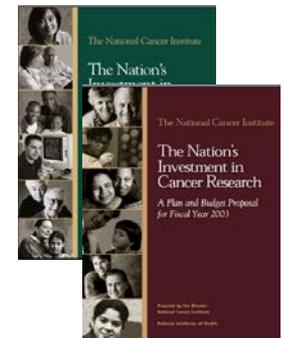


# *The Nation's Investment in Cancer Research*

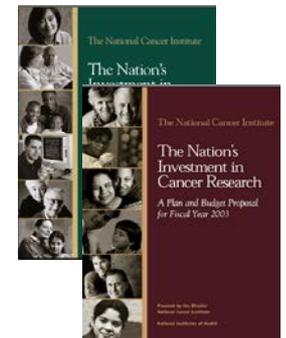
## **The National Cancer Institute's Bypass Plan and Budget FY 2004**

**Cherie Nichols  
Office of Science Planning and  
Assessment, NCI**

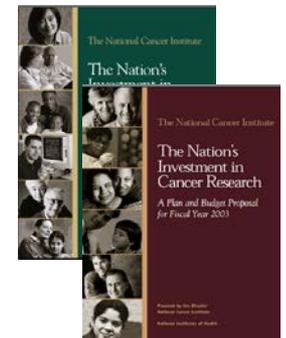
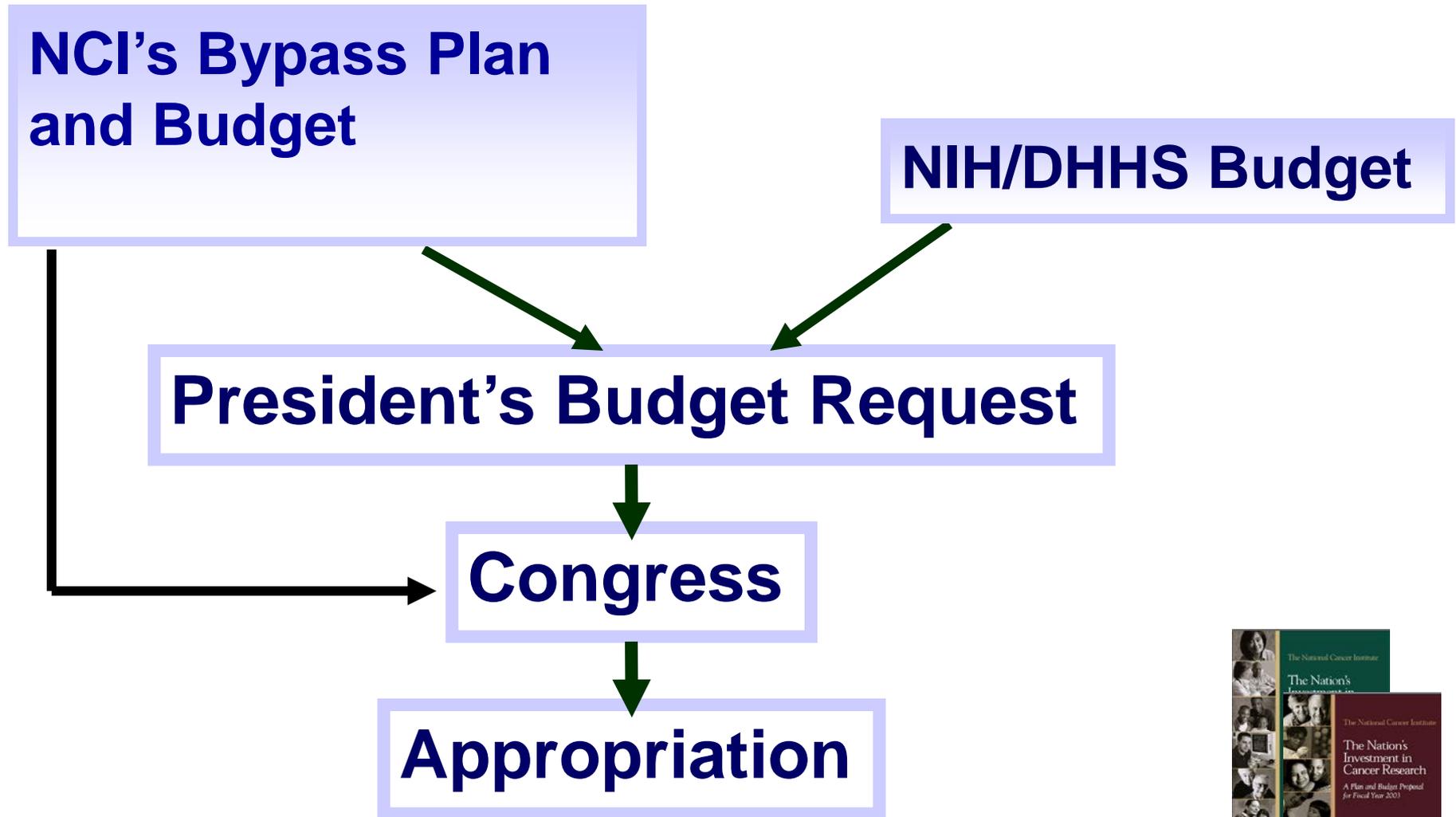


