- What is the return on the American people’s investment in the National Institutes of Health?
- What has the NIH budget doubling delivered?
- What is the NIH strategy for the future?
Biomedical Research Has Delivered Coronary Heart Disease

- 63% decrease in Mortality
- ~ 1 million early deaths averted per year
- $2.6 trillion in economic return
- New, effective treatments and prevention strategies
Biomedical Research Has Delivered Coronary Heart Disease

- 63% decrease in Mortality
- ~ 1 million early deaths averted per year
- ~ 2.6 trillion in economic return
- New, effective treatments and prevention strategies

Average investment per American:
~ $3.70 per year

30-year investment per American:
~ $110 Total
Biomedical Research Has Delivered Cancer

- For the first time in recorded history, annual cancer deaths in the United States have fallen
- 10 million survivors
- Advent of early detection and screening
Biomedical Research Has Delivered Cancer

For the first time in recorded history, annual cancer deaths in the United States have fallen.

- 10 million survivors
- 50% decrease in cancer deaths
- Test of early detection and screening

Average investment per American:

\[ \sim$8.60 \text{ per year} \]

30-year investment per American:

\[ \sim$260 \text{ Total} \]
Biomedical Research Has Delivered Americans Live Longer, Healthier Lives

- Improvements in:
  - Recovery from heart disease, stroke
  - Deafness
  - Vision impairment
  - Osteoporosis
  - Arthritis
Biomedical Research Has Delivered

Improvements in:
- Recovery from heart disease, stroke
- Deafness
- Vision impairment
- Osteoporosis
- Arthritis

Since 1982, disability rate for elderly Americans declined by 30%

In past 30 years, American life expectancy increased by ~6 years
Biomedical Research Is Delivering
NIH Advances in the Past Year

- **Genomics:**
  - Identified >20 genes influencing diseases, including:
    - Prostate Cancer
    - Obsessive Compulsive Disorder
    - Age-related Macular Degeneration

- **Vaccines:**
  - First “global” HIV/AIDS vaccine
  - First Cervical Cancer vaccine
  - Expanded Avian Flu vaccine clinical trails
Biomedical Research Must Deliver
Challenge of Rising U.S. Health Expenditures


$7100 per American
in 2006 healthcare costs

$95 per American
in 2006 NIH investment

Annual U.S. Health Expenditures per capita
Biomedical Research Will Deliver
Transforming Medicine through Discovery

Predictive ↔ Personalized ↔ Preemptive

Participatory
NIH: Transforming medicine through discovery