

Five Advancements in Childhood Cancer Made Possible by *Proven Research*



From treating leukemia to targeting brain tumors, progress in childhood cancer has depended on years of careful research that included animal studies and rigorous scientific standards. These methods helped researchers understand how pediatric cancers develop, test and refine dosing and combinations, and move promising treatments closer to patient care.

See the advancements families depend on today – and the progress still at stake.



Combination Chemotherapy

Animal tumor models helped researchers show that combining cancer drugs could overcome resistance and improve outcomes, helping lay the foundation for modern chemotherapy approaches used in childhood cancers.



Childhood Leukemia

Animal models have been invaluable in understanding acute lymphoblastic leukemia (ALL), the most common leukemia in children, and in improving treatment strategies over time. Just 50 years ago, the condition was nearly always fatal; today, survival rates exceed 90% for many children with ALL.



Pediatric Brain Cancer

For childhood brain tumors like medulloblastoma and pediatric high-grade glioma, animal models have helped researchers study how these cancers grow and assess potential therapies before they reach patients.



Understanding Relapse and Resistance

When childhood cancers come back or stop responding to treatment, researchers use animal models to better understand why – and to help guide efforts toward better therapies for children with the hardest-to-treat disease.



The Next Generation of Treatment

Childhood cancer research is still evolving, and animal studies remain part of the broader toolkit researchers use alongside laboratory science and clinical trials to improve survival, reduce toxicity, and work toward cures for children.

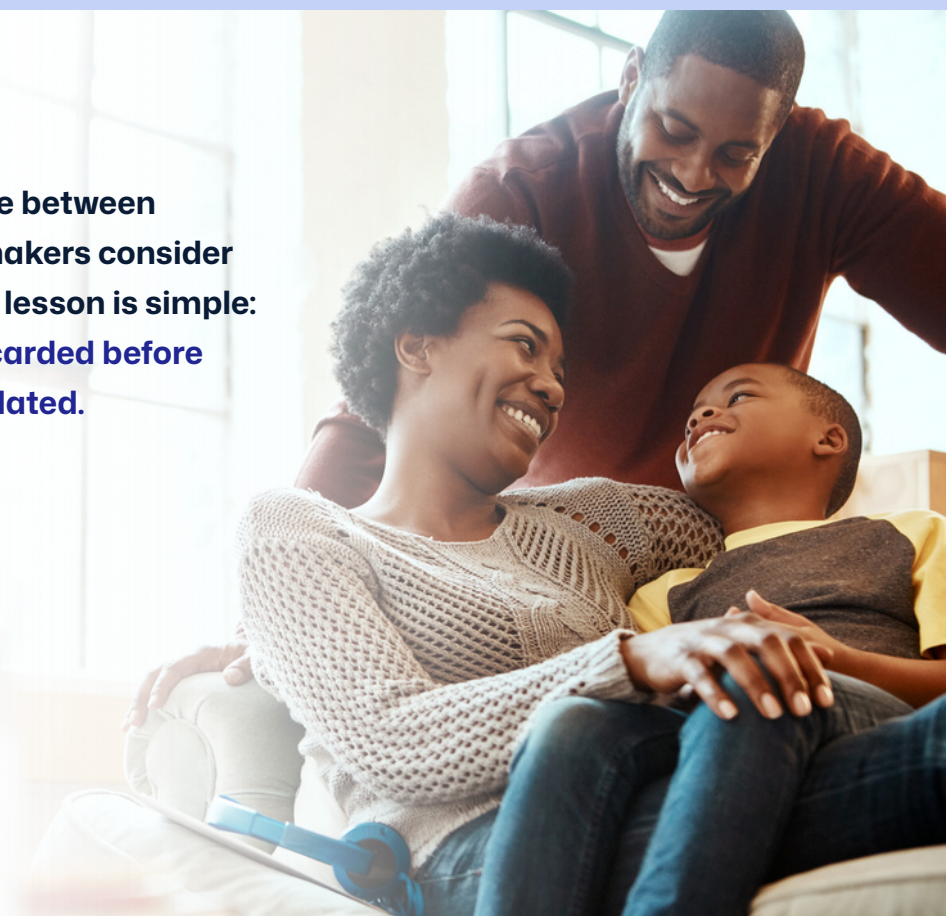


“The use of animals in some forms of biomedical research *remains essential* to the discovery of the causes, diagnoses, and treatment of disease and suffering in humans and in animals”

Stanford Medicine

Congress does not need to choose between innovation and safety. As policymakers consider the future of cancer research, the lesson is simple: *Animal studies should not be discarded before reliable alternatives are fully validated.*

Reducing unnecessary animal testing is an important goal, but animal models remain irreplaceable for the study of certain diseases, pathological processes, and possible treatments.



Protect the proven research methods that advance better treatments for American families and children.

 **Cure Coalition**

CURECOALITION.ORG