

Child Healthy Weight eUpdate – March 2026



Figure 1 NHS Lanarkshire Logo

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1. Abdulkerim HM, Kebede GS, Mare KU, et al. [Prevalence of stunting and its determinants among children under five in 35 Sub-Saharan African countries \(2011–2024\): Insights from recent demographic health survey data using a generalized linear mixed-effects model with robust poisson regression](#). *PLoS One*. 2026;21(3):30.
2. Akter S, Siriphon A, Ayuttacorn A, Boonchieng W. [Prevalence and Determinants of Undernutrition Among Children Under Five in Coastal Bangladesh: A Community-Based Study](#). *Food Science & Nutrition*. 2026;14(2):27.
3. Alexandra M, Vasileios C, Tsantes AG, et al. [Mass Screening Strategies for Celiac Disease in Apparently Healthy Children and Adolescents: A Systematic Review](#). *Medicina*. 2026;62(2):246.
4. Alice M, Pozzi E, Luisa A, et al. [Body Mass Index Status in Italian Children with Celiac Disease at Diagnosis and After 12–18 Months on a Gluten-Free Diet: A Multicenter Retrospective Study](#). *Nutrients*. 2026;18(3):501

5. Anna F, Paula S, Magdalena G, Szałapska M, Arkadiusz Z, Renata S. [Effect of Oral Glucose Administration on Ghrelin Levels in Normal-Height Prepubertal Children Born Small for Gestational Age \(SGA\)](#). *International Journal of Molecular Sciences*. 2026;27(4):1791.
6. Antonia G, Stavri C, Kantilafti M. [Ultra-Processed Foods and Mental Health in Children and Adolescents: Evidence from a Systematic Review](#). *Nutrients*. 2026;18(6):899.
7. Arredondo-Nontol M, Arredondo-Nontol R, Reto N, Germán MC A. [Association between obesity and neurodevelopmental delay risk in children under five years: A study from Tumbes, Peru](#). *PLoS One*. 2026;21(3):21.
8. Aysun B, Bilge N, Yıldız SN, et al. [Serum Homocysteine, Insulin Resistance, and Metabolic Risk Factors in Children and Adolescents with Obesity: A Retrospective Cross-Sectional Study](#). *Journal of Clinical Medicine*. 2026;15(6):2216.
9. Balapou D, Atta-Doku JF, Achiam WKA, Agjei RO, Kumah E. [Prevalence and Associated Factors of the Double Burden of Malnutrition Among Under-Five Children in Urban Ghana](#). *Food Science & Nutrition*. 2026;14(3):11.
10. Besnili AD, Erkut O. [Electrocardiographic Characteristics of Healthy Newborns During the First Postnatal Hour](#). *Journal of Cardiovascular Development and Disease*. 2026;13(3):140.
11. Bondyra-Wiśniewska B, Harton A. [Diet Quality and Nutritional Value in Children and Adolescents with Excess Body Weight and Dyslipidemia Undergoing Low-Glycemic Index or Standard Diet](#). *Nutrients*. 2026;18(3):448.
12. Cevik E, Pelin PK. [The relationship of adverse childhood experiences of pregnant women with healthy lifestyle behaviours and birth attitudes: A cross-sectional study](#). *PLoS One*. 2026;21(2):14.
13. Cindy-Lee D, Dennis-Grantham A, Singla DR, et al. [The influence of paternal preconception health on infant birth weight: A scoping review](#). *PLoS One*. 2026;21(3):23.
14. Claiborne A, Jevtovic F, Biagioni EM, et al. [Exercise FITT-V in pregnancy with obesity: Preliminary findings for infant adiposity and intergenerational obesity risk](#). *Physiological Reports*. 2026;14(3):12.
15. Daniel LE, Dafni M, Alejandro A, et al. [Disentangling Gut Microbiome Alterations in Children with Cow's Milk Allergy: Impact of Sex, Milk Elimination, and Family History of Allergies](#). *Nutrients*. 2026;18(3):398.

