

Investment in research saves lives and money



facts about:

Cancer

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

— Mary Lasker 1901–1994

Today:

- Cancer is the leading cause of death for Americans under age 85 and the second leading cause of death overall.
- In 2007, approximately 1.4 million Americans will be diagnosed with cancer.
- More than 1,500 Americans die every day from cancer.
- More than 75 percent of all cancers are diagnosed at ages 55 and older.
- In the United States, men have approximately a 1 in 2 lifetime risk of developing cancer and women have a 1 in 3 risk.

SOURCE: AMERICAN CANCER SOCIETY (WWW.CANCER.ORG)

The Cost:

- The National Institutes of Health estimates overall costs for cancer in 2006 at \$206 billion: \$78 billion for direct medical costs; \$128 billion for low productivity and premature death.*
- On average, each person who dies from cancer loses an estimated 15 years of life. Collectively, 8.7 million years of life are lost annually because of cancer.**

SOURCE: *NATIONAL INSTITUTES OF HEALTH (WWW.NIH.GOV)

**NATIONAL CANCER INSTITUTE, CANCER TRENDS PROGRESS REPORT (PROGRESSREPORT.CANCER.GOV)

SAVING LIVES
SAVING MONEY

HOW RESEARCH SAVES LIVES:

- Due to improved prevention, early detection and treatment, cancer death rates decreased on average 2.1% each year between 2002 and 2004, following annual decreases of 1.1% since 1993.
- Research has proven that human papillomavirus (HPV) vaccines protect against persistent infection by the two types of HPV that cause approximately 70% of cervical cancer cases worldwide.**
- Annual CT screening of patients at risk for lung cancer can detect the disease at its earliest stage. If treated promptly, 92% of patients could expect to live 10 years.***

SOURCE: *ESPEY, D.K. ET AL. CANCER. 2007.

**CENTER FOR DISEASE CONTROL AND PREVENTION (WWW.CDC.GOV/VACCINES)

*** INTERNATIONAL EARLY LUNG CANCER ACTION PROGRAM. NEW ENGLAND JOURNAL OF MEDICINE. 2006; 355:1763-1771.

HOW RESEARCH SAVES MONEY:

- A 1% reduction in deaths from cancer would be worth \$500 billion, about 2.5 times the annual cost of the disease in the U.S.*

SOURCE: *MURPHY, K.M. AND TOPEL, R.H. JOURNAL OF POLITICAL ECONOMY. 2006; 114: 871-904.

survivor



NAME: BEN DACUS

AGE: 46

DISEASE: HODGKIN'S DISEASE

STAGE: 2B

Knowing that his disease had a high cure rate, Ben Dacus felt a sense of security at a time of great uncertainty. In 1988 he was diagnosed with Hodgkin's disease.

Strangely enough, Ben's reaction to his diagnosis was one of relief.

"I was relieved to know my illness had a name, and because of the high cure rate, I never really feared that I was going to die. Hodgkin's had a long history of research, and doctors had been treating it successfully for many years."

Hodgkin's is a form of lymphoma. This year, an estimated 71,380 new cases of lymphoma will be diagnosed, more than 8,000 of which will be Hodgkin's disease.

When radiation treatments didn't work, Ben was devastated. But to his relief chemotherapy afforded him a rapid recovery.

Looking back on his illness, Ben says he is thankful for medical research. "It didn't occur to me at the time I was going through treatment to consider how medical research had brought treatment methods to the point it had. But I was thankful to live in a day and age when cancer is treatable. If it had been the 1950s, I would have died four years later."

On January 6, 2007, Ben, 46, his wife and their two children marked Ben's 17th year as a cancer survivor. His message to patients: keep your faith, take it one day at a time and understand your illness by asking questions. To the research community: remember that education and prevention are just as important as discovery.

facts about: } Cancer

Hope for the Future:

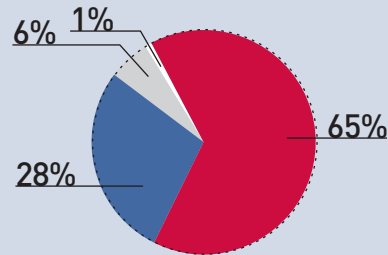
- NCI launched the Community Cancer Centers Program to bring the latest cancer care, therapies, and clinical research to a larger, more diverse population of cancer patients through local clinics and hospitals. The pilot program goals include reducing cancer care disparities and expanding use of electronic health records.
- The Cancer Genome Atlas is a collaborative effort at NIH to catalogue the genetic changes that occur in cancers. This genetic map will provide cancer researchers with new insights into the origins of cancer, which in turn could revolutionize the diagnosis, treatment, and prevention of cancer.