# Covered in this Presentation

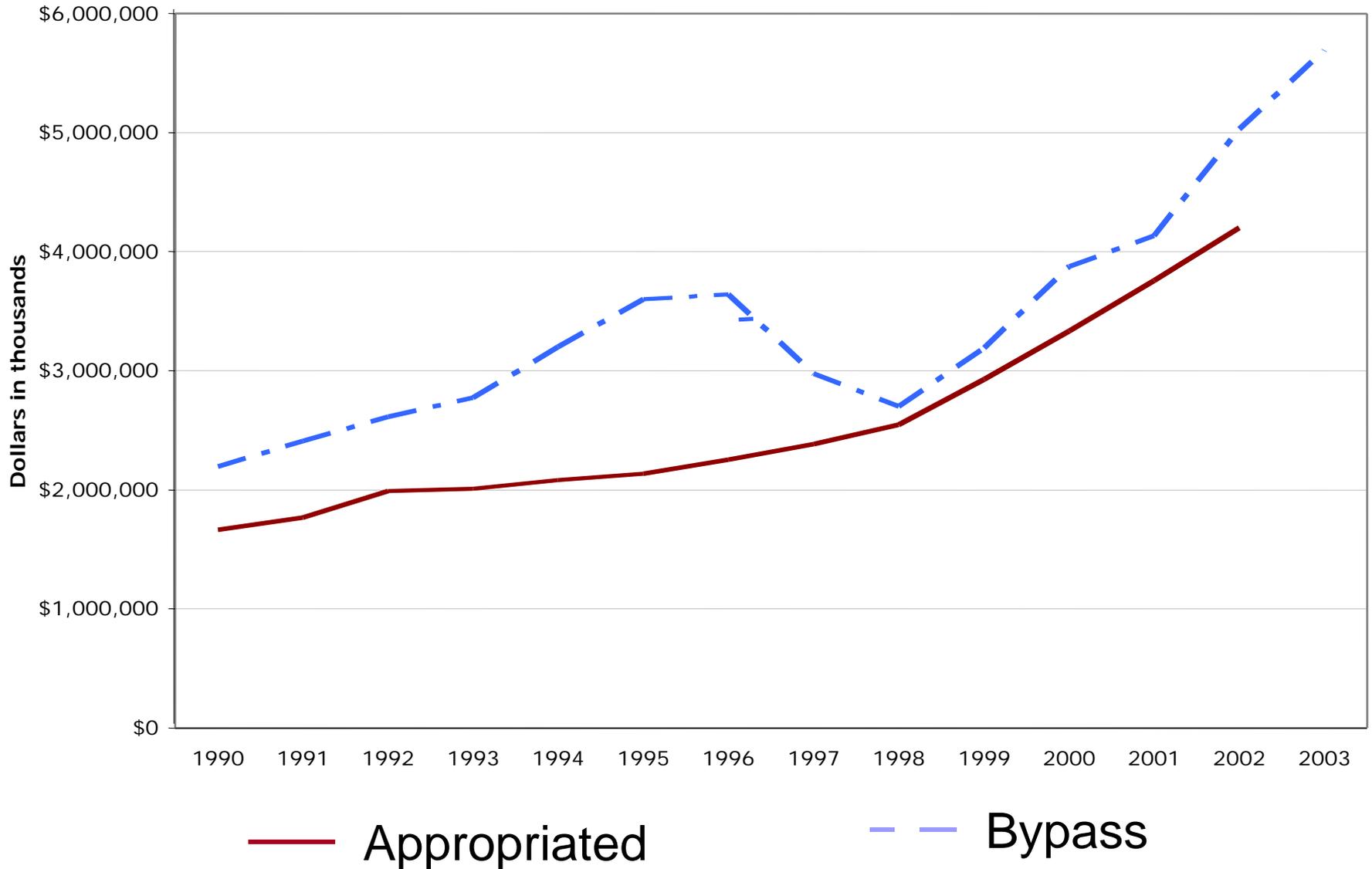
- **The Setting**
- **FY 2004 Bypass Plan and Budget**
- **Thinking Ahead to FY 2005 and Beyond**