16. de Paula IL, Rodrigues AJ, Freire de Paula IC, et al. [Changes in Eating Behavior Among Children with Overweight or Obesity: Results of a Nutritional Intervention](#). *Nutrients*. 2026;18(6):1012.
17. Dimitriou M, Natalia C, Dimitra K, et al. [Weight Bias Internalization Is Inversely Associated with Adherence to the Mediterranean Diet: The Greek Lifestyle and Obesity-Related Bias Survey](#). *Nutrients*. 2026;18(5):866.
18. Dönmez AS, Çayır A, Laloğlu E, et al. [The Course of Progranulin Levels at Admission and During Early Period of Insulin Treatment in Children with Newly Diagnosed Type 1 Diabetes Mellitus](#). *Journal of Clinical Research in Pediatric Endocrinology*. 2026;18(1):123-128.
19. Dumlu B, Kavsara HK, Kaya C, et al. [What's on the Plate? Unveiling Food Insecurity and Nutritional Risk Among Preschool-Aged Children in Türkiye](#). *Food Science & Nutrition*. 2026;14(3):12.
20. Emanuela C, Alessio T, Fabio M. [Sustainable and Healthy Eating and Sport Engagement as Drivers of Advocacy: A Structural Equation Model \(SEM\) Study](#). *Sustainability*. 2026;18(5):2477.
21. Ergani AC, Tezcan ME, Ümmügülsüm C, Arslan K. [Evaluation of the Relationship Between Orexin A, Peptide YY, AgRP, and POMC Levels and Sleep Disorders in Children with Malnutrition](#). *Nutrients*. 2026;18(3):377.
22. Ferris D, Davison G, Tyler F, et al. [Nutrition Assistance Programs and Pediatric Weight Outcomes: A Systematic Review](#). *Nutrients*. 2026;18(3):394.
23. Fioretta S, Davide C, Giovanna Z, et al. [Long-Term Effects of a Multidisciplinary School-Based Intervention on Children's Healthy Habits: A 1-Year Follow-Up](#). *Nutrients*. 2026;18(6):926.
24. Genki S, Mami I, Taeka M, et al. [Routine Life-Course Health Records in Infancy Predict Being Overweight in Childhood and Adolescence: The TMM BirThree Cohort Study](#). *Children*. 2026;13(3):334.
25. Getenet D, Tinh D, Son N, Li J. [From childhood malnutrition to adult mental illness: COVID-19 and the hidden legacy of malnutrition](#). *BMJ Global Health*. 2026;11(3):14.
26. Gorczyca-Głowacka I, Tarnowski M, Zmelonek-Znamirowska A, Wolak P. [From Childhood to Old Age: Current Knowledge and Practical Approaches to Metabolic Dysfunction-Associated Steatotic Liver Disease](#). *Journal of Clinical Medicine*. 2026;15(4):1536.
27. Gutiérrez-Rosa I, Lubián-Gutiérrez M, Rodríguez-Barrios C, Lubián-López SP, Benavente-Fernández I. [Glycemic variability and reference percentiles in very low](#)

- [birth weight preterm infants using continuous glucose monitoring](#). *PLoS One*. 2026;21(3):17.
28. Habib-Mourad C, Maliha C, Kassis A, et al. [Successes and challenges of an online based nutrition awareness program in 9–11-year-old children in four Arab countries: The Aiyal Salima digital platform qualitative study](#). *PLoS One*. 2026;21(3):20.
29. Helvacioğlu D, Yılmaz B, Bereket A. [Inflammation-Driven Iron Deficiency in Obese Children: The Role of Hcpidin and IL-6](#). *The Journal of Pediatric Research*. 2026;13(1):58-64.
30. Hokey E, Callanan S, Delahunt A, et al. [Anaemia and Maternal Iron Intakes in Pregnancy and Child Asthma: An Observational Analysis From a Longitudinal Cohort](#). *Health Science Reports*. 2026;9(3):11.
31. Irith F, Gesser-Edelsburg A, Billie E. [Seeing Food Through Young Children’s Eyes: Children’s Representations of Parental Feeding Strategies and Food Choice Reasoning](#). *Children*. 2026;13(3):347.
32. Janakiram C, Ramanarayanan V, James A, Raj AS, Babu AM, Vasudevan S. [A common risk factor strategy for combating childhood oral diseases and malnutrition in Kalpetta, India](#). *Frontiers in Oral Health*. 2026;7:1673066.
33. Ji-Sook K, Jong-Yeon K, Woo H-T. [Birth Weight-Dependent Regional Disparities in 28-Day and 1-Year Survival of Preterm Infants: Seoul Capital Area vs. Non-Capital Regions, South Korea, 2002–2021](#). *Children*. 2026;13(2):217.
34. Kağızmanlı GA, Aydın T, Yüksek Acinikli K, et al. [Nailfold Capillaroscopy: A Non-Invasive Tool for Early Detection of Microvascular Alterations in Children with Type 1 Diabetes Mellitus](#). *Journal of Clinical Research in Pediatric Endocrinology*. 2026;18(1):145-155.
35. Kalimbira AA, Singoyi P, Osman G, et al. [Dual, High and Worsening Burden of Malnutrition Among Under-5 Children Living in Malawi's Cities: Evidence From the 2015/16 and 2024 Demographic and Health Surveys](#). *Food Science & Nutrition*. 2026;14(3):8.
36. Khan AS, Dillman-Carpentier F, Swart EC. [Urban South African Adolescents’ Perspectives on Healthy and Unhealthy Foods and the Drivers of Their Food Choices in Their School Food Environment: A Pilot Study](#). *International Journal of Environmental Research and Public Health*. 2026;23(2):208.
37. Ko LK, Rillamas-Sun E, Kratz M, et al. [A Multi-Level Intervention to Address Childhood Obesity in Rural Hispanic Communities](#). *Obesity Science & Practice*. 2026;12(1):12.

