

REFERENCES

- Mohsin, F., Baki, A., Nahar, J., Akhtar, S., Begum, T., Azad, K., & Nahar, N. (2012). Prevalence of Metabolic Syndrome among Obese Children and Adolescents. *Bangladesh Institute of Research and Rehabilitation in Diabetes, Endocrine and Metabolic Disorders Medical Journal*, 1(1), 21–25. <https://doi.org/10.3329/birdem.v1i1.12382>
- World Health Organization: WHO. (2024, March 1). *Obesity and overweight*. <https://www.who.int/news-room/fact-sheets/detail/obesity-and-overweight>
- Xu, S., & Xue, Y. (2016). Pediatric obesity: Causes, symptoms, prevention and treatment. *Experimental and therapeutic medicine*, 11(1), 15–20. <https://doi.org/10.3892/etm.2015.2853>
- Pi-Sunyer X. (2009). The medical risks of obesity. *Postgraduate Medicine*, 121(6), 21–33. <https://doi.org/10.3810/pgm.2009.11.2074>
- Han, T. S., & Lean, M. E. (2016). A clinical perspective of obesity, metabolic syndrome and cardiovascular disease. *Journal of the Royal Society of Medicine cardiovascular disease*, 5, 2048004016633371. <https://doi.org/10.1177/2048004016633371>
- Jankowska, A., & Brzeziński, M. Metabolic Syndrome in Obese Children—Clinical Prevalence and Risk Factors. *International Journal of Environmental Research and Public Health*, 18(3), 1060. <https://doi.org/10.3390/ijerph18031060>

- Di Renzo, L., Itani, L., Gualtieri, P., Pellegrini, M., El Ghoch, M., & De Lorenzo, A. (2022). New BMI Cut-Off Points for Obesity in Middle-Aged and Older Adults in Clinical Nutrition Settings in Italy: A Cross-Sectional Study. *Nutrients*, *14*(22), 4848. <https://doi.org/10.3390/nu14224848>
- Lam, D. W., & LeRoith, D. (2019, February 11). *Metabolic syndrome*. Endotext - NCBI Bookshelf. <https://www.ncbi.nlm.nih.gov/books/NBK278936/>
- Higgins, V., & Adeli, K. (2017). Pediatric Metabolic Syndrome: Pathophysiology and Laboratory Assessment. *EJIFCC*, *28*(1), 25–42.
- Arens, R., & Muzumdar, H. (2010). Childhood obesity and obstructive sleep apnea syndrome. *Journal of applied physiology (Bethesda, Md. : 1985)*, *108*(2), 436–444. <https://doi.org/10.1152/jappphysiol.00689.2009>
- Wilcox G. (2005). Insulin and insulin resistance. *The Clinical biochemist. Reviews*, *26*(2), 19–39.
- Wharton, S., Raiber, L., Serodio, K. J., Lee, J., & Christensen, R. A. (2018). Medications that cause weight gain and alternatives in Canada: a narrative review. *Diabetes, metabolic syndrome and obesity : targets and therapy*, *11*, 427–438. <https://doi.org/10.2147/DMSO.S171365>
- Schuster, M. A., Elliott, M. N., Bogart, L. M., Klein, D. J., Feng, J. Y., Wallander, J. L., Cuccaro, P., & Tortolero, S. R. (2014). Changes in obesity between fifth and

tenth grades: a longitudinal study in three metropolitan areas. *Pediatrics*, 134(6), 1051–1058. <https://doi.org/10.1542/peds.2014-2195>

Bouchard C. (2009). Childhood obesity: are genetic differences involved. *The American journal of clinical nutrition*, 89(5), 1494S–1501S. <https://doi.org/10.3945/ajcn.2009.27113C>

Fahed, G., Aoun, L., Bou Zerdan, M., Allam, S., Bou Zerdan, M., Bouferraa, Y., & Assi, H. I. (2022). Metabolic Syndrome: Updates on Pathophysiology and Management in 2021. *International journal of molecular sciences*, 23(2), 786. <https://doi.org/10.3390/ijms23020786>

Swarup, S., Ahmed, I., Grigorova, Y., & Zeltser, R. (2024, March 7). *Metabolic Syndrome*. StatPearls - NCBI Bookshelf. <https://www.ncbi.nlm.nih.gov/books/NBK459248/>

Birken, C. S., Tu, K., Oud, W., Carsley, S., Hanna, M., Lebovic, G., & Guttmann, A. (2017). Determining rates of overweight and obese status in children using electronic medical records: Cross-sectional study. *Canadian family physician Medecin de famille canadien*, 63(2), e114–e122.

Mather, K. J., Steinberg, H. O., & Baron, A. D. (2013). Insulin resistance in the vasculature. *The Journal of clinical investigation*, 123(3), 1003–1004. <https://doi.org/10.1172/JCI67166>

Noubiap, J. J., Nansseu, J. R., Lontchi-Yimagou, E., Nkeck, J. R., Nyaga, U. F., Ngouo, A. T., Tounouga, D. N., Tianyi, F. L., Foka, A. J., Ndoadoumgué, A. L., & Bigna, J. J. (2022). Global, regional, and country estimates of metabolic syndrome burden in children and adolescents in 2020: a systematic review and modelling analysis. *The Lancet. Child & adolescent health*, 6(3), 158–170. [https://doi.org/10.1016/S2352-4642\(21\)00374-6](https://doi.org/10.1016/S2352-4642(21)00374-6)

Xu, X., Xu, J., & Zhang, M. (2024). Association between metabolic score for visceral fat and obstructive sleep apnea: a cross-sectional study. *Frontiers in medicine*, 11, 1480717. <https://doi.org/10.3389/fmed.2024.1480717>

Arens, R., & Muzumdar, H. (2010). Childhood obesity and obstructive sleep apnea syndrome. *Journal of applied physiology (Bethesda, Md. : 1985)*, 108(2), 436–444. <https://doi.org/10.1152/jappphysiol.00689.2009>

Bizerea-Moga, T. O., Pitulice, L., Pantea, C. L., Olah, O., Marginean, O., & Moga, T. V. (2022). Extreme Birth Weight and Metabolic Syndrome in Children. *Nutrients*, 14(1), 204. <https://doi.org/10.3390/nu14010204>

Liao, L., Deng, Y., & Zhao, D. (2020). Association of low birth weight and premature birth with the risk of metabolic Syndrome: A Meta-Analysis. *Frontiers in Pediatrics*, 8, 405. <https://doi.org/10.3389/fped.2020.00405>



Parish, J. M., Adam, T., & Facchiano, L. (2007). Relationship of metabolic syndrome and obstructive sleep apnea. *Journal of clinical sleep medicine : JCSM : official publication of the American Academy of Sleep Medicine*, 3(5), 467–472.