

CHILDHOOD CANCER FACTS

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In the U.S., Cancer is the **leading cause of death** by disease in children.

<http://www.cancer.gov/types/childhood-cancers/child-adolescent-cancers-fact-sheet>

Worldwide, a child is diagnosed **every 3 minutes** with cancer.

<http://www.acco.org/us-childhood-cancer-statistics/>



1 in 285 children in the U.S. will be diagnosed with cancer before they are 20 years old.

Cancer Facts and Figures 2014, American Cancer Society



Around the world, **250** kids daily and **91,250** kids yearly lose their life to cancer.

The Lancet Oncology. 2013; 14 (3): e125-e135

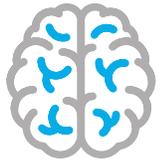


There are **70** potential life years lost on average when a child dies of cancer compared to **15** potential life years lost for adults.

http://seer.cancer.gov/csr/1975_2012/results_merged/topic_med_age.pdf
<http://jnci.oxfordjournals.org/content/93/5/341.full>

Median age of **death** for children with brain or central nervous system cancers is **9** years old.

Howlader N, et al. (eds.) based on Nov. 2019 SEER data submission posted to the SEER website, April 2020.



WHY DOES LIVING TO 13 YEARS OLD DEFINE SURVIVING CANCER?



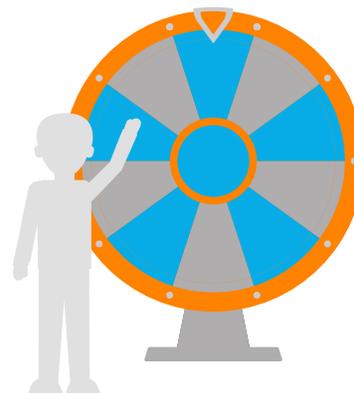
Adult and childhood cancer survival rates are based on living five years from diagnosis. The average age of an adult diagnosis is **65**, while the average age of a child's diagnosis is just **8** years old.

seer.cancer.gov and stbaldricks.org

Childhood Cancer isn't rare



- **1** child diagnosed **every three minutes**
- **20** children diagnosed **every hour**
- **480** children diagnosed **every day**
- **3,360** children diagnosed **every week**
- **14,600** children diagnosed **every month**
- **175,200** children diagnosed **every year**



Compare "RARE"

Odds of getting a Hole in One
1 in 5,000.

Odds of a child getting cancer
1 in 285.

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Children that survive cancer are **15 times** more likely to develop **Congestive Heart Failure** and **8 times** more likely to suffer **premature death** due to increased risk of:

- Liver disease
- Heart disease
- Secondary cancers/recurrent cancers

AND

Approximately **1 in 530** young adults between the ages of 20 and 39 is a childhood cancer survivor.



Of every dollar the National Cancer Institute (NCI) spends for cancer research, they only spend **four pennies** on pediatric cancer research.

<http://www.cancer.gov/about-nci/budget/congressional-justification/fy2015-nci-congressional-justification.pdf>

About **60%** of all funding for drug development in adult cancers comes from pharmaceutical companies, and for children these companies spend almost nothing.

<http://www.cancer.gov/about-nci/budget/congressional-justification/fy2015-nci-congressional-justification.pdf>



GROSS DISPARITY IN FUNDING = GROSS DISPARITY IN TREATMENT OPTIONS



Prostate cancer (average age at diagnosis: 66 years) receives more research funding from NCI than **all childhood cancers combined**. Survival rate for prostate cancer is 98%.

<https://www.cancer.org/cancer/prostate-cancer/detection-diagnosis-staging/survival-rates.html>http://seer.cancer.gov/csr/1975_2012/results_single/sect_28_table.13_2pgs.pdf

There has **NEVER** been a drug developed and approved specifically for malignant pediatric brain tumors. Is it any wonder that brain cancer represents **29.9% of total childhood cancer deaths**?

NBTS Statistics sourced from the Central Brain Tumor Registry of the United States (CBTRUS) in CBTRUS Statistical Facts Report of Primary Brain and Other Central Nervous System Tumors Diagnosed in the United States (www.cbtrus.org, unless otherwise noted.)



While **100's of drugs** have been developed **for adults** with cancer only **4** have been developed specifically **for children**, **1** of which has already been discontinued.

National Cancer Institute, <http://www.cancer.gov/research/areas/childhood>

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