38. Küçükerdönmez Ö, Akder RN, Meseri R. [Maternal employment and childhood overweight in Turkey: a cross-sectional study from 22 provinces](#). *Eur J Public Health*. 2026;36(1):149.
39. Kunanya S, Piya R, Hiroto I. [Nutritional Assessment of Children and Adolescents with Cancer in Various Resource Settings](#). *Cancers*. 2026;18(5):873.
40. Li T, Chen N, Wang X, et al. [Serum vitamins and Mycoplasma pneumoniae pneumonia in children: a case-control study](#). *Frontiers in Immunology*. 2026;17:1676950.
41. Liang D, Sun Y, Wu J, et al. [Application of Fucoxanthin-Loaded Probiotic Membrane Vesicles in Dietary Intervention of High-Fat Diet Induced Obese Mice and Color Improvement for Fruit Juice](#). *Food Science & Nutrition*. 2026;14(3):15.
42. Lima TRd, Bim MA, Andreia P, Silva DAS. [Does the Association Between Healthy Lifestyle and Cardiometabolic Variables in Adolescents Depend on Obesity and Its Distribution?](#). *Healthcare*. 2026;14(3):328.
43. Ltifi MA, Kacem N, Fadhel H, et al. [Associations Between Body Mass Index, Movement Behaviors, Motor Skills, Inhibition and Visuospatial Working Memory in Preschool Children: A Cross-Sectional Study Based on WHO](#). *Children*. 2026;13(2):306.
44. Ludmila S, Svetlana E, Dmitrii P, Alina S, Daria S. [Fluoroquinolone Resistance Patterns in Multidrug-Resistant Escherichia coli from the Gut Microbiota of Young Children](#). *Antibiotics*. 2026;15(2):140.
45. Lupu VV, Nedelcu AH, Borka-Balas R, et al. [The Gut Microbiota: An Essential Component in Understanding Pediatric Obesity: A Narrative Review](#). *Nutrients*. 2026;18(6):952.
46. Lupu VV, Nedelcu AH, Elena J, et al. [From Risks to Roots: The Multifactorial Etiopathogenesis of Childhood Obesity](#). *International Journal of Molecular Sciences*. 2026;27(3):1527.
47. Marta G, Rosa M, Mandato C. [Obesity, Nutrition and the Multiple Sclerosis Risk in Adolescents](#). *Brain Sciences*. 2026;16(3):283.
48. Méndez-Hernández P, Dosamantes-Carrasco LD, Villafuerte-Sierra I, et al. [Effectiveness of a School-Based Intervention to Promote Healthy Behaviors and Prevent Weight Gain in Mexican Children](#). *Am J Health Promot*. 2026;40(3):303-320.

