

Investment in research saves lives and money



facts about:

Cancer

"If you think research is expensive, try disease."

- Mary Lasker 1901-1994

Today:

- In the U.S., it is estimated that more than 1.6 million people developed cancer in 2015, with a lifetime probability of 1 in 2 men and 1 in 3 women being affected.*
- As the second leading cause of death in the U.S., cancer led to approximately 589,000 deaths in 2015, equivalent to more than 1,600 deaths per day.*
- An estimated 10,380 children between ages 0-14 were diagnosed with cancer in 2015, and 1,250 died from the disease.*
- Cancer death rates are highest among African Americans, followed by Caucasians, Native Americans, Hispanics, and Asian Americans.†

The Cost:

- In 2013, the economic burden of cancer, including cancer-related loss of productivity and premature death, totaled \$263.8 billion.†
- In 2013, cancer-related medical costs were nearly \$75 billion.‡
- A study funded by the National Institutes of Health (NIH) estimates that, based on current trends, the annual cost of treating cancer will increase 27% to \$158 billion by the year 2020.†

* AMERICAN CANCER SOCIETY <WWW.CANCER.ORG>

+ CENTERS FOR DISEASE CONTROL AND PREVENTION <WWW.CDC.GOV>

^ AMERICAN ASSOCIATION FOR CANCER RESEARCH <WWW.AACR.ORG>

‡ AGENCY FOR HEALTHCARE RESEARCH AND QUALITY <WWW.AHRQ.GOV>

SAVING LIVES

SAVING MONEY

HOW RESEARCH SAVES LIVES:

- Over the past 40 years, mortality rates for childhood cancer have been reduced significantly, dropping 66% during this time period due to early detection techniques and treatment.*
- In a study funded by the National Cancer Institute, among bone marrow cancer patients receiving a bone marrow transplant, patients taking lenalidomide experienced nearly 60% slower disease progression than those who received a placebo.†

HOW RESEARCH SAVES MONEY:

- 83% of lung cancer cases are directly due to smoking. In a ten year study examining smoking cessation programs, it was estimated that for every dollar spent on the programs, more than five dollars were saved. During this period, over \$1.5 billion was saved due to prevention of hospital visits. This health services research affirms the cost effectiveness of smoking cessation programs to help shape policymaking.†
- Screening 50 to 64 year olds for colorectal cancer could translate into Medicare savings of \$15 billion over 15 years through prevention and reduced treatment costs.‡

survivor:

NAME: Andrea Kramer
AGE: 56
CONDITION: Colorectal Cancer stage III



A physically active mother of two, Andrea started experiencing stomach problems right before a trip overseas. She visited a gastroenterologist where she lives in Rye, New York. Among the tests performed by the gastroenterologist was a colonoscopy he recommended to “rule out some possibilities.” Expecting a diagnosis of colitis, Andrea and her family were shocked to learn that at age 47, she had stage III colorectal cancer.

For the next year, Andrea underwent aggressive treatment, first with radiation and chemotherapy, followed by surgery. After surgery, twenty-six of her lymph nodes tested positive for cancer and further chemotherapy was given. Support from her family and friends and the excellent work of her doctors helped her through this ordeal.

Her experience at the hospitals made her realize that not enough is being done for colon cancer, and “there are not enough people out there raising money or talking about it.” Andrea kept telling herself, “If I survive, I am going to do something.”

In the U.S., colorectal cancer is the second leading cause of cancer death. More research is needed to improve survival rates. Andrea is now raising awareness and funding for colorectal cancer through several organizations including Fight Colorectal Cancer, American Cancer Society, and Colon Cancer Alliance.

“Raising money for colorectal cancer research is what is nearest and dearest to my heart as a survivor.”

* AMERICAN CANCER SOCIETY (WWW.CANCER.ORG).

+ MCCARTHY PL, ET AL. NEW ENGLAND JOURNAL OF MEDICINE. 2012. 366:1770-1781.

† DILLEY JA, ET AL. AMERICAN JOURNAL OF PUBLIC HEALTH. 2012. 102:E22-E28.

‡ NATIONAL COLORECTAL CANCER ROUNDTABLE (WWW.NCCRT.ORG).

facts about: } Cancer

Hope for the Future:

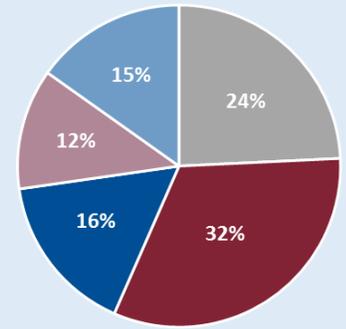
- Precision cancer treatments like immunotherapy have yielded positive results for both adults and children. These treatments help boost the patient's own immune system to fight many types of cancers, including leukemia and colorectal cancer.†
- Genetic information is being used to tailor cancer treatments to individual patients. Through personalized medicine, doctors are able to study the molecular makeup of the patient's cancer, allowing for the identification of therapies and drug treatments that are better suited for the individual.†
- In the U.S., approximately 33,000 human papilloma virus (HPV) associated cancers occur every year with 62% of cases occurring in women. In 2006, the FDA approved a quadravalent HPV vaccine, Gardasil, which protects against four HPV strains, including two that are responsible for an estimated 70% of cervical cancers. The National Cancer Institute predicts that widespread HPV vaccination has the potential to reduce cervical cancer deaths around the world by as much as 67%. In 2014, the FDA approved a nine-valent Gardasil based vaccine, adding protection against five more strains of the virus responsible for various types of cancers.†‡

† NATIONAL CANCER INSTITUTE <WWW.CANCER.GOV>
 ^ CENTERS FOR DISEASE CONTROL AND PREVENTION <WWW.CDC.GOV>
 ○ NATIONAL CANCER INSTITUTE <WWW.CANCER.GOV>
 ‡ U.S. FOOD AND DRUG ADMINISTRATION <WWW.FDA.GOV>

National Poll:

More than half willing to pay up to \$50 per year more in taxes for cancer research:

How much of a tax increase would you be willing to pay to support cancer research?



