

Research in Washington

Grants in effect January 2007

Institution

Children's Hospital & Regional Medical Center

1 grant totaling \$12,000

Fred Hutchinson Cancer Research Center

4 grants totaling \$586,000

Institute for Systems Biology

1 grant totaling \$90,500

University of Washington

10 grants totaling \$3,541,000

Washington State University

2 grants totaling \$900,000

Total ACS Research Grants in Washington:

18 grants totaling \$5,129,500

Great West Division Total

Grants 75 Amount \$33,410,878

Nationwide Total

Grants 854 Amount \$431,752,705

Since 1946 the American Cancer Society has invested \$3 billion into cancer research.

Help by the Numbers

On average each week the American Cancer Society provides the following services and programs to reduce the impact of cancer in Washington...

- 7,575 visits are made by Washington residents to our Web site at www.cancer.org
- 565 sessions are attended on our on-line Cancer Survivors Network at www.acscsn.org by cancer patients living in Washington
- 260 Washington residents contact the American Cancer Society via our 24-hour information line at 1-800-ACS-2345
- 91 Washington residents receive cancer patient related information or services from the American Cancer Society
- 14 visits to breast cancer patients are made by our Reach to Recovery Volunteers.
- 15 trips transporting cancer patients to treatment are provided by American Cancer Society Road to Recovery volunteers and other transportation programs in Washington
- 6 gift items such as wigs, prostheses, and turbans are provided to cancer patients living in Washington
- 16 free hotel rooms are provided through our guest room or Hope Lodge program to cancer patients and their families traveling long distances for treatment in Washington

MAKING A DIFFERENCE WASHINGTON



2007

Our mission to eliminate cancer is as urgent as ever

- An estimated 1,444,920 people will be diagnosed with cancer in 2007 – 31,080 right here in Washington
- 559,650 cancer deaths are estimated in 2007 – 11,370 here in Washington
- Cancer is the second leading cause of death in the United States, second to heart disease, 1 of every 4 deaths is from cancer
- The cost is staggering – in 2006 the overall cost for cancer in the United States is estimated at \$206.3 billion due to medical expenses and lost productivity

There is Hope

- The five-year survival rate is now 66 percent. The world is seeing a significant reduction in cancer incidence and mortality, in large part due to our efforts.
- 1/3 of all cancer deaths are caused by tobacco – and could be completely prevented
- 1/3 of all cancer deaths are related to nutrition, physical activity, obesity and other lifestyle factors – and could also be prevented
- 86 percent of cancers caught early by regular screening examinations are treated successfully, resulting in survival

Breakthroughs in Research

Your American Cancer Society has spent more than \$3 billion on cancer research in the United States since 1946. Major scientific breakthroughs in the last 15 years have changed how we think about cancer. Today, 66 percent of people diagnosed with cancer survive the disease. Only 50 years ago those odds were much worse – in 1946, only one in four survived. The American Cancer Society dedicates more money to research than any other not-for-profit, non-government funder of cancer research in the United States. The American Cancer Society has been involved in many of the major cancer research breakthroughs of the 20th century:

- Cure for childhood leukemia with combination chemotherapy
- Pap smear to detect cervical cancer
- Mammography to screen for breast cancer
- Lumpectomy + radiation for treatment of breast cancer
- PSA test for prostate cancer screening
- 5-FU (chemotherapy) for colon cancer
- Identification of smoking as cause of lung cancer
- Creation of recombinant DNA and gene cloning
- Discovery of cancer-causing oncogenes and tumor suppressor genes
- Discovery of genes for inherited breast and colon cancer
- Use of tamoxifen to reduce risk of second or first breast cancer
- Development of monoclonal antibodies to treat breast cancer and lymphoma
- Use of small molecule inhibitors such as Gleevec for treatment of chronic myeloid leukemia

American Cancer Society Nobel Laureates

The American Cancer Society is justly proud of the 40 investigators we supported before they went on to win the Nobel Prize, considered the highest accolade any scientist can receive. This is a tribute to the American Cancer Society's Research Program and the strength of its peer-review process. These scientists range from James Watson, Ph.D., whose discovery with Francis Crick, M.D., of the structure of DNA was the cornerstone of modern molecular biology, to E. Donnall Thomas, M.D., the father of bone marrow transplantation.