



# Public Health England

Welcome to the latest issue of the weekly Obesity Knowledge Update from Public Health England. This bulletin highlights new research relating to obesity and its determinants.

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## UK and Ireland

[Ethnic disparities in hospitalisation for COVID-19 in England: The role of socioeconomic factors, mental health, and inflammatory and pro-inflammatory factors in a community-based cohort study.](#) Lassale C, Gaye B, Hamer M, Gale CR, Batty GD. *Brain Behav Immun.* 2020 Jun 1:S0889-1591(20)31101-6. doi: 10.1016/j.bbi.2020.05.074.

[Obesity: novel and unusual predisposing factors.](#) Hanson P, Weickert MO, Barber TM. *Ther Adv Endocrinol Metab.* 2020 May 19;11:2042018820922018. doi: 10.1177/2042018820922018.

[Promoting and supporting healthy eating among nurses.](#) Davies R, Davies R. *Nurs Stand.* 2020 Jun 5. doi: 10.7748/ns.2020.e11535.

[Obesity and risk of COVID-19: analysis of UK biobank.](#) Yates T, Razieh C, Zaccardi F, Davies MJ, Khunti K. *Prim Care Diabetes.* 2020 May 28:S1751-9918(20)30196-0. doi: 10.1016/j.pcd.2020.05.011.

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## International

[Does exercising before or after a meal affect energy balance in adolescents with obesity?](#) Alicia F, Kristine B, Maud M, Mélina B, Graham F, Valérie J, Julie M, Marie-Eve M, Bruno P, Martine D, Yves B, David T. *Nutr Metab Cardiovasc Dis.* 2020 Apr 23:S0939-4753(20)30136-8. doi: 10.1016/j.numecd.2020.04.015.

[Understanding heterogeneity in price changes and firm responses to a national unhealthy food tax in Mexico.](#) Salgado JC, Ng SW. *Food Policy.* 2019 Dec;89:101783. doi: 10.1016/j.foodpol.2019.101783.

[Obesity and bankruptcy: Evidence from US counties.](#) Kuroki M. *Econ Hum Biol.* 2020 May 8;38:100873. doi: 10.1016/j.ehb.2020.100873.

**Body image and obesity in children from public primary schools in Acapulco, Mexico: A cross-sectional study.** Casarrubias-Jaimez AI, Legorreta-Soberanis J, Sánchez-Gervacio BM, Serrano-de Los Santos FR, Paredes-Solís S, Flores-Moreno M, Andersson N, Cockcroft A. *Bol Med Hosp Infant Mex.* 2020;77(3):119-126. doi: 10.24875/BMHIM.20000027.

**A Habit-Based Randomised Controlled Trial to Reduce Sugar-Sweetened Beverage Consumption: the Impact of the Substituted Beverage on Behaviour and Habit Strength.** Judah G, Mullan B, Yee M, Johansson L, Allom V, Liddelow C. *Int J Behav Med.* 2020 Jun 5. doi: 10.1007/s12529-020-09906-4.

**COVID-19: a lever for the recognition of obesity as a disease? The French experience.** Clément K, Coupaye M, Laville M, Oppert JM, Ziegler O. *Obesity (Silver Spring).* 2020 Jun 4. doi: 10.1002/oby.22924.

**Negative childhood experiences and disordered eating in adolescents in a weight management program: The role of depressive symptoms.** Darling KE, Ranzenhofer LM, Hadley W, Villalta D, Kasper V, Jelalian E. *Eat Behav.* 2020 May 22;38:101402. doi: 10.1016/j.eatbeh.2020.101402.

**Epidemiology, Clinical Features, and Disease Severity in Patients With Coronavirus Disease 2019 (COVID-19) in a Children's Hospital in New York City, New York.** Zachariah P, Johnson CL, Halabi KC, Ahn D, Sen AI, Fischer A, Banker SL, Giordano M, Manice CS, Diamond R, Sewell TB, Schweickert AJ, Babineau JR, Carter RC, Fenster DB, Orange JS, McCann TA, Kernie SG, Saiman L, Columbia Pediatric COVID-19 Management Group. *JAMA Pediatr.* 2020 Jun 3:e202430. doi: 10.1001/jamapediatrics.2020.2430.

