

New Charge to the SMRB: Value of Biomedical Research

Francis S Collins, MD, PhD

Director, NIH

July 11, 2012



Benefits of NIH-supported Biomedical Research

Improves public health

Stimulates economic gains

Advances scientific knowledge

Strengthens the biomedical workforce



Impact of NIH-supported Biomedical Research

In the last 25 years, NIH-supported biomedical research has led to human health benefits that both extend lifespan and reduce illness.

Examples Include:

- ***Prolonging Life and Reducing Disability:*** A baby born today can look forward to an average lifespan of nearly 79 years – nearly three decades longer than a baby born in 1900.
- ***Increasing Survival Rates for Breast Cancer:*** The five-year survival rate for breast cancer has risen from 75 percent in the mid-1970s to over 90 percent today.
- ***Lessening the burden of HIV/AIDS:*** Tremendous progress in treatment and prevention research is enabling the world to imagine achieving an AIDS-free generation.
- ***Increasing Survival Rates for Childhood Leukemia:*** Survival rates for children with the most common childhood leukemia (acute lymphocytic leukemia) is now 90 percent.



NIH'S ROLE IN SUSTAINING THE U.S. ECONOMY

A 2011 Update Authored by Dr. Everett Ehrlich



National Institutes of Health

NIH...Turning Discovery Into Health

[Health Information](#)[Grants & Funding](#)[News & Events](#)[Research & Training](#)[Institutes at NIH](#)[About NIH](#)[NIH Home](#) > [About NIH](#)

IMPACT

Impact

[Our Health](#)[Our Economy](#)[Our Communities](#)[Our Knowledge](#)[News](#)[Toolbox](#)

Impact of NIH Research



NIH is the leading supporter of biomedical research in the world. This research has had a major positive impact on nearly all of our lives by improving human [health](#), fueling the U.S. [economy](#), and creating jobs in our [communities](#).

Due in large measure to NIH research, a baby born in the United States today can expect to live to nearly age 79—about three decades longer than one born in 1900. Not only are we living longer, but our quality of life is improving. Over the last quarter century, the proportion of older people with chronic disabilities has dropped by nearly one-third.

NIH also drives job creation and economic growth. NIH research funding directly supports hundreds of thousands of American jobs and serves as a foundation for the medical innovation sector, which employs 1 million U.S. citizens.



New Charge: Value of Biomedical Research

**NIH requests that the SMRB identify
appropriate parameters and
approaches for assessing and
communicating the value of biomedical
research (VOBR) supported by NIH.**

New Charge: Value of Biomedical Research (cont.)

Specifically, the SMRB is asked to:

- **Analyze current strategies for assessing the value of biomedical research, examining both national and international methodologies;**
- **Evaluate the strengths and weaknesses of both extant and potential approaches for evaluating the value of biomedical research; and**
- **Identify fundamental principles that should guide any comprehensive and rigorous approach for assessing the value of biomedical research.**



NIH...

Turning Discovery Into Health

