



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

[Perceptions of risk and influences of choice in pregnant women with obesity. An evidence synthesis of qualitative research.](#) Relph S, Ong M, Vieira MC, Pasupathy D, Sandall J. PLoS One. 2020 Jan 3;15(1):e0227325. doi: 10.1371/journal.pone.0227325.

[Weight gain in early years and subsequent body mass index trajectories across birth weight groups: a prospective longitudinal study.](#) Lu Y, Pearce A, Li L. Eur J Public Health. 2020 Jan 3. pii: ckz232. doi: 10.1093/eurpub/ckz232.

[The feasibility and acceptability of a primary school-based programme targeting diet and physical activity: the PhunkyFoods Programme.](#) Sahota P, Christian M, Day R, Cocks K. Pilot Feasibility Stud. 2019 Dec 20;5:152. doi: 10.1186/s40814-019-0542-2.

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## International

[Practical Estimation of Ideal Body Weight and Normalized Lean Weight.](#) Friesen JHP. Obes Surg. 2020 Jan 4. doi: 10.1007/s11695-019-04380-8.

[Diverticulitis in Morbidly Obese Adults: A Rise in Hospitalizations with Worse Outcomes According to National US Data.](#) Patel K, Krishna SG, Porter K, Stanich PP, Mumtaz K, Conwell DL, Clinton SK, Hussan H. Dig Dis Sci. 2020 Jan 3. doi: 10.1007/s10620-019-06002-w.

[The Effect of Combined Aerobic Exercise and Calorie Restriction on Mood, Cognition, and Motor Behavior in Overweight and Obese Women.](#) Žlibinaitė L, Solianik R, Vizbaraitė D, Mickevičienė D, Skurvydas A. J Phys Act Health. 2020 Jan 2:1-7. doi: 10.1123/jpah.2019-0373.

[Keys to healthy family child care homes: Results from a cluster randomized trial.](#) Ward DS, Vaughn AE, Burney RV, Hales D, Benjamin-Neelon SE, Tovar A, Østbye T. Prev Med. 2019 Dec 30:105974. doi: 10.1016/j.ypmed.2019.105974.

**Cost-Effectiveness of Three Doses of a Behavioral Intervention to Prevent or Delay Type 2 Diabetes in Rural Areas.** Radcliff TA, Côté MJ, Whittington MD, Daniels MJ, Bobroff LB, Janicke DM, Perri MG. *J Acad Nutr Diet.* 2019 Dec 30. pii: S2212-2672(19)31584-9. doi: 10.1016/j.jand.2019.10.025.

**The Association Between Hours Spent at Work and Obesity Status: Results From NHANES 2015 to 2016.** Doerrmann C, Oancea SC, Selya A. *Am J Health Promot.* 2020 Jan 3:890117119897189. doi: 10.1177/0890117119897189.

**Association of sleep, screen time and physical activity with overweight and obesity in Mexico.** Kolovos S, Jimenez-Moreno AC, Pinedo-Villanueva R, Cassidy S, Zavala GA. *Eat Weight Disord.* 2019 Dec 31. doi: 10.1007/s40519-019-00841-2.

**The association between body composition and quality of life among elderly Italians.** Toselli S, Campa F, Spiga F, Grigoletto A, Simonelli I, Gualdi-Russo E. *Endocrine.* 2019 Dec 31. doi: 10.1007/s12020-019-02174-7.

**A Health Care Provider Intervention to Address Obesity in Patients with Diabetes.** Boddu N, Abedzadeh-Anakari S, Chitharanjan D, Maraka S. *Fed Pract.* 2019 Nov;36(Suppl 7):S16-S18.

**'Am I really hungry?' A qualitative exploration of patients' experience, adherence and behaviour change during hunger training: a pilot study.** de Bruin WE, Ward AL, Taylor RW, Jospe MR. *BMJ Open.* 2019 Dec 31;9(12):e032248. doi: 10.1136/bmjopen-2019-032248.

**Advertising Placement in Digital Game Design Influences Children's Choices of Advertised Snacks: A Randomized Trial.** Smith R, Kelly B, Yeatman H, Moore C, Baur L, King L, Boyland E, Chapman K, Hughes C, Bauman A. *J Acad Nutr Diet.* 2019 Dec 28. pii: S2212-2672(19)31023-8. doi: 10.1016/j.jand.2019.07.017.

**Sitting time and long-term weight change in adolescents with severe obesity undergoing surgical and nonoperative weight management.** Fischer BM, Inge MM, Jenkins TM, Inge TH. *Surg Obes Relat Dis.* 2019 Nov 29. pii: S1550-7289(19)31115-3. doi: 10.1016/j.soard.2019.11.014.

**Association between Adherence to the Mediterranean Diet and Physical Fitness with Body Composition Parameters in 1717 European Adolescents: The AdolesHealth Study.** Galan-Lopez P, Sanchez-Oliver AJ, Pihu M, Gísladóttir T, Domínguez R, Ries F. *Nutrients.* 2019 Dec 27;12(1). pii: E77. doi: 10.3390/nu12010077.

**Maternal Weight Gain and Infant Birth Weight in Women with Class III Obesity.** Tucker AR, Brown HL, Dotters-Katz SK. *Am J Perinatol.* 2019 Dec 31. doi: 10.1055/s-0039-3402721.

**Adherence to dietary guidelines for the Spanish population and risk of overweight/obesity in the SUN cohort.** Gómez-Donoso C, Martínez-González MÁ, Martínez JA, Sayón-Orea C, de la Fuente-Arillaga C, Bes-Rastrollo M. *PLoS One.* 2019 Dec 31;14(12):e0226565. doi: 10.1371/journal.pone.0226565.

