



## **National Institutes of Health (NIH) and National Cancer Institute (NCI)**

**As a member of Congress, we urge you to show a strong commitment to funding for the NIH in FY 2016 with a recommendation of at least \$32 billion including \$5.32 billion for the NCI.**

**These investments are necessary to:**

- 1. Ensure that the momentum in scientific discovery achieved over the past few years will continue to yield important advances in patient care, and**
- 2. Restore lost purchasing power and mitigate the devastating impact of the direct budget cuts in 2011 and 2013 that slashed NIH funding.**

### **Cancer: An Expensive Disease. Biomedical Research: A Wise Investment**

- Cancer is the second most common cause of death in the United States. It is projected that more than 589,000 people will die this year in the U.S. from cancer – more than 1,600 people each day.
- An estimated 1.65 million Americans will be diagnosed with cancer in 2015 – 1 in 3 women and 1 in 2 men will likely develop cancer in their lifetimes.
- The NIH estimates that the overall costs of cancer in 2013 were \$263.8 billion: \$124.6 billion for direct medical costs (the total of all health expenditures) and \$139.2 billion for indirect mortality costs (due to lost productivity due to premature death).
- Cancer is not unique to America – it is a global problem. Cancer incidence worldwide is expected to increase from 12.8 million new cases in 2008 to 22.2 million in 2030.

### **NIH Research Saves and Improves Lives**

- NIH and NCI research is revolutionizing the way cancer is prevented, detected, and treated, transforming many forms of cancer from a death sentence into a manageable chronic disease.
- In 2014, the NCI reported there are now more than 14.5 million Americans who are cancer survivors—four times the number in the mid-1970s.
- The five-year survival rate among adults for all cancers diagnosed in 2004-2010 is 68 percent, which is up from 49 percent in 1975-1977. Survival rates for childhood cancer have increased by 66% over the past four decades.
- We are moving away from an era of one-size-fits-all cancer care to the exciting realm of precision medicine, or tailored therapy, where the molecular makeup of the patient and the tumor will dictate the best therapeutic strategy.

### **NIH/NCI Research Creates Jobs and Spurs Economic Growth**

- NIH supports the work of more than 432,000 researchers and personnel at more than 3,000 universities, medical schools, medical centers, teaching hospitals, small businesses and research institutions in every state.
- The \$3.8 billion the U.S. government invested in the Human Genome Project from 1988-2003 helped drive \$796 billion in economic output and the generation of \$244 billion in total personal income.
- A recent United for Medical Research report estimated that a 1 percent reduction in mortality from cancer would deliver roughly \$500 billion in net present benefits, while a cure would deliver \$50 trillion in present and future benefits

## NIH/NCI Research Ensures that the U.S. Continues to Lead in the Life Sciences

- Federal investment in cancer research has positioned the U.S. as the world leader in the fight against cancer. Failure to invest in biomedical innovation and discovery threatens America's capacity to compete in the global economy.
- The U.S. R&D investment as a percentage of gross domestic product (GDP) has leveled off in the past decade. At the same time, other nations are increasing their investment, most substantially from Japan, South Korea and China.

## The NIH Funding and Biomedical Inflation Discrepancy

