



# 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

[Experiences of the Pharmacy-Led Weight Management Service: Views of Service Providers in England](#). Peletidi A, Kayyali R. *Pharmacy (Basel)*. 2019 Jul 3;7(3). pii: E82. doi: 10.3390/pharmacy7030082.

[The relationship between obesity and fractures](#). Court-Brown CM, Duckworth AD, Ralston S, McQueen MM. *Injury*. 2019 Jun 22. pii: S0020-1383(19)30361-4. doi: 10.1016/j.injury.2019.06.016.

[Area deprivation, screen time and consumption of food and drink high in fat salt and sugar \(HFSS\) in young people: results from a cross-sectional study in the UK](#). Thomas F, Thomas C, Hooper L, Rosenberg G, Vohra J, Bauld L. *BMJ Open*. 2019 Jun 28;9(6):e027333. doi: 10.1136/bmjopen-2018-027333.

[Anthropometric Indicators of Adiposity Related to Body Weight and Body Shape as Cardiometabolic Risk Predictors in British Young Adults: Superiority of Waist-to-Height Ratio](#). Amirabdollahian F, Haghghatdoost F. *J Obes*. 2018 Nov 1;2018:8370304. doi: 10.1155/2018/8370304.

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## International

[Sleep SAAF: a responsive parenting intervention to prevent excessive weight gain and obesity among African American infants](#). Lavner JA, Stansfield BK, Beach SRH, Brody GH, Birch LL. *BMC Pediatr*. 2019 Jul 5;19(1):224. doi: 10.1186/s12887-019-1583-7.

[Obesity prevention and the role of hospital and community-based health services: a scoping review](#). Pearce C, Rychetnik L, Wutzke S, Wilson A. *BMC Health Serv Res*. 2019 Jul 5;19(1):453. doi: 10.1186/s12913-019-4262-3.

[School-Based Interventions in Low Socioeconomic Settings to Reduce Obesity Outcomes among Preschoolers: A Scoping Review](#). Luybli M, Schmillen H, Sotos-Prieto M. *Nutrients*. 2019 Jul 4;11(7). pii: E1518. doi: 10.3390/nu11071518.

**Children's Exposure to Television Food Advertising Contributes to Strong Brand Attachments.** Kelly B, Boyland E, King L, Bauman A, Chapman K, Hughes C. *Int J Environ Res Public Health*. 2019 Jul 3;16(13). pii: E2358. doi: 10.3390/ijerph16132358.

**Socioeconomic Inequalities in the Retail Food Environment around Schools in a Southern European Context.** Díez J, Cebrecos A, Rapela A, Borrell LN, Bilal U, Franco M. *Nutrients*. 2019 Jul 3;11(7). pii: E1511. doi: 10.3390/nu11071511.

**Rationale and design of the school-based S! Program to face obesity and promote health among Spanish adolescents: A cluster-randomized controlled trial.** Fernandez-Jimenez R, Santos-Beneit G, Tresserra-Rimbau A, Bodega P, de Miguel M, de Cos-Gandoy A, Rodríguez C, Carral V, Orrit X, Haro D, Carvajal I, Ibañez B, Storniolo C, Domènech M, Estruch R, Fernández-Alvira JM, Lamuela-Raventós RM, Fuster V. *Am Heart J*. 2019 Apr 10;215:27-40. doi: 10.1016/j.ahj.2019.03.014.

**Toddlers' impulsivity, inhibitory control, and maternal eating-related supervision in relation to toddler body mass index: Direct and interactive effects.** Lelakowska G, Kanya MJ, Balassone BR, Savoree SL, Boddy LE, Power TG, Bridgett DJ. *Appetite*. 2019 Jul 2:104343. doi: 10.1016/j.appet.2019.104343.

**Feasibility of enhancing well-child visits with family nutrition and physical activity risk assessment on body mass index.** Bailey-Davis L, Kling SMR, Wood GC, Cochran WJ, Mowery JW, Savage JS, Stametz RA, Welk GJ. *Obes Sci Pract*. 2019 Apr 24;5(3):220-230. doi: 10.1002/osp4.339.