49. Menin D, Veronese P, Gervasi MT, Oster H, Dondi M. [Fetal yawning and mouth openings: Frequency, developmental trends, and association with birth weight](#). *PLoS One*. 2026;21(2):14.
50. Mentzelou M, Papadopoulou SK, Exakousti-Petroula A, Chatziprodromidou IP, Constantinos G. [Association of Body Image, Body Weight and Social Media Use: A Narrative Review of Observational and Experimental Evidence of the Last Decade](#). *Behavioral Sciences*. 2026;16(3):422.
51. Mihaela-Andreea P, Ionele CM, Sandu RE, et al. [Obesity, Metabolic Syndrome and MASLD in Children: Inflammation as the Missing Link—A Short Narrative Review](#). *Life*. 2026;16(2):310.
52. Mohapatra RK, Sarangi AK, Pattnaik G, et al. [Critical Evaluation of the Impact of COVID-19 Pandemic on Child Health and Wellbeing and Suggested Preparedness for Future Pandemics—A Narrative Review](#). *Health Science Reports*. 2026;9(3):22.
53. Molina-García J, Delclòs-Alió X, Isaac E, Ana Q. [The Relationship Between Accessibility to Food Destinations and Places for Physical Activity and Children's BMI: A Sex-Stratified Analysis](#). *Nutrients*. 2026;18(3):493.
54. Muammer B, Ümmügülsüm C, Zafer B, Sadinaz A. [Circulating Myonectin and Oxytocin Levels in Pediatric Obesity: A Comparative Study](#). *Children*. 2026;13(3):401.
55. Mukubesa N, Kamulaza L, Sampa M, et al. [Nutritional trends among children under the age of five in Zambia: A repeated cross sectional analysis using Zambia demographic health survey \(2002–2018\)](#). *PLoS One*. 2026;21(2):25.
56. Muller X, Pienaar AE, Gerber B, Brooks NE, Danita K, Moran CN. [Do Anthropometric Health Risk Indicators of South African Primary School Children Require National Growth Charts? Insights from the NW-CHILD Study](#). *Children*. 2026;13(3):372.
57. Musterer S, Vogel M, Kiess W, et al. [Cardiac markers in children and adolescents at the onset of type 1 diabetes mellitus](#). *PLoS One*. 2026;21(2):12.
58. Nihal I, Atasoy AA, Goren IE, Adem Y, Nebile D. [Determination of Pesticide Residue Levels and Serum Paraoxonase 1 Protein Levels in Obese Children: A Case–Control Study](#). *Biomolecules*. 2026;16(3):439.
59. Nikoleta AX, Karamanolis G, Evgenia-Eleni V, et al. [The effect of gestational weight gain on the infant gut microbiome—A systematic review of the literature](#). *Frontiers in Cellular and Infection Microbiology*. 2026;16:1751708.

60. Paskaleva IN, Kaleva NN, Dimcheva TD, Ivanov IS. [Low-Carbohydrate \(Ketogenic\) Diet in Children with Obesity: Part 2—Hormonal Effects of the Ketogenic Diet](#). *Children*. 2026;13(3):406.
61. Putarek NR, Kitanovic J, Holstad K. [Copeptin Response to Clonidine Stimulation in Healthy Children](#). *The Journal of Pediatric Research*. 2026;13(1):93-98.
62. Raffaele B, Nobili C, Giulia M, et al. [Diagnosis of Familial Hypercholesterolemia in Children: From Clinical Features Through Gene Variants to Polygenic Score](#). *Genes*. 2026;17(3):267.
63. Ruden C, Stefania M, Andreoli A, et al. [Nutritional Status and Mediterranean Diet Adherence in Urban Albanian School-Aged Children and Adolescents: A Cross-Sectional Study](#). *Children*. 2026;13(3):398.
64. Sadaka IL, Itamar G, Yair S, Roni E, Assaf P, Greenberg D. [Prediction Models for Early Identification of Overweight and Obese Children—A National Study](#). *Nutrients*. 2026;18(3):441.
65. Sampaio VH, Silva GA, Araújo AR, et al. [Ultra-Processed Food Consumption Among Caregivers and Children in the “Happy Smile” Project: Associations with Family Dietary Patterns and Periodontal Health-Related Quality of Life](#). *Nutrients*. 2026;18(4):678.
66. Sims Place JM, Quintero L, Renbarger K, Roach K, Tagler G. [“If you show them love from an early age, they become healthier.” How do Hispanics in northern Indiana think about infant mortality and perinatal health?](#) *Frontiers in Global Women's Health*. 2026;7:1736936.
67. Soares CC, Zanin L, Sperandio M, Flório FM. [Development and validation of an educational comic book on healthy eating in early childhood](#). *Journal of Nutritional Science*. 2026;15:10.
68. Sofjana G, Olga C, Paraskevi A, Dimitra P, Grigoris R, Derdas SP. [Addressing Childhood Malnutrition in Europe: Policy Approaches to Promote Healthy Eating in Young Children](#). *Children*. 2026;13(2):213.
69. Szwajkowska M, Jaroszewska-Świątek B, Woś M. [Use of Aflibercept to Treat Retinopathy of Prematurity in Children with Extremely Low Birth Weight](#). *Journal of Clinical Medicine*. 2026;15(5):1912.
70. Tasa-Vinyals E, Plana MT, Martínez-Pinteño A, et al. [Psychopathology and Other Mental Health Challenges in Siblings of Patients with Child- or Adolescent-Onset Anorexia Nervosa: A Systematic Review with a Sex/Gender Perspective](#). *Journal of Clinical Medicine*. 2026;15(5):1772.