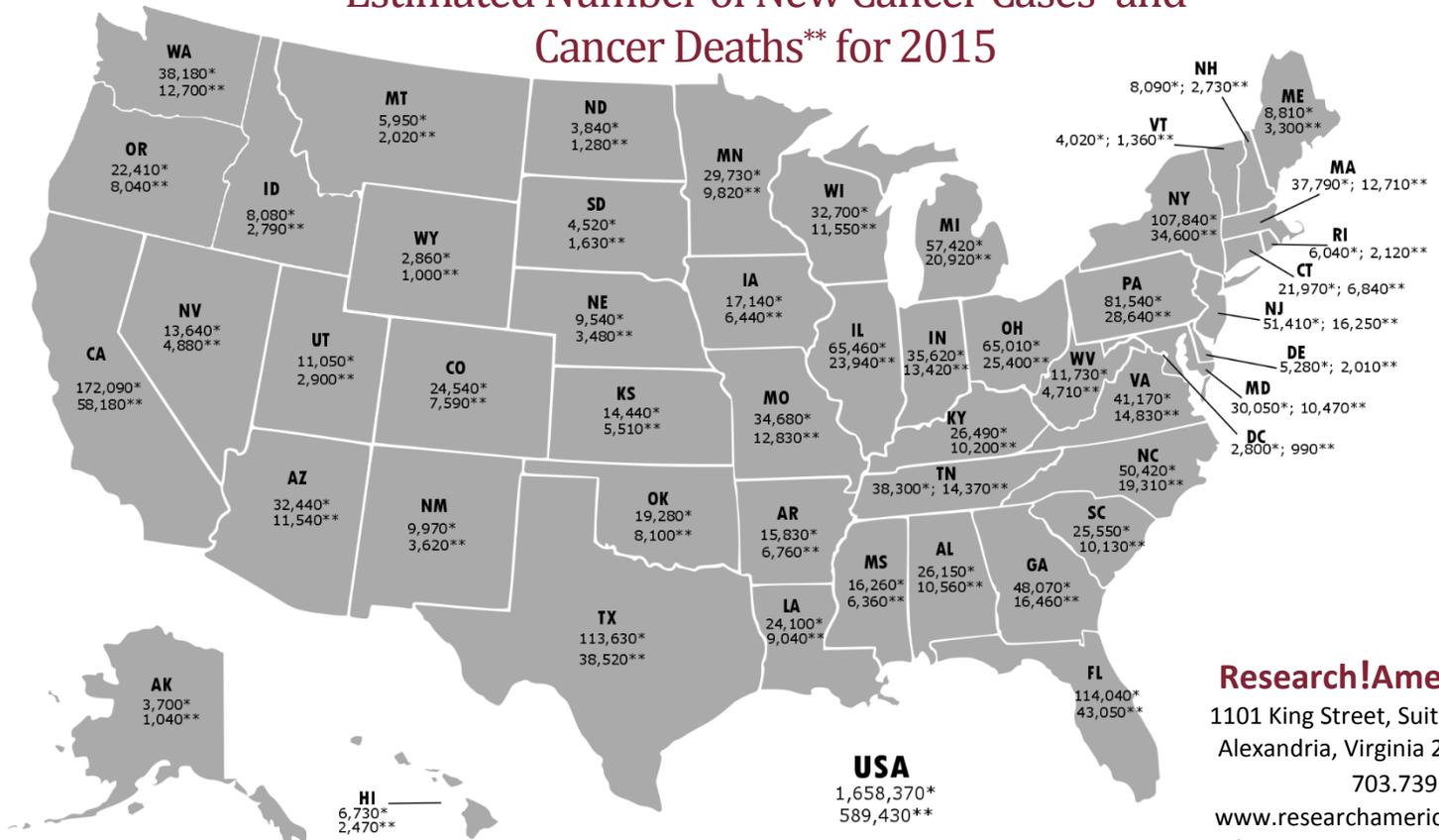
- Less than \$25 per year
- \$25-\$50 per year
- \$51-\$100 per year
- More than \$100 per year
- Not sure

A NATIONAL RESEARCH!AMERICA POLL OF LIKELY VOTERS CONDUCTED IN PARTNERSHIP WITH ZOGBY ANALYTICS IN JANUARY 2016

The Bottom Line:

Research offers the best defense against the staggering toll cancer takes on American lives and on our economy. Cancer research is providing insight into targeted treatment options that can reduce costly ineffective care. Also, research is discovering new tools to achieve a higher rate of early diagnosis which can reduce costs by improving survival rates. Continued funding is crucial as researchers make amazing progress in combating the spectrum of cancers that place Americans at risk.

Estimated Number of New Cancer Cases* and Cancer Deaths** for 2015



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SOURCE: AMERICAN CANCER SOCIETY CANCER FACTS AND FIGURES 2015

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