**HomeSTEAD's physical activity and screen media practices and beliefs survey: Instrument development and integrated conceptual model.** Vaughn AE, Hales DP, Neshteruk CD, Ward DS. *PLoS One.* 2019 Dec 31;14(12):e0226984. doi: 10.1371/journal.pone.0226984.

**Associations between obesity and neighborhood socioeconomic status: Variations by gender and family income status.** Fan JX, Wen M, Li K. *SSM Popul Health.* 2019 Dec 10;10:100529. doi: 10.1016/j.ssmph.2019.100529.

**Activity Level and Body Mass Index as Predictors of Physical Workload During Working Career.** Mänttari SK, Oksa JAH, Virkkala J, Pietilä JAK. *Saf Health Work.* 2019 Dec;10(4):527-530. doi: 10.1016/j.shaw.2019.09.002.

**Feasibility, user experiences, and preliminary effect of *Conversation Cards for Adolescents* on collaborative goal-setting and behavior change: protocol for a pilot randomized controlled trial.** Kebbe M, Farmer A, Dyson MP, Scott SD, McHugh TLF, Lappa S, Rajani H, Ladha T, Islam B, Jacoby L, Nasir F, Talwar K, Wincott JL, Zhang M, Ball GDC. *Pilot Feasibility Stud.* 2019 Dec 18;5:149. doi: 10.1186/s40814-019-0533-3.

**A review of nutrition labeling and food choice in the United States.** Dumoitier A, Abbo V, Neuhofer ZT, McFadden BR. *Obes Sci Pract.* 2019 Nov 14;5(6):581-591. doi: 10.1002/osp4.374.

**Asthma status moderates the relationship between neighbourhood disadvantage and obesity in African American adolescent females.** Cahill LM, Fisher KA, Robinson WT, Beiter KJ, Zabaleta J, Tseng TS, Kepper MM, Skizim MK, Griffiths LA, Uddo RB, Pelligrino NE, Maronge JM, Happel K, Scribner R, Sothorn MS. *Obes Sci Pract.* 2019 Oct 23;5(6):564-569. doi: 10.1002/osp4.370.

**Stigmatizing weight experiences in health care: Associations with BMI and eating behaviours.** Remmert JE, Convertino AD, Roberts SR, Godfrey KM, Butryn ML. *Obes Sci Pract.* 2019 Nov 12;5(6):555-563. doi: 10.1002/osp4.379.

**Patients' reasons for weight loss and their relations to clinical weight loss outcomes in a comprehensive lifestyle intervention.** Boepple L, Cero I, Marek RJ, Coulon S, Lydecker JA, Brown JD, Malcolm R, O'Neil PM. *Obes Sci Pract.* 2019 Nov 24;5(6):548-554. doi: 10.1002/osp4.372.

**Weight gain prevention content delivered to mothers: Lessons from an intervention embedded in a community organization.** Tabak RG, Morshed AB, Schwarz CD, Haire-Joshu D. *Obes Sci Pract.* 2019 Nov 18;5(6):540-547. doi: 10.1002/osp4.369.

**Feasibility and acceptability of a rural, pragmatic, telemedicine-delivered healthy lifestyle programme.** Batsis JA, McClure AC, Weintraub AB, Kotz DF, Rotenberg S, Cook SB, Gilbert-Diamond D, Curtis K, Stevens CJ, Sette D, Rothstein RI. *Obes Sci Pract.* 2019 Oct 17;5(6):521-530. doi: 10.1002/osp4.366.

**Enhancing group-based internet obesity treatment: A pilot RCT comparing video and text-based chat.** West DS, Stansbury M, Krukowski RA, Harvey J. *Obes Sci Pract.* 2019 Oct 28;5(6):513-520. doi: 10.1002/osp4.371.

**Prevalence of overweight among youth with chronic conditions in the United States: An update from the 2016 National Survey of Children's Health.** Haegele JA, Foley JT, Healy S, Paller A. *Pediatr Obes.* 2019 Dec 30. doi: 10.1111/ijpo.12595.

**Adherence to the 2017 French dietary guidelines and adult weight gain: A cohort study.** Chaltiel D, Julia C, Adjibade M, Touvier M, Hercberg S, Kesse-Guyot E. *PLoS Med.* 2019 Dec 30;16(12):e1003007. doi: 10.1371/journal.pmed.1003007.

**Body height and waist circumference of young Swiss men as assessed by 3D laser-based photonic scans and by manual anthropometric measurements.** Beckmann C, Aldakak L, Eppenberger P, Rühli F, Staub K, Bender N. *PeerJ.* 2019 Dec 12;7:e8095. doi: 10.7717/peerj.8095.

The Impact of Step Recommendations on Body Composition and Physical Activity Patterns in College Freshman Women: A Randomized Trial. Bailey BW, Bartholomew CL, Summerhays C, Deru L, Compton S, Tucker LA, LeCheminant JD, Hicks J. J Obes. 2019 Dec 1;2019:4036825. doi: 10.1155/2019/4036825.

Efficacy of "Mentoring to Be Active" on Weight Loss, Body Mass Index, and Body Fat among Obese and Extremely Obese Youth in Rural Appalachia. Smith LH, Petosa RL, Laurent D. J Rural Health. 2020 Jan;36(1):77-87. doi: 10.1111/jrh.12410.

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### **Systematic reviews**

The link between breakfast skipping and overweigh/obesity in children and adolescents: a meta-analysis of observational studies. Ardeshirlarijani E, Namazi N, Jabbari M, Zeinali M, Gerami H, Jalili RB, Larijani B, Azadbakht L. J Diabetes Metab Disord. 2019 Nov 28;18(2):657-664. doi: 10.1007/s40200-019-00446-7.

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