

# NCI Clinical Trials Portfolio Inventory FY 2011

Division of Extramural Activities

July 10, 2013

# NCI Clinical Trials Portfolio Inventory FY 2011

At the March 2012 Clinical Trials Advisory Committee (CTAC) meeting, CTAC requested that DEA's Research Analysis Evaluation Branch (RAEB) conduct an inventory of NCI clinical trials expenditures for FY2011.

# NCI Clinical Trials Portfolio Inventory FY 2011

- This report includes:
  - Intramural and extramural clinical trials funding
  - NCI divisions, offices, and centers
  - Clinical trials categories (Prevention, Diagnosis, Therapy, and Other)
  - Allocation categories (funding mechanisms)
  - Major anatomical sites
  - Geographic location
  - Overall NCI clinical trials funding

