



In the U.S., **more children die from cancer than any other disease.** An estimated **16,000 children** are diagnosed with cancer each year – that's about **43 kids every day.** Only

**4%** of National Institutes of Health cancer research funding is solely dedicated to childhood cancer.

**Four Diamonds is on a mission to conquer childhood cancer, and your support accelerates the discovery of more effective treatments and cures to benefit kids around the world. Here's a quick look at how this research is impacting children everywhere.**



Our researchers are studying a channel on the surface of cells that work like a gate by controlling the entry of substances. Discovery of new drugs to block these openings could destroy many types of cancer cells.



Our pediatric oncology research team studies the causes of childhood cancer and how cancer cells can be reprogrammed to self-destruct.



Similar to how a stoplight directs traffic, cells regulate signals to stay healthy. When these signals aren't working, this may lead to pediatric cancer development and progression. We are working to control these signals and restore the normal function of cells to help cure patients.



We are leading, developing and testing new and individualized cancer therapies to treat patients whose cancer has returned or isn't responding well to treatment. Our research team is identifying superhero treatments to offer hope to patients.

We've discovered that the protein Ikaros is damaged in high-risk childhood leukemia, so we're designing a novel treatment to restore Ikaros and destroy leukemia cells. It's like turning Ikaros on and turning cancer cells off.



Of young adults ages 20-34 years, 1 in 570 are childhood cancer survivors. The majority of survivors will have at least one late side effect from their treatment, which can be severe or life threatening. The goal of the Childhood Cancer Survivorship Clinic is to ensure all survivors are monitored and treated with a proactive and individualized approach to improve quality of life.