**Informing a roadmap for cross-sectoral collaboration on portion size management as a national strategy to improve population nutrition - a Delphi study.** Barata-Cavalcanti O, Ty D, Novelli W, Costa S, Huang TT. *Obes Sci Pract*. 2019 Feb 27;5(3):189-202. doi: 10.1002/osp4.331.

**The Effect of Reverse Causality and Selective Attrition on the Relationship Between Body Mass Index and Mortality in Postmenopausal Women.** Banack HR, Bea JW, Kaufman JS, Stokes A, Kroenke CH, Stefanick ML, Beresford SA, Bird CE, Garcia L, Wallace R, Wild RA, Caan B, Wactawski-Wende J. *Am J Epidemiol*. 2019 Jul 5. pii: kwz160. doi: 10.1093/aje/kwz160.

**Food choices: concordance in Australian children aged 11-12 years and their parents.** Vivarini P, Kerr JA, Clifford SA, Grobler AC, Jansen PW, Mensah FK, Baur LA, Gibbons K, Wake M. *BMJ Open*. 2019 Jul 4;9(Suppl 3):147-156. doi: 10.1136/bmjopen-2017-020898.

**Recreation centre managers' perceptions of pricing interventions to promote healthy eating.** Huse O, Zorbas C, Jerebine A, Kurzeme A, Blake M, Ferguson M, Palermo C, Peeters A, Orellana L, Brimblecombe J, Moodie M, Backholer K. *Health Promot Int*. 2019 Jul 3. pii: daz062. doi: 10.1093/heapro/daz062.

**From conception to infancy - early risk factors for childhood obesity.** Larqué E, Labayen I, Flodmark CE, Lissau I, Czernin S, Moreno LA, Pietrobelli A, Widhalm K. *Nat Rev Endocrinol*. 2019 Jul 3. doi: 10.1038/s41574-019-0219-1.

**Prevention of obesity in toddlers (PROBIT): a randomised clinical trial of responsive feeding promotion from birth to 24 months.** Morandi A, Tommasi M, Soffiati F, Destro F, Grando F, Simonetti G, Bucolo C, Alberti E, Baraldi L, Chiriaco A, Ferrarese N, Frignani G, Pasqualini M, Rossi V, Siciliano C, Zuccolo AM, Matticchio G, Vettori V, Danieli D, Guarda L, Iuliano M, Raimo F, Sirpresi S, Trevisan E, Vinco S, Maffei C. *Int J Obes (Lond)*. 2019 Jul 3. doi: 10.1038/s41366-019-0406-0.

Effects of a Lifestyle Intervention in Routine Care on Prenatal Dietary Behavior-Findings from the Cluster-Randomized GeliS Trial. Günther J, Hoffmann J, Kunath J, Spies M, Meyer D, Stecher L, Rosenfeld E, Kick L, Rauh K, Hauner H. *J Clin Med*. 2019 Jul 2;8(7). pii: E960. doi: 10.3390/jcm8070960.

Effects of the Girls on the Move randomized trial on adiposity and aerobic performance (secondary outcomes) in low-income adolescent girls. Pfeiffer KA, Robbins LB, Ling J, Sharma DB, Dalimonte-Merckling DM, Voskuil VR, Kaciroti N, Resnicow K. *Pediatr Obes*. 2019 Jul 3:e12559. doi: 10.1111/ijpo.12559.

Relationship of Consistency in Timing of Exercise Performance and Exercise Levels Among Successful Weight Loss Maintainers. Schumacher LM, Thomas JG, Raynor HA, Rhodes RE, O'Leary KC, Wing RR, Bond DS. *Obesity (Silver Spring)*. 2019 Jul 3. doi: 10.1002/oby.22535.