**The NEW Keiki Program Reduces BMI z-scores Among Overweight and Obese Children and BMI Among Their Adult Caregivers in Hawai'i.** Shimokawa MAL, Siu AM, Choi SY, Davis J. *Hawaii J Health Soc Welf.* 2020 May 1;79(5 Suppl 1):24-31.

**Improving the Reporting of Young Children's Food Intake: Insights from a Cognitive Interviewing Study with Mothers of 3-7-Year Old Children.** Zarnowiecki D, Byrne RA, Bodner GE, Bell LK, Golley RK. *Nutrients.* 2020 Jun 2;12(6):E1645. doi: 10.3390/nu12061645.

**Special Report: The Biology of Inequalities in Health: The Lifepath Consortium.** Vineis P, Avendano-Pabon M, Barros H, Bartley M, Carmeli C, Carra L, Chadeau-Hyam M, Costa G, Delpierre C, D'Errico A, Fraga S, Giles G, Goldberg M, Kelly-Irving M, Kivimaki M, Lepage B, Lang T, Layte R, MacGuire F, Mackenbach JP, Marmot M, McCrory C, Milne RL, Muennig P, Nusselder W, Petrovic D, Polidoro S, Ricceri F, Robinson O, Stringhini S, Zins M. *Front Public Health.* 2020 May 12;8:118. doi: 10.3389/fpubh.2020.00118.

**Effects of Job Content and Physical Activity on Body Mass Index among Obese Managers of the Mexican Manufacturing Industry.** Armenta-Hernandez OD, Maldonado-Macias AA, Ortiz Solís M, Serrano-Rosa MÁ, Baez-López YA, Hernández-Arellano JL. *Int J Environ Res Public Health.* 2020 Jun 3;17(11):E3969. doi: 10.3390/ijerph17113969.

**Active School Transport among Children from Canada, Colombia, Finland, South Africa, and the United States: A Tale of Two Journeys.** González SA, Sarmiento OL, Lemoine PD, Larouche R, Meisel JD, Tremblay MS, Naranjo M, Broyles ST, Fogelholm M, Holguin GA, Lambert EV, Katzmarzyk PT. *Int J Environ Res Public Health.* 2020 May 28;17(11):E3847. doi: 10.3390/ijerph17113847.

**Time-varying Effects of Screen Media Exposure in the Relationship Between Socioeconomic Background and Childhood Obesity.** Oude Groeniger J, de Koster W, van der Waal J. *Epidemiology.* 2020 Jul;31(4):578-586. doi: 10.1097/EDE.0000000000001210.

**Dietary Choices and Habits during COVID-19 Lockdown: Experience from Poland.** Sidor A, Rzymiski P. *Nutrients*. 2020 Jun 3;12(6):E1657. doi: 10.3390/nu12061657.

**Childhood Obesity: An Evidence-Based Approach to Family-Centered Advice and Support.** Kaufman TK, Lynch BA, Wilkinson JM. *J Prim Care Community Health*. 2020 Jan-Dec;11:2150132720926279. doi: 10.1177/2150132720926279.

**Examination of parental knowledge of child weight status and associated potential health risks.** Woods TM, Nies MA. *J Educ Health Promot*. 2020 Mar 31;9:76. doi: 10.4103/jehp.jehp\_43\_19.

**Weight-Related Information Avoidance Prospectively Predicts Poorer Self-Monitoring and Engagement in a Behavioral Weight Loss Intervention.** Schumacher LM, Martinelli MK, Convertino AD, Forman EM, Butryn ML. *Ann Behav Med*. 2020 Jun 3:kaaa034. doi: 10.1093/abm/kaaa034.

**Associations Between Food Insecurity and Parental Feeding Behaviors of Toddlers.** Orr CJ, Ravanbakht S, Flower KB, Yin HS, Rothman RL, Sanders LM, Delamater A, Perrin EM. *Acad Pediatr*. 2020 May 31:S1876-2859(20)30189-3. doi: 10.1016/j.acap.2020.05.020.

**Geographic and Longitudinal Trends in Media Framing of Obesity in the United States.** Chiang J, Arons A, Pomeranz JL, Siddiqi A, Hamad R. *Obesity (Silver Spring)*. 2020 May 31. doi: 10.1002/oby.22845.