# How We Get Funded: The Setting



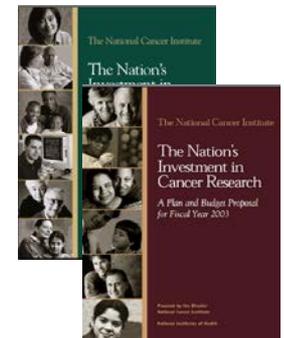
# Bypass Requests and Appropriations of the NCI 1990-2003



# *The Nation's Investment in Cancer Research*

## **NCI's Bypass Plan and Budget**

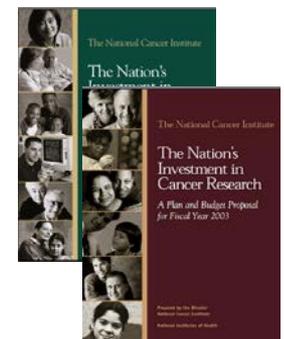
- **Provides a blue print – a national strategy to reduce the burden of cancer:**
  - **What we need to discover, develop and apply**
  - **How we do it**
  - **Where we are making progress**
  - **What resources are needed**
- **Focal point for planning and priority setting**
- **Provides a framework to galvanize the cancer research community**



# ***The Nation's Investment in Cancer Research***

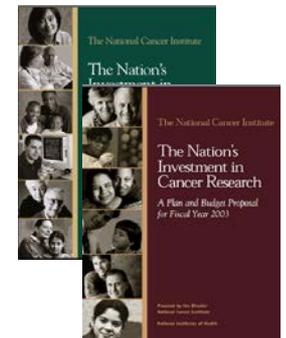
## **NCI's Bypass Plan and Budget**

- **President and Congress**
- **Advisory groups**
- **NCI staff**
- **Research community**
- **Professional organizations**
- **Cancer information, education, and advocacy organizations**
- **Public and private policy makers**
- **Government and industry partners**



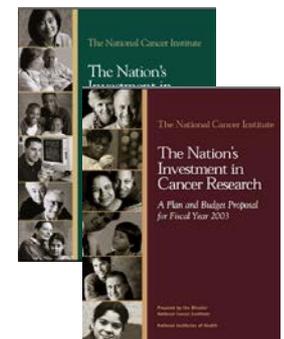
# Covered in this Presentation

- The Setting
- **FY 2004 Bypass Plan and Budget**
- Thinking Ahead to FY 2005 and Beyond



# *The Nation's Investment in Cancer Research: Four Approaches for FY 2004*

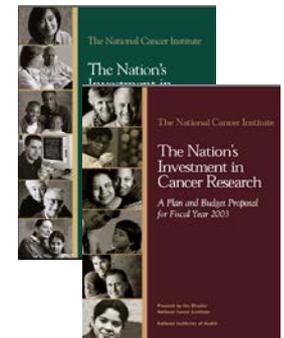
- **Building Cancer Research Capacity**  
**NCI's Challenge**
- **Advancing Discovery and Application**  
**Extraordinary Opportunities for Investment**
- **Addressing Areas of Special Concern**  
**Public Health**
- **Research on Specific Cancer Types**  
**Planning National Agendas for  
Disease-Specific Research**