A randomized controlled trial to assess the potential efficacy, feasibility and acceptability of an m-health intervention targeting parents of school aged children to improve the nutritional quality of foods packed in the lunchbox 'SWAP IT'. Sutherland R, Nathan N, Brown A, Yoong S, Finch M, Lecathelinais C, Reynolds R, Walton A, Janssen L, Desmet C, Gillham K, Herrmann V, Hall A, Wiggers J, Wolfenden L. *Int J Behav Nutr Phys Act*. 2019 Jul 2;16(1):54. doi: 10.1186/s12966-019-0812-7.

Examining Constructs of Parental Reflective Motivation towards Reducing Unhealthy Food Provision to Young Children. Johnson BJ, Hendrie GA, Zarnowiecki D, Huynh EK, Golley RK. *Nutrients*. 2019 Jul 1;11(7). pii: E1507. doi: 10.3390/nu11071507.

Commercial complementary food use amongst European infants and children: results from the EU Childhood Obesity Project. Theurich MA, Zaragoza-Jordana M, Luque V, Gruszfeld D, Gradowska K, Xhonneux A, Riva E, Verduci E, Poncelet P, Damianidi L, Koletzko B, Grote V. *Eur J Nutr*. 2019 Jul 1. doi: 10.1007/s00394-019-02023-3.

Unique Views on Obesity-Related Behaviors and Environments: Research Using Still and Video Images. Carlson JA, Hipp JA, Kerr J, Horowitz TS, Berrigan D. *J Meas Phys Behav*. 2018 Sep;1(3):143-154. doi: 10.1123/jmpb.2018-0021.

Multilevel Analysis of Socio-Demographic Disparities in Adulthood Obesity Across the United States Geographic Regions. Sung B, Etemadifar A. *Osong Public Health Res Perspect*. 2019 Jun;10(3):137-144. doi: 10.24171/j.phrp.2019.10.3.04.

Association of Sleep Duration with Obesity and Cardiometabolic Risk Factors in Children and Adolescents: A Population-Based Study. Seo SH, Shim YS. *Sci Rep*. 2019 Jul 1;9(1):9463. doi: 10.1038/s41598-019-45951-0.

Relationships between adiposity and postural control in girls during balance tasks of varying difficulty. Tsiros MD, Brinsley J, Mackintosh S, Thewlis D. *Obes Res Clin Pract*. 2019 Jun 28. pii: S1871-403X(18)30996-7. doi: 10.1016/j.orcp.2019.06.003.

An Investigation of Chiropractor-Directed Weight-Loss Interventions: Secondary Analysis of O-COAST. Beliveau PJH, Mclsaac MA, Mior SA, French SD. *J Manipulative Physiol Ther*. 2019 Jun 28. pii: S0161-4754(18)30040-X. doi: 10.1016/j.jmpt.2018.11.015.

Associations between cardiorespiratory fitness and weight loss in patients with severe obesity undergoing an intensive lifestyle intervention program: retrospective cohort study. Berge J, Støren Ø, Hertel JK, Gjevestad E, Småstuen MC, Hjelmæsæth J. *BMC Endocr Disord*. 2019 Jul 1;19(1):69. doi: 10.1186/s12902-019-0394-z.

**Associations between Snacking and Weight Status among Adolescents 12-19 Years in the United States.** Tripicchio GL, Kachurak A, Davey A, Bailey RL, Dabritz LJ, Fisher JO. *Nutrients*. 2019 Jun 29;11(7). pii: E1486. doi: 10.3390/nu11071486.

**A comparative effectiveness trial of two family-based childhood obesity treatment programs in a medically underserved region: Rationale, design & methods.** Zoellner JM, You W, Hill J, Brock D, Yuhas M, Alexander R, Price B, Estabrooks P. *Contemp Clin Trials*. 2019 Jun 28. pii: S1551-7144(19)30129-6. doi: 10.1016/j.cct.2019.06.015.

**The Association Between Obesity and the Nocturia in the U.S. Population.** Moon S, Chung HS, Yu JM, Ko KJ, Choi DK, Kwon O, Lee YG, Cho ST. *Int Neurourol J*. 2019 Jun;23(2):169-176. doi: 10.5213/inj.1938062.031.

