

INVESTMENT IN RESEARCH SAVES LIVES AND MONEY

Cancer

Cancer is a collection of related diseases in which some of the body's cells begin to divide without stopping and spread into surrounding tissues.¹ Individually and collectively, cancers take a staggering toll on Americans and populations across the globe. Researchers have made astounding progress against cancer, but continued advances hinge on robust federal and private sector investment.

TODAY

In the United States, approximately **1.7 million** individuals, and nearly **10,600** children under 14 were diagnosed with cancer in 2018 alone.¹

Cancer is the second leading cause of death in the U.S, with **1,670** cancer deaths each day in 2018.¹

Globally, an estimated **18.1 million** individuals were diagnosed with cancer in 2018, and there were **9.6 million** cancer deaths.²

COST

\$147.3 billion:

Total amount spent on cancer care in the United States in 2017.³

The cost of cancer care is expected to increase to

\$174 billion

by the year 2020.⁴

\$3,200:

The excess annual medical expenditure per adolescent and young adult cancer survivor.⁵

Research Delivers Solutions

Cancer research is advancing in extraordinary ways, fueled by such breakthroughs as immunotherapy, nanotechnology, robotic surgery and cutting-edge techniques to identify gene mutations and understand the inner workings of cells in order to predict which treatments will be more effective.⁶

These breakthroughs, which build on decades of previous research, are working to increase survival rates and seed unprecedented hope for the future. For example, immunotherapy doubles survival rates for patients diagnosed with melanoma that has metastasized to the brain.⁷

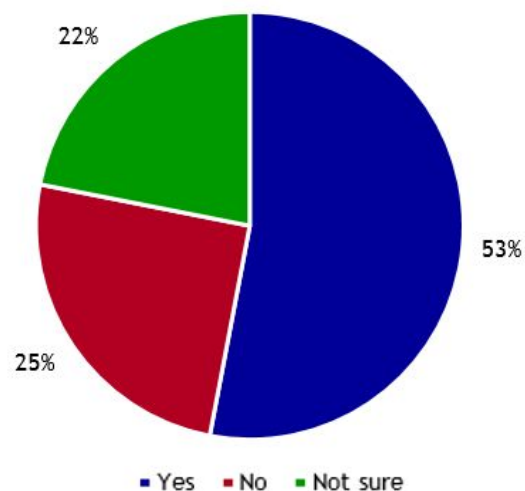
Advances in detection techniques and treatments have **increased the 5-year survival rate** for childhood cancer from approximately **58% in the 1970s to over 80% today.**⁸

Progress in understanding and treating cancer empowered a **26% decrease** in the US cancer-related death rate between 1991 to 2015.³

An estimated **40% of cancers diagnosed in the U.S.** have a link to tobacco use.⁹ Researchers have shown that counseling methods and medication for treating tobacco dependence are more effective when used together than when either is deployed independently.¹⁰ **Smoking cessation programs**, if offered by every state, could **save over \$711 million** annually.¹¹

Half of Americans Willing to Pay Additional Taxes to Support Medical Research

Would you be willing to pay \$1 per week more in taxes if you were certain that all of the money would be spent on additional medical research?



Source: A Research!America poll of U.S. adults conducted in partnership with Zogby Analytics in January 2019

Cancer

Then. Now. Imagine.

THEN

In the early 1960s, the 5-year survival rate for children with acute lymphoblastic leukemia was less than 10%.

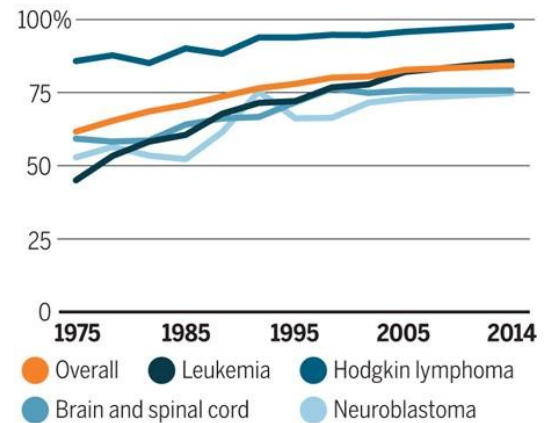
NOW

Thanks to advances in research, the 5-year survival rate for children with acute lymphoblastic leukemia is more than 85%.