SOURCE: *NATIONAL CANCER INSTITUTE (WWW.CANCER.GOV)
 **THE CANCER GENOME ATLAS (CANCERGENOME.NIH.GOV)

All Americans Should Have Access to Advanced Technologies

For a variety of reasons, not all Americans have access to advanced medical technologies, such as cutting-edge imaging and diagnostics. How important is it that these technologies are made available to all Americans?

- Very
- Somewhat
- Not
- Don't know

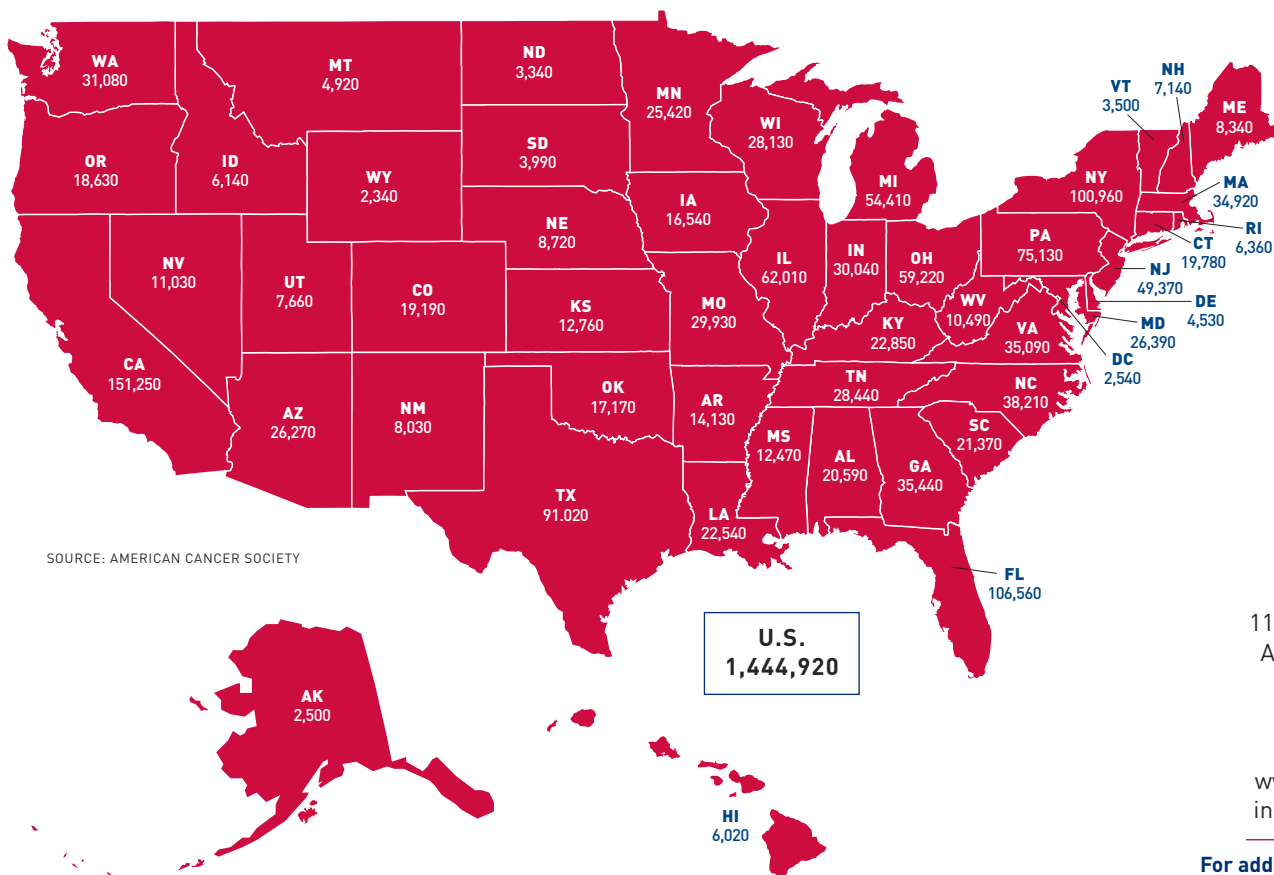


SOURCE: TAKING OUR PULSE: THE PARADE/RESEARCH!AMERICA HEALTH POLL CHARLTON RESEARCH COMPANY, 2006

The Bottom Line:

Today's research is the foundation of tomorrow's cancer cures. Investing in research will provide better treatments, prevent disease and disability, and ultimately, lead to longer, more productive lives for more Americans.

Estimated Number of New Cancer Cases for 2007



SOURCE: AMERICAN CANCER SOCIETY

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Lasker/Funding First is a founding partner in this series of fact sheets. Lasker/Funding First is the medical and health research policy program of the Mary Woodard Lasker Charitable Trust. www.laskerfoundation.org