



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

[Liraglutide and the management of overweight and obesity in people with severe mental illness: qualitative sub-study](#). Barnard-Kelly K, Whicher CA, Price HC, Phiri P, Rathod S, Asher C, Peveler RC, Holt RIG. BMC Psychiatry. 2022 Jan 7;22(1):21. doi: 10.1186/s12888-021-03666-5.

[Automatic classification of takeaway food outlet cuisine type using machine \(deep\) learning](#). Bishop TRP, von Hinke S, Hollingsworth B, Lake AA, Brown H, Burgoine T. Mach Learn Appl. 2021 Dec 15;6:None. doi: 10.1016/j.mlwa.2021.100106.

[The association between physical fitness, sports club participation and body mass index on health-related quality of life in primary school children from a socioeconomically deprived area of England](#). Basterfield L, Burn NL, Galna B, Karoblyte G, Weston KL. Prev Med Rep. 2021 Sep 13;24:101557. doi: 10.1016/j.pmedr.2021.101557.

[Socioecological approach for identifying the determinants of objectively measured physical activity: A prospective study of the UK Biobank](#). Choi J, Park J, Kim JE, Kang D, Cho SI, Chung IJ, Shin A, Lee M, Choi JY. Prev Med. 2021 Dec 31;155:106949. doi: 10.1016/j.ypmed.2021.106949.

[Sex-specific associations of adiposity with cardiometabolic traits in the UK: A multi-life stage cohort study with repeat metabolomics](#). O'Keeffe LM, Bell JA, O'Neill KN, Lee MA, Woodward M, Peters SAE, Smith GD, Kearney PM. PLoS Med. 2022 Jan 6;19(1):e1003636. doi: 10.1371/journal.pmed.1003636.

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International

[Examining adolescents' obesogenic behaviors on structured days: a systematic review and meta-analysis](#). Zosel K, Monroe C, Hunt E, Laflamme C, Brazendale K, Weaver RG. Int J Obes (Lond). 2022 Jan 6. doi: 10.1038/s41366-021-01040-9.

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The impact of weight change and measures of physical functioning on mortality. Underland LJ, Schnatz PF, Wild RA, Saquib N, Shadyab AH, Allison M, Banack H, Wassertheil-Smoller S. *J Am Geriatr Soc.* 2022 Jan 6. doi: 10.1111/jgs.17626.

Waist-To-Hip Ratio Predicts Abnormal Overnight Oximetry in Men Independent of Body Mass Index. Bock JM, Rodysill KJ, Calvin AD, Vungarala S, Sahakyan KR, Cha SS, Svatikova A, Lopez-Jimenez F, Somers VK. *Front Cardiovasc Med.* 2021 Dec 15;8:789860. doi: 10.3389/fcvm.2021.789860.

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Supporting a rural wellness intervention through assessing and mapping rural physical activity environments. Dalstrom M, Guth B, Lizer C, Zimmermann K, Khare M. *Prev Med Rep.* 2021 Sep 20;24:101567. doi: 10.1016/j.pmedr.2021.101567.

Parental Perception of Body Weight Status of Their 8-year-old Children: Findings from the European CHOP Study. Xhonneux A, Langhendries JP, Martin F, Seidel L, Albert A, Dain E, Totzauer M, Grote V, Luque V, Closa-Monasterolo R, Dionigi AR, Verduci E, Gruszfeld D, Socha P, Koletzko B; European Childhood Obesity Trial Study group. *Matern Child Health J.* 2022 Jan 1. doi: 10.1007/s10995-021-03334-w.

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How time in the US and race/ethnicity shape food parenting practices and child diet quality. Othman SI, Fertig A, Trofholz A, Berge JM. *Appetite.* 2021 Dec 30:105870. doi: 10.1016/j.appet.2021.105870.

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Assessing impacts of redeveloping public housing communities on obesity in low-income minority residents: Rationale, study design, and baseline data from the Watts Neighborhood Health Study. Datar A, Shier V, Braboy A, Jimenez-Ortiz M, Hernandez A, King SE, Liu Y. *Contemp Clin Trials Commun.* 2021 Dec 9;25:100879. doi: 10.1016/j.conctc.2021.100879.

Promoting healthy lifestyle behaviours in youth: Findings from a novel intervention for children at risk of cardiovascular disease. Ybarra M, Daniele PK, Barnett TA, Mathieu MÈ, Van Hulst A, Drouin O, Kakinami L, Bigras JL, Henderson M. *Paediatr Child Health.* 2021 Jul 9;26(8):478-485. doi: 10.1093/pch/pxab033.

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Healthy body, healthy mind: Long-term mutual benefits between classroom and sport engagement in children from ages 6 to 12 years. Harbec MJ, Goldfield G, Pagani LS. Prev Med Rep. 2021 Sep 30;24:101581. doi: 10.1016/j.pmedr.2021.101581.

Automated Behavioral Workplace Intervention to Prevent Weight Gain and Improve Diet: The ChooseWell 365 Randomized Clinical Trial. Thorndike AN, McCurley JL, Gelsomin ED, Anderson E, Chang Y, Porneala B, Johnson C, Rimm EB, Levy DE. JAMA Netw Open. 2021 Jun 1;4(6):e2112528. doi: 10.1001/jamanetworkopen.2021.12528.

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International: Research related to COVID-19

Predictors of Weight Loss and Weight Gain in Weight Management Patients during the COVID-19 Pandemic. Kuk JL, Christensen RAG, Kamran Samani E, Wharton S.J. Obes. 2021 Dec 17;2021:4881430. doi: 10.1155/2021/4881430.

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Systematic reviews

No papers identified in this week's search.

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