijpo.12861.

Self-reported body silhouettes: a diagnostic instrument for anthropometric parameters. Blachman-Braun R, Talavera JO, Pérez-Rodríguez M, Roy-García I, Rivas-Ruiz R, Huitrón-Bravo G, Salmerón-Castro J. *Public Health.* 2021 Oct 15;200:39-46. doi: 10.1016/j.puhe.2021.09.001.

Healthiness matters: Approach motivation for healthy food in overweight and obese individuals. Moore S, Rudaizky D, MacLeod C, Dondzilo L. *Appetite.* 2021 Oct 15;105760. doi: 10.1016/j.appet.2021.105760.

Ethnic Differences in Family Childcare Providers' Nutrition- and Activity-Related Attitudes and Barriers. Jiang Q, Tovar A, Risica PM, Cooksey Stowers K, Schwartz M, Lombardi C, Kang A, Mena NZ, Gans KM. *J Obes.* 2021 Oct 7;2021:6697006. doi: 10.1155/2021/6697006.

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The Canadian 24-Hour Movement Guidelines and Psychological Distress among Adolescents: Les Directives canadiennes en matière de mouvement sur 24 heures et la détresse psychologique chez les adolescents. Sampasa-Kanyinga H, Chaput JP, Goldfield GS, Janssen I, Wang J, Hamilton HA, Ferro MA, Colman I. *Can J Psychiatry*. 2021 Jul;66(7):624-633. doi: 10.1177/0706743720970863.

The roles of experienced and internalized weight stigma in healthcare experiences: Perspectives of adults engaged in weight management across six countries. Puhl RM, Lessard LM, Himmelstein MS, Foster GD. *PLoS One*. 2021 Jun 1;16(6):e0251566. doi: 10.1371/journal.pone.0251566.

Healthcare Professional Training Regarding Gestational Weight Gain: Recommendations and Future Directions. Olander EK, Hill B, Skouteris H. *Curr Obes Rep*. 2021 Jun;10(2):116-124. doi: 10.1007/s13679-021-00429-x.

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International: Research related to COVID-19

Impact of the COVID-19 pandemic on objectively measured physical activity and sedentary behavior among overweight young adults: A year-long longitudinal analysis. Lawhun Costello V, Chevance G, Wing D, Mansour-Assi SJ, Sharp S, Golaszewski NM, Young EA, Higgins M, Ibarra A, Larsen B, Godino JG. *JMIR Public Health Surveill*. 2021 Oct 14. doi: 10.2196/28317.

The lockdown effects on a pediatric obese population in the COVID-19 era. Valenzise M, D'Amico F, Cucinotta U, Lugarà C, Zirilli G, Zema A, Wasniewska M, Pajno GB. *Ital J Pediatr*. 2021 Oct 18;47(1):209. doi: 10.1186/s13052-021-01142-0.

Management of Obesity Using Telemedicine During the COVID-19 Pandemic. Wang-Selfridge AA, Dennis JF. *Mo Med*. 2021 Sep-Oct;118(5):442-445.

Impact of the COVID-19 pandemic on initial weight loss in a digital weight management program: A natural experiment. Bullard T, Medcalf A, Rethorst C, Foster GD. *Obesity (Silver Spring)*. 2021 Sep;29(9):1434-1438. doi: 10.1002/oby.23233.

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Systematic reviews

Identifying effective characteristics of behavioral weight management interventions for people with serious mental illness: A systematic review with a qualitative comparative analysis. Lee C, Piernas C, Stewart C, Michalopoulou M, Hajzadeh A, Edwards R, Aveyard P, Waite F. *Obes Rev*. 2021 Oct 20:e13355. doi: 10.1111/obr.13355.

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Technology-based nutrition interventions using the Mediterranean diet: a systematic review. Benajiba N, Dodge E, Khaled MB, Chavarria EA, Sammartino CJ, Aboul-Enein BH. *Nutr Rev*. 2021 Oct 19:nuab076. doi: 10.1093/nutrit/nuab076.

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Effects of Active Video Games on Health-Related Physical Fitness and Motor Competence in Children and Adolescents With Overweight or Obesity: Systematic Review and Meta-Analysis. Comeras-Chueca C, Marin-Puyalto J, Matute-Llorente A, Vicente-Rodriguez G, Casajus JA, Gonzalez-Aguero A. *JMIR Serious Games.* 2021 Oct 18;9(4):e29981. doi: 10.2196/29981.

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