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## UK and Ireland

**Healthcare Professional Training Regarding Gestational Weight Gain: Recommendations and Future Directions.** Olander EK, Hill B, Skouteris H. *Curr Obes Rep.* 2021 Feb 20. doi: 10.1007/s13679-021-00429-x.

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### ***UK and Ireland: Research related to COVID-19***

**Obesity, walking pace and risk of severe COVID-19 and mortality: analysis of UK Biobank.** Yates T, Razieh C, Zaccardi F, Rowlands AV, Seidu S, Davies MJ, Khunti K. *Int J Obes (Lond).* 2021 Feb 26. doi: 10.1038/s41366-021-00771-z.

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## International

**Pilot Trial of Acceptance-Based Behavioral Weight Loss and Neurocognition Among American Indians.** Hawkins MAW, Colaizzi JM, Cole AB, Keirns NG, Smith CE, Stout M, Chaney J, Sawhney M, Gahn D. *Behav Ther.* 2021 Mar;52(2):350-364. doi: 10.1016/j.beth.2020.04.009.

**Understanding the healthfulness of outlets providing lunch and dinner meals: a census of a rural food retail environment in Victoria, Australia.** Alston L, Versace V, Brown E, Nichols M, Whelan J, Bolton KA, Sacks G, Needham C, Orellana L, Allender S. *Aust N Z J Public Health.* 2021 Feb;45(1):65-70. doi: 10.1111/1753-6405.13057.

**Obesity as a multisystem disease: Trends in obesity rates and obesity-related complications.** Salam S, Sockalingam S, Dash S. *Diabetes Obes Metab.* 2021 Feb;23 Suppl 1:3-16. doi: 10.1111/dom.14290.

**Ambient air pollution and the development of overweight and obesity in children: a large longitudinal study.** de Bont J, Díaz Y, de Castro M, Cirach M, Basagaña X, Nieuwenhuijsen M, Duarte-Salles T, Vrijheid M. *Int J Obes (Lond).* 2021 Feb 24. doi: 10.1038/s41366-021-00783-9.

**Orthopaedic patients underestimate their body weight too: a cross-sectional study.** Barroso Rosa S, Doma K, Felipe Peña M, Grant A. *Int Orthop.* 2021 Feb 25. doi: 10.1007/s00264-021-04995-6.

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**An overview of obesity mechanisms in humans: Endocrine regulation of food intake, eating behaviour and common determinants of body weight.** Theilade S, Christensen MB, Vilsbøll T, Knop FK. *Diabetes Obes Metab.* 2021 Feb;23 Suppl 1:17-35. doi: 10.1111/dom.14270.

**Psychological Stress and Lowered Physical Activity Enjoyment in Adolescents With Overweight/Obesity.** Ajibewa TA, Beemer LR, Sonnevile KR, Miller AL, Toledo-Corral C, Robinson LE, Hasson RE. *Am J Health Promot.* 2021 Feb 25:890117121997042. doi: 10.1177/0890117121997042.

**Relationships between social spending and childhood obesity in OECD countries: an ecological study.** Miyawaki A, Evans CEL, Lucas PJ, Kobayashi Y. *BMJ Open.* 2021 Feb 23;11(2):e044205. doi: 10.1136/bmjopen-2020-044205.

**Systemic cross-talk between brain, gut, and peripheral tissues in glucose homeostasis: effects of exercise training (CROSSYS). Exercise training intervention in monozygotic twins discordant for body weight.** Heiskanen MA, Honkala SM, Hentilä J, Ojala R, Lautamäki R, Koskensalo K, Lietzén MS, Saunavaara V, Saunavaara J, Helmiö M, Löyttyniemi E, Nummenmaa L, Collado MC, Malm T, Lahti L, Pietiläinen KH, Kaprio J, Rinne JO, Hannukainen JC. *BMC Sports Sci Med Rehabil.* 2021 Feb 24;13(1):16. doi: 10.1186/s13102-021-00241-z.

**Maternal dietary quality, inflammatory potential and childhood adiposity: an individual participant data pooled analysis of seven European cohorts in the ALPHABET consortium.** Chen LW, Aubert AM, Shivappa N, Bernard JY, Mensink-Bout SM, Geraghty AA, Mehegan J, Suderman M, Polanska K, Hanke W, Jankowska A, Relton CL, Crozier SR, Harvey NC, Cooper C, Hanson M, Godfrey KM, Gaillard R, Duijts L, Heude B, Hébert JR, McAuliffe FM, Kelleher CC, Phillips CM. *BMC Med.* 2021 Feb 22;19(1):33. doi: 10.1186/s12916-021-01908-7.