**Usefulness of New Indicators of Obesity (BAI and VAI) in Estimation of Weight Reduction.** Blus E, Wojciechowska-Kulik A, Majewska E, Baj Z. *J Am Coll Nutr*. 2019 Jul 1:1-7. doi: 10.1080/07315724.2019.1630024.

**Prevalence and characteristics of energy intake under-reporting among Australian adults in 1995 and 2011 to 2012.** Tam KW, Veerman JL. *Nutr Diet*. 2019 Jun 30. doi: 10.1111/1747-0080.12565.

**IMPACT OF UNHEALTHY CHILDHOOD AND UNFAVORABLE PARENTS' CHARACTERISTICS ON ADIPOSITY IN SCHOOLCHILDREN.** Vinciguerra F, Tumminia A, Roppolo F, Romeo LC, La Spina N, Baratta R, Parrino C, Sciacca L, Vigneri R, Frittitta L. *Diabetes Metab Res Rev*. 2019 Jun 30:e3199. doi: 10.1002/dmrr.3199.

**Objectively assessed physical activity and weight status of primary school children in Germany with and without migration backgrounds.** Kobel S, Kettner S, Hermeling L, Dreyhaupt J, Steinacker JM. *Public Health*. 2019 Jun 27;173:75-82. doi: 10.1016/j.puhe.2019.05.009.

**Women's Use of Social Media: What Is the Evidence About Their Impact on Weight Management and Body Image?** Dumas AA, Desroches S. *Curr Obes Rep*. 2019 Mar;8(1):18-32. doi: 10.1007/s13679-019-0324-4.

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## **Systematic reviews**

**Association between access to convenience stores and childhood obesity: A systematic review.** Xin J, Zhao L, Wu T, Zhang L, Li Y, Xue H, Xiao Q, Wang R, Xu P, Visscher T, Ma X, Jia P. *Obes Rev*. 2019 Jul 5. doi: 10.1111/obr.12908.

**Screen time and childhood overweight/obesity: a systematic review and meta-analysis.** Fang K, Mu M, Liu K, He Y. *Child Care Health Dev*. 2019 Jul 3. doi: 10.1111/cch.12701.

**Association of sarcopenic obesity with the risk of all-cause mortality among adults over a broad range of different settings: a updated meta-analysis.** Zhang X, Xie X, Dou Q, Liu C, Zhang W, Yang Y, Deng R, Cheng ASK. *BMC Geriatr*. 2019 Jul 3;19(1):183. doi: 10.1186/s12877-019-1195-y.

**Auricular acupressure for overweight and obese individuals: A systematic review and meta-analysis.** Huang CF, Guo SE, Chou FH. *Medicine (Baltimore)*. 2019 Jun;98(26):e16144. doi: 10.1097/MD.00000000000016144.

Exploring the myth of the chubby gamer: A meta-analysis on sedentary video gaming and body mass. Marker C, Gnambs T, Appel M. Soc Sci Med. 2019 Jun 9:112325. doi: 10.1016/j.socscimed.2019.05.030.

Association of Weight Loss Interventions With Changes in Biomarkers of Nonalcoholic Fatty Liver Disease: A Systematic Review and Meta-analysis. Koutoukidis DA, Astbury NM, Tudor KE, Morris E, Henry JA, Noreik M, Jebb SA, Aveyard P. JAMA Intern Med. 2019 Jul 1. doi: 10.1001/jamainternmed.2019.2248.

Fruit and Vegetable Consumption in Overweight or Obese Individuals: A Meta-Analysis. Arnotti K, Bamber M. West J Nurs Res. 2019 Jun 29:193945919858699. doi: 10.1177/0193945919858699.

The use of social media in nutrition interventions for adolescents and young adults-A systematic review. Chau MM, Burgermaster M, Mamykina L. Int J Med Inform. 2018 Dec;120:77-91. doi: 10.1016/j.ijmedinf.2018.10.001.

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