IMAGINE

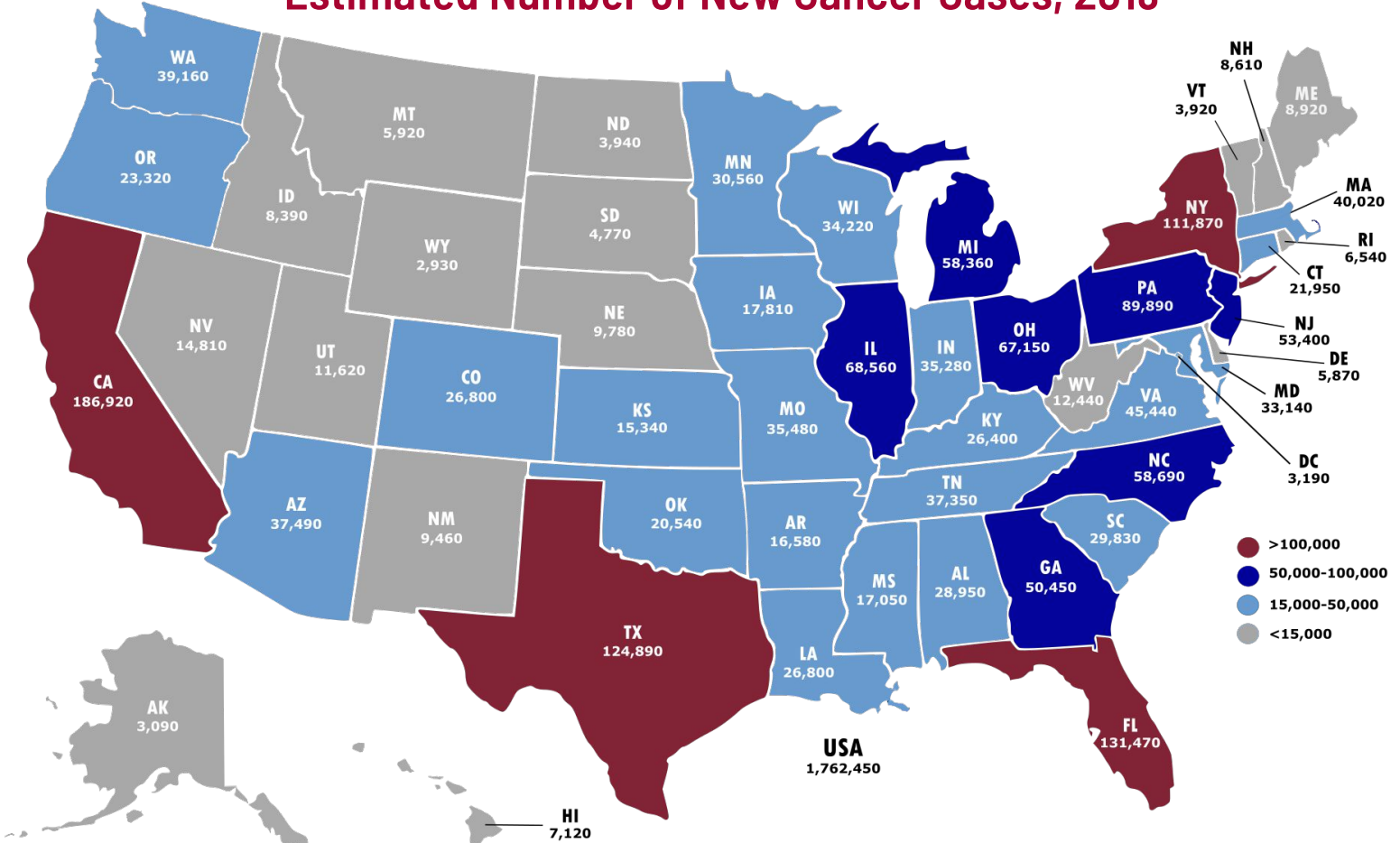
A cure.

Survival 5 years after Childhood Cancer Diagnosis



Source: Cousin-Frankel, "Beyond Survival," 2019.

Estimated Number of New Cancer Cases, 2019



Source: American Cancer Society

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1. "Cancer Facts and Figures." American Cancer Society. 2018.
2. Bray et al., "Global Cancer Statistics, 2018." 2018.
3. "Cancer Statistics." National Cancer Institute.
4. "Cancer Prevalence and Cost of Care Projections." National Cancer Institute.
5. Guy et al., "Estimating The Health And Economic Burden Of Cancer." 2014.
6. "Cancer in the Twenty-first Century." American Cancer Society. 2014.
7. Iorgulescu et al., "Improved Risk-Adjusted Survival for Melanoma." 2018.
8. "Key Statistics for Childhood Cancers." American Cancer Society.
9. "Cancer Linked to Tobacco Use." Centers for Disease Control and Prevention. 2016.
10. "Quitting Smoking." Centers for Disease Control and Prevention. 2017.
11. "Smoking Cessation -- The Economic Benefits." American Lung Association.

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