**Peer-Assisted Lifestyle (PAL) intervention: a protocol of a cluster-randomised controlled trial of a health-coaching intervention delivered by veteran peers to improve obesity treatment in primary care.** Wittleder S, Smith S, Wang B, Beasley JM, Orstad SL, Sweat V, Squires A, Wong L, Fang Y, Doebrich P, Gutnick D, Tenner C, Sherman SE, Jay M. *BMJ Open.* 2021 Feb 26;11(2):e043013. doi: 10.1136/bmjopen-2020-043013.

**Potential Impact of the Nonessential Energy-Dense Foods Tax on the Prevalence of Overweight and Obesity in Children: A Modeling Study.** Illescas-Zárate D, Batis C, Ramírez-Silva I, Torres-Álvarez R, Rivera JA, Barrientos-Gutiérrez T. *Front Public Health.* 2021 Jan 28;8:591696. doi: 10.3389/fpubh.2020.591696.

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**The moderating role of the built environment in prenatal lifestyle interventions.**

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**Effect of prenatal lifestyle intervention on maternal postpartum weight retention and child body mass index z-score at 36 months.** Phelan S, Hart CN, Jelalian E, Muñoz-Christian K, Alarcon N, McHugh A, Ventura AK, Wing RR. *Int J Obes (Lond)*. 2021 Feb 24. doi: 10.1038/s41366-021-00784-8.

**Short-, medium-, and long-term weight changes and all-cause mortality in old age: Findings from the National Survey of the Japanese Elderly.** Murayama H, Liang J, Shaw BA, Botoseneanu A, Kobayashi E, Fukaya T, Shinkai S, J Gerontol A Biol Sci Med Sci. 2021 Feb 24:glab052. doi: 10.1093/gerona/glab052.

**A Behavioral Lifestyle Intervention to Limit Gestational Weight Gain in Pregnant Women with Overweight and Obesity.** Liu J, Wilcox S, Wingard E, Turner-McGrievy G, Hutto B, Burgis J. *Obesity (Silver Spring)*. 2021 Feb 22. doi: 10.1002/oby.23119.

**Concordance between the weight of Spanish adolescent soccer players, their self-perceived weight, and their weight as perceived by their parents.** Fernández-Álvarez MDM, Martín-Payo R, Zabaleta-Del-Olmo E, García-García R, González-Méndez X, Carrasco-Santos S. *J Pediatr Nurs*. 2021 Feb 20:S0882-5963(21)00052-X. doi: 10.1016/j.pedn.2021.02.011.

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**Ultraprocessed Food Consumption is Strongly and Dose-Dependently Associated with Excess Body Weight in Swiss Women.** Pestoni G, Habib L, Reber E, Rohrmann S, Staub K, Stanga Z, Faeh D. *Obesity (Silver Spring)*. 2021 Mar;29(3):601-609. doi: 10.1002/oby.23091.

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**Childhood emotional and behavioral characteristics are associated with soda intake: A prospective study in Mexico City.** Wang Z, Jansen EC, Miller AL, Peterson KE, Téllez-Rojo MM, Watkins D, Schnaas L, Del Carmen Hernandez Chavez M, Cantoral A. Pediatr Obes. 2020 Dec;15(12):e12682. doi: 10.1111/ijpo.12682.

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#### ***International: Research related to COVID-19***

**Physical activity behaviour and screen time in Dutch children during the COVID-19 pandemic: Pre-, during- and post-school closures.** Ten Velde G, Lubrecht J, Arayess L, van Loo C, Hesselink M, Reijnders D, Vreugdenhil A. Pediatr Obes. 2021 Feb 23:e12779. doi: 10.1111/ijpo.12779.

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## **Systematic reviews**

**Harnessing technological solutions for childhood obesity prevention and treatment: a systematic review and meta-analysis of current applications.** Fowler LA, Grammer AC, Staiano AE, Fitzsimmons-Craft EE, Chen L, Yaeger LH, Wilfley DE. Int J Obes (Lond). 2021 Feb 24:1-25. doi: 10.1038/s41366-021-00765-x.

**Self-Monitoring via Digital Health in Weight Loss Interventions: A Systematic Review Among Adults with Overweight or Obesity.** Patel ML, Wakayama LN, Bennett GG. Obesity (Silver Spring). 2021 Mar;29(3):478-499. doi: 10.1002/oby.23088.

**Dietary patterns associated with obesity outcomes in adults: an umbrella review of systematic reviews.** Negash Seifu C, Patrick Fahey P, Hailemariam TG, Frost SA, Atlantis E. Public Health Nutr. 2021 Feb 22:1-49. doi: 10.1017/S1368980021000823.

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