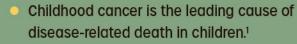


ALTHOUGH RARE, CHILDHOOD CANCER IS UNFORTUNATELY A POSSIBILITY THAT NO ONE CAN IGNORE.



 Cases of certain cancers, including lymphomas, are rising.<sup>2</sup>

 The most common cases are leukemias, lymphomas and tumors of the brain and central nervous system (CNS).<sup>3</sup>





## PREVENTION OF CANCER

While survival rates have increase to 83-87%, nearly 60% of children face severe or life-threatening complications in adulthood. <sup>4,5</sup> That's why there is a growing call for new approaches to help mitigate those risks—both in the prevention of, and the fight against cancer. And diet can play a major role in both.

- A 2024 study indicates that polyphenol-rich peanut skins may inhibit the growth and proliferation of childhood leukemia cells.<sup>6</sup>
- Regularly eating nuts like peanuts is associated with a lower cancer risk for people of all ages.<sup>7</sup>
- 2 weekly servings of peanuts or peanut butter reduced risk of benign breast disease (BBD) in young adulthood by up to 39%.
- Procyanidins in peanuts can reduce inflammation and prevent cancer cells from growing and dividing.9
- Consuming folate while pregnant is associated with reduced risks of leukemia and brain tumors in children.<sup>10</sup>



## HOW DIET SUPPORTS THE FIGHT AGAINST CANCER IN ADULTS AND CHILDREN

For adults and children, getting proper nutrition throughout treatment is essential to helping the body heal and repair. Generally, it's good to focus on increasing intake of protein, carbohydrates, vitamins, minerals and healthy fats. This can lead to benefits that include:

- IMPROVED QUALITY OF LIFE. Proper nutrition can help children feel better and experience fewer treatment side effects.
- PREVENT TREATMENT DELAYS. Well-nourished children may better tolerate chemotherapy or radiation.
- SPEED UP RECOVERY. Our bodies use protein to grow and repair tissue.
- LOWER INFECTION RISK. Protein strengthens our immune systems.

## SOURCES!

- 1. Childhood Cancer Facts | Pediatric Cancer Statistics & Survival Rate. Pediatric Cancer Research Foundation. https://pcrf-kids.org/facts-child-hood-cancer/ Accessed 22 Aug. 2024.
- 2. Childhood Cancer. EPA, Environmental Protection Agency, www.epa.gov/americaschildrenenvironment/health-childhood-cancer. Accessed 22 Aug. 2024.
- 3. Čhlidhood Cancer. (2024, August 22). National Cancer Institute. https://www.cancer.gov/types/childhood-cancers. Accessed 22 Aug. 2024.
  4. NCCR\*Explorer. An interactive website for NCCR cancer statistics. National Cancer Institute; 2023 Sep 7, [updated: 2023 Sep 8; cited 2024 Aug. 10]. https://poersystem.com/cancers/scale-page-2024.
- 5. Childhood cancer statistics: Curesearch. CureSearch for Children's Cancer. (2023, October 13). https://curesearch.org/childhood-cancer-statistics. Accessed 22 Aug. 2024
- Pornpat (Aom) Jantip, Chandra K Singh, Yaa Asantewaa K Kiu, Bradley Bolling, Peanut Polyphenois Are Bioaccessible and Inhibit Proliferation of Cultured Jurkat Leukemia Cells, Current Developments in Nutrition, Volume 8, Supplement 2, 2024, 102631, ISSN 2475-2991, https://doi.org/10.1016/j.cellstv.1026.021
- 7. Naghshi S, Sadeghian M, Nasiri M, Mobarak S, Asadi M, Sadeghi O. Association of Total Nut, Tree Nut, Peanut, and Peanut Butter Consumption with Cancer incidence and Mortality: A Comprehensive Systematic Review and Dose-Response Meta-Analysis of Observational Studies. Adv Nutr. 2021 Jun 1;12(3):793-808. doi: 10.1093/advances/nmaa152. PMID: 33307550; PMCID: PMC8166551.
- 8. Berkey CS, Willett WC, Tamimi RM, Rosner B, Frazier AL, Colditz GA. Vegetable protein and vegetable fat Intakes in pre-adolescent and adolescent girls, and risk for benign breast disease in young women. Breast Cancer Res Treat. 2013 Sep;141(2):299-306. doi: 9.1007/s10549-013-2686-8. Epub 2013 Sep 17. PMID: 24043428: PMCID: PMC3903425.
- Lee Y. Cancer Chemopreventive Potential of Procyanidin. Toxicol Res. 2017 Oct;33(4):273-282. doi: 10.5487/TR.2017.33.4.273. Epub 2015 Oct 15. PMID: 29071011; PMCID: PMC5654195.
- 10. Chlavarini M, Naldini G, Fabiani R. Maternal folate intake and risk of childhood brain and spinal cord tumors: A systematic review and meta-analysis. Neuroepidemiology 2018; 51(1-2):82-95.

## **KEY TAKEAWAY**

Even as therapies continue to improve the outlook of children and adults fighting cancer, proper nutrition can be a powerful tool for both prevention and treatment.