**Health and Economic Impacts of the National Menu Calorie Labeling Law in the United States.** Liu J, Mozaffarian D, Sy S, Lee Y, Wilde PE, Abrahams-Gessel S, Gaziano T, Michal R, FOOD-PRICE (Policy Review and Intervention Cost-Effectiveness) Project. *Circ Cardiovasc Qual Outcomes*. 2020 Jun 4:CIRCOUTCOMES119006313. doi: 10.1161/CIRCOUTCOMES.119.006313.

**Proportion of Japanese primary school children meeting recommendations for 24-h movement guidelines and associations with weight status.** Tanaka C, Tremblay MS, Okuda M, Inoue S, Tanaka S. *Obes Res Clin Pract*. 2020 May 30:S1871-403X(19)30609-X. doi: 10.1016/j.orcp.2020.05.003.

**Identification of temporal condition patterns associated with pediatric obesity incidence using sequence mining and big data.** Campbell EA, Qian T, Miller JM, Bass EJ, Masino AJ. *Int J Obes (Lond)*. 2020 Jun 3. doi: 10.1038/s41366-020-0614-7.

**The Weight Optimization Revamping Lifestyle using the Dietary Guidelines (WORLD) Study: Sustained Weight Loss Over 12 Months.** Psota TL, Tindall AM, Lohse B, Miller PE, Petersen KS, Kris-Etherton PM. *Obesity (Silver Spring)*. 2020 May 31. doi: 10.1002/oby.22824.

**Public Health Representation on Active Transportation Bodies Across US Municipalities.** Omura JD, Kochtitzky CS, Galuska DA, Fulton JE, Shah S, Carlson SA. *J Public Health Manag Pract*. 2020 Jun 1. doi: 10.1097/PHH.0000000000001170.

**Special report: Prevalence of selected underlying health conditions among active component Army service members with coronavirus disease 2019, 11 February-6 April 2020.** Kebisek J, Forrest LJ, Maule AL, Steelman RA, Ambrose JF. *MSMR*. 2020 May;27(5):50-54.

**Predictors of Engagement in a Pediatric Weight Management Clinic after Referral.** Brown CL, Dovico J, Garner-Edwards D, Moses M, Skelton JA. *Child Obes*. 2020 Jun;16(4):238-243. doi: 10.1089/chi.2020.0032.

The causal pathway effects of a physical activity intervention on adiposity in children: The KISS Study cluster randomised clinical trial. Lima RA, Andersen LB, Soares FC, Kriemler S. Scand J Med Sci Sports. 2020 Jun 5. doi: 10.1111/sms.13741.

Reducing Sitting Time in Obese Older Adults: The I-STAND Randomized Controlled Trial. Rosenberg DE, Anderson ML, Renz A, Matson TE, Lee AK, Greenwood-Hickman MA, Arterburn DE, Gardiner PA, Kerr J, McClure JB. J Aging Phys Act. 2020 Jun 4:1-11. doi: 10.1123/japa.2019-0470.

Association between 24-hour movement guidelines and physical fitness in children. Tanaka C, Tremblay MS, Okuda M, Tanaka S. Pediatr Int. 2020 May 30. doi: 10.1111/ped.14322.

Integrating nutrition and physical activity promotion: A scoping review. Casu L, Gillespie S, Nisbett N. PLoS One. 2020 Jun 5;15(6):e0233908. doi: 10.1371/journal.pone.0233908.

The risk of developing disordered eating following a family-based program among children with overweight and obesity and their siblings: Retrospective and prospective analyses. Shaharabany B, Tepper S, Berman S, Golan M. Obes Res Clin Pract. 2020 May 28:S1871-403X(19)30651-9. doi: 10.1016/j.orcp.2020.04.007.

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## **Systematic reviews**

Adverse Childhood Experiences and Adult Obesity: A Systematic Review of Plausible Mechanisms and Meta-Analysis of Cross-Sectional Studies. Wiss DA, Brewerton TD. Physiol Behav. 2020 May 29:112964. doi: 10.1016/j.physbeh.2020.112964.

Nordic Walking for Overweight and Obese People: A Systematic Review and Meta-Analysis. Sanchez-Lastra MA, Miller KJ, Martínez-Lemos RI, Giráldez A, Ayán C. J Phys Act Health. 2020 Jun 5:1-11. doi: 10.1123/jpah.2019-0357.

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