71. Theodora B, Vaios S, Matzourana A, et al. [Barriers and Facilitators to Increased Parental, Caregiver, and Community Engagement in Obesity Prevention Targeting Vulnerable Children: A Qualitative Study in Greece](#). *Healthcare*. 2026;14(5):620.
72. Tingting G, Cao W, Yang T, et al. [The Effect of Yogurt Consumption on Body Fat Percentage in School-Age Children: A Quantile Regression Analysis](#). *Nutrients*. 2026;18(5):780.
73. Topal Y, Edgünlü T, Akbaş D, et al. [Analysis of ATF6 and PLAT Expressions in Relation to hsa-miR-340-5p in Childhood Obesity](#). *International Journal of Molecular Sciences*. 2026;27(6):2606.
74. Torres AJI, López Padilla EG, Baneo SJ, et al. [Influence of a Nutrition Education Program on Parental Nutrition Knowledge, Dietary Habits, and Nutritional Status in Schoolchildren with Excess Weight](#). *Nutrients*. 2026;18(4):613.
75. Uphoff I, Schöneburg C, Oberhoffer-Fritz R, Ewert P, Müller J. [Comparison of Health Literacy on Physical Activity and Nutrition Between Children and Adolescents with Congenital Heart Disease and Healthy Controls](#). *Journal of Cardiovascular Development and Disease*. 2026;13(2):58.
76. Vincentini J, Riou J, Häusermann T, et al. [The First Swiss National Nutrition Survey in Children and Adolescents, menuCH-Kids: Study Design, Participants, and Data Quality](#). *International Journal of Public Health*. 2026;71:1609314.
77. Votsi IC, Koutelidakis AE. [Eating Habits, Knowledge and Perceptions of Functional Foods Among Primary School Students in Greece: Pilot Remote Educational Intervention Involving Children and Their Parents](#). *Applied Sciences*. 2026;16(6):2983.
78. Wierzbicka-Rucińska A, Wrona A, Szalecki M, Mazur J, Jacek P. [Associations Between Physical Fitness and Health-Related Quality of Life in Children with Obesity](#). *Diagnostics*. 2026;16(3):371.
79. Yang Y, Ziyue S, Xia Z, et al. [Association Between Outdoor Physical Activity and Height Growth Velocity in Chinese Children Aged 9–15: A Secondary Analysis of a National Population-Based Cohort](#). *Healthcare*. 2026;14(5):628.
80. Yortanlı BÇ, Ümmügülsüm C, Köse İ, Semiha D, Yortanlı M, Aksu O. [Serum Cocaine- and Amphetamine-Regulated Transcript \(CART\) Levels in Graves' Disease: Associations with Metabolic Status, Autoimmunity, and Thyroid Ultrasound Heterogeneity](#). *International Journal of Molecular Sciences*. 2026;27(5):2428.
81. Zadarko-Domaradzka M, Marek S, Emilian Z. [Assessment of the Predictive Potential of Pediatric Relative Fat Mass Compared to Alternative Measures of Obesity for Cardiorespiratory Fitness in Children: Longitudinal Associations During Two-Year Follow-Up](#). *Nutrients*. 2026;18(5):857.

82. Zhou P, Wenjiao L, Li D. [The Impact of Parental Engagement in an Electronic Health \(EHealth\) Intervention on Physical Activity, Dietary Behaviors, and Sleep in Preschool-Aged Children](#). *International Journal of Environmental Research and Public Health*. 2026;23(3):345.

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