# ***The Nation's Investment in Cancer Research: The Plan***

## **FY 2004 Building Cancer Research Capacity areas include:**

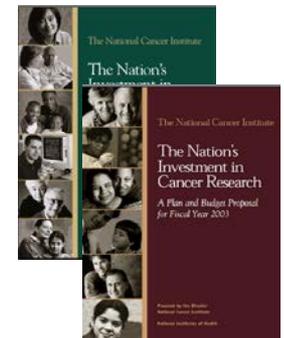
- Enhancing Investigator-Initiated Research**
- Expanding the Capacity of Centers,  
Networks, & Consortia**
- National Clinical Trials Program in  
Treatment and Prevention**
- Developing Bioinformatics for Cancer  
Research**



# *The Nation's Investment in Cancer Research:* The Plan

## FY 2004 Extraordinary Opportunities include:

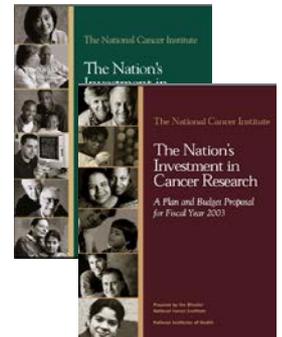
- **Genes and the Environment**
- **Signatures of the Cancer Cell and Its Tumor Microenvironment**
- **Cancer Imaging and Molecular Sensing**
- **Molecular Targets of Prevention & Treatment**
- **Cancer Communications**



# *The Nation's Investment in Cancer Research:* The Plan

FY 2004 Areas of Special Concern include:

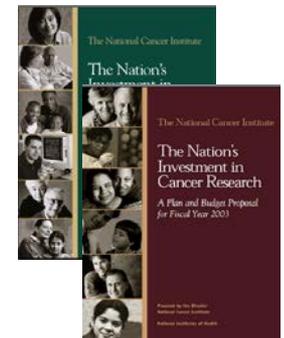
- Research on Tobacco & Tobacco-Related Cancers
- Improving the Quality of Cancer Care
- **Survivorship: Improving Treatment Outcomes and Quality of Life**
- Reducing Cancer-Related Health Disparities



# ***The Nation's Investment in Cancer Research: The Plan***

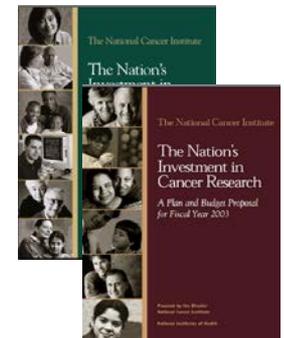
## **FY 2004 Areas of Research on Specific Cancers include:**

- Gynecologic Cancers**
- Lung Cancer**
- Kidney and Bladder Cancer**



# How the Community Participated in Development of the FY 2004 Bypass Plan

- Extraordinary Opportunities solicitation
- PRG process
- Bypass external review
- Informal ideas from NCI advisory groups, both standing and ad hoc
- Substantial input from NCI staff, many of whom talk regularly with members of the cancer community



# Solicitation for FY 2004 New Extraordinary Opportunities

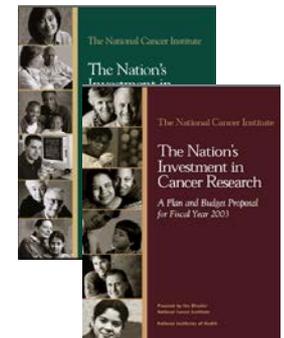
## Brochure Distribution to About 8,000

- Sent with targeted letters to wide distribution
  - NCI staff
  - Advisory groups
  - Professional organizations
  - Advocacy organizations
  - Grantees
- Distributed at meetings and by other organizations



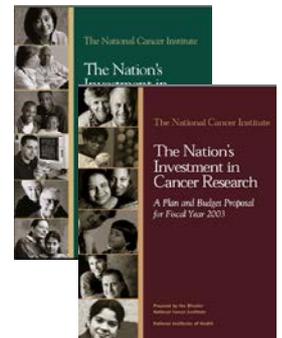
# Solicitation for FY 2004 New Extraordinary Opportunities: Results

- **37 Suggestions for New Areas**
  - **Tumor Microenvironment**
  - **Cancer and the Immune System**
  - **Aging and Cancer**
  - **Cancer Survivorship**
  - **Palliative Care**
  - **Physical Activity and Exercise**
  - **Biosensors and Nanotechnology**
- **5 Letters Endorsements on Tobacco Investment Area**



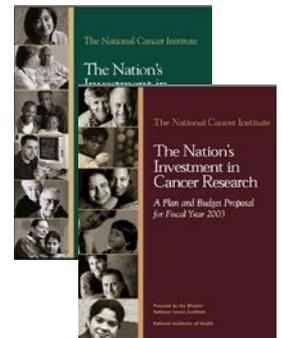
# Solicitation for FY 2004 New Extraordinary Opportunities: Application

- **Tumor Microenvironment**  
Refocused and expanded the Signatures EO
- **Cancer Survivorship**  
Established as a new investment area
- **Cancer and the Immune System**  
Added new objectives to Microenvironment and Molecular Targets EOs
- **Aging and Cancer**  
Added a feature article that describes the issues and research



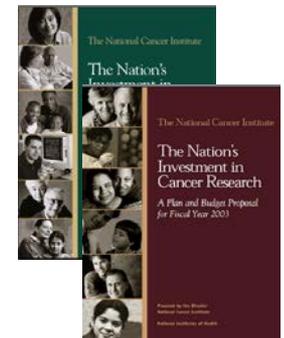
# FY 2004 New Extraordinary Opportunity: Application

- **Palliative Care**  
Added a new objective in Quality of Cancer Care
- **Physical Activity and Exercise**  
Clarified information in Genes and the Environment
- **Biosensors and Nanotechnology**  
Added new objectives in Cancer Imaging, Molecular Targets, and Microenvironment



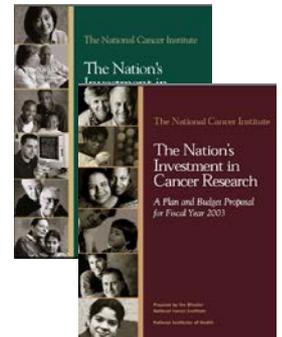
# PRG Themes Addressed in NCI Challenge Initiatives

- Cross-disciplinary collaborations and consortia focused on disease-specific research
- Enhanced bioinformatics
- Disease-specific training and career development opportunities
- Tissue resources
- Preclinical models



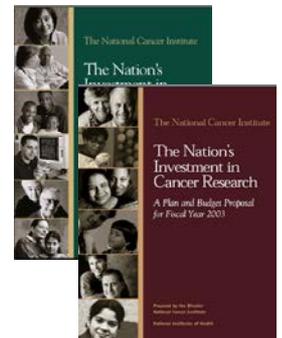
# PRG Themes Addressed in Extraordinary Opportunity Initiatives

- Genetic and environmental factors and their interactions
- Molecular pathways and cellular interactions
- Molecular profiling
- Molecular targeted therapy
- Improved imaging
- Outcomes studies and cohort registries
- Provider and patient education



# Bypass 2004 External Review: Solicitation and Results

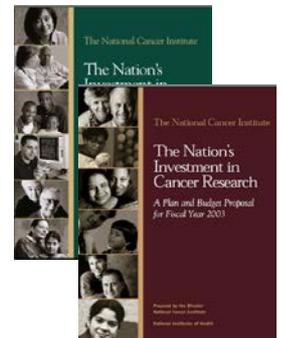
- Solicitation went to over 200 individuals and organizations
  - NCAB, BSA, BSC, PCP, and DCLG members
  - Cancer Center and SPORE directors
  - PRG chairs
  - 100 professional and advocacy organization representatives
  - Other interested parties
- We received a total of 36 responses



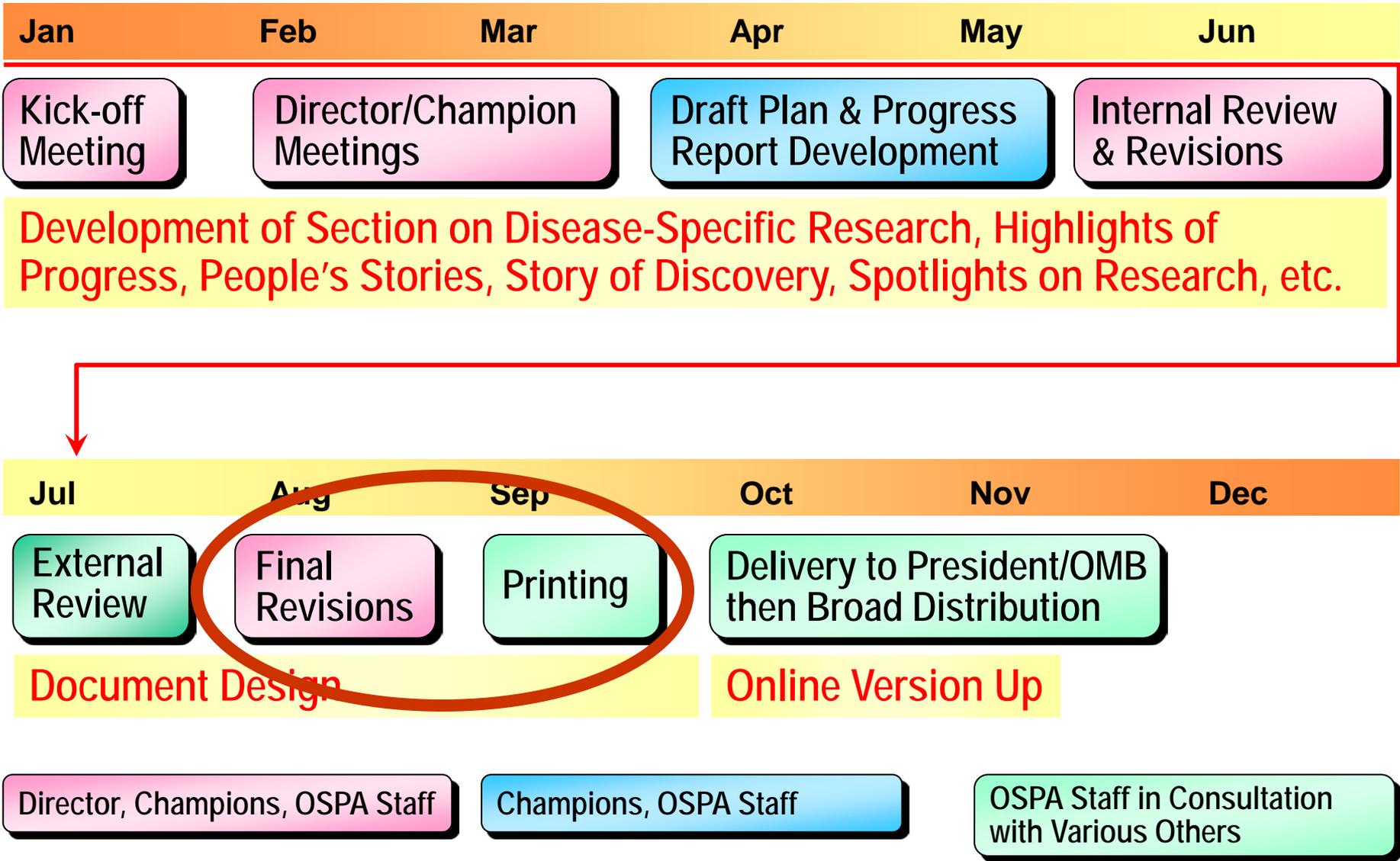
# Bypass 2004 External Review: Application

**We have made changes to make the document better**

- Added new objectives and milestones**
- Described connections among our various priority areas**
- Changed narrative throughout to reflect concerns expressed through the review**

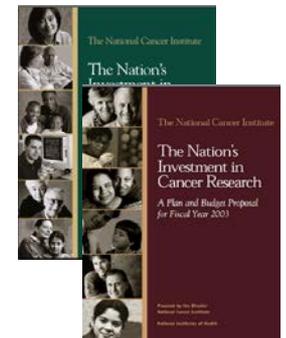


# NCI Strategic Planning Model: Bypass Budget Annual Development Process



# Covered in this Presentation

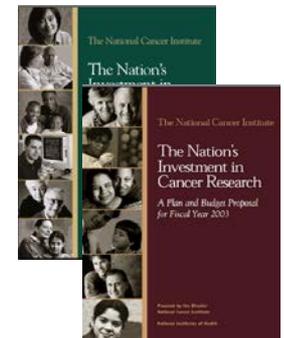
- The Setting
- FY 2004 Bypass Plan and Budget
- Thinking Ahead to FY 2005 and Beyond



# Increasing Meaningful Involvement in the Planning Process

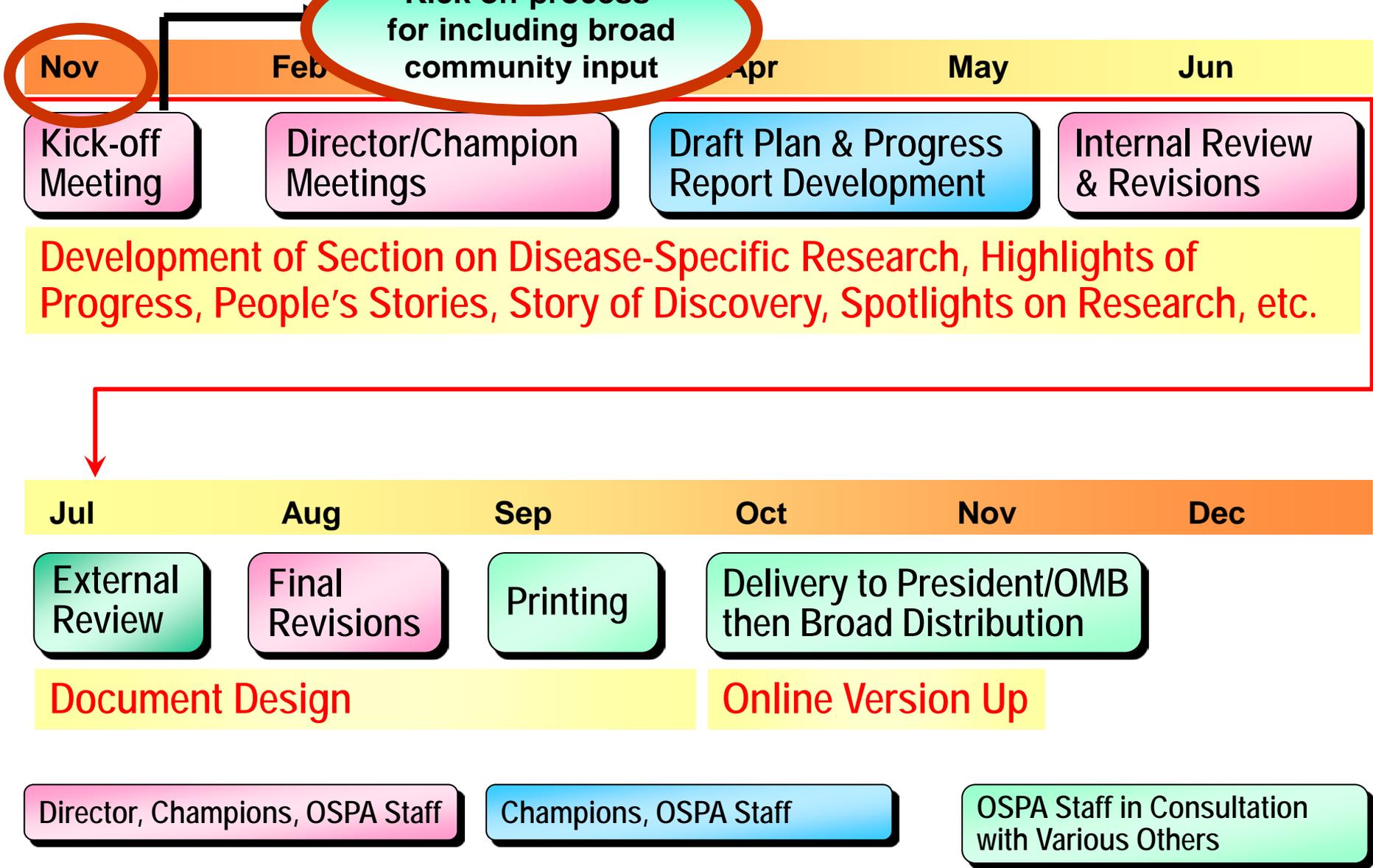
## The Need

- Establish a broad-based, systematic process
- Establish a climate of partnership for both planning and implementation
- Solicit *contributions in formulation stage* in addition to *external review stage*
- Bring diverse perspectives to the table
- Ensure that people have ample opportunity to respond



# NCI Strategic Planning Model: Bypass Budget

## Annual Development Process



# Increasing Meaningful Involvement in the Planning Process

## ■ Our Thoughts

- EO-like process for other investment areas
- "NCI Listens" sessions and town meetings
- Professional societies
- Federal Register Notice
- Expert panels
- Electronic communication

## ■ Your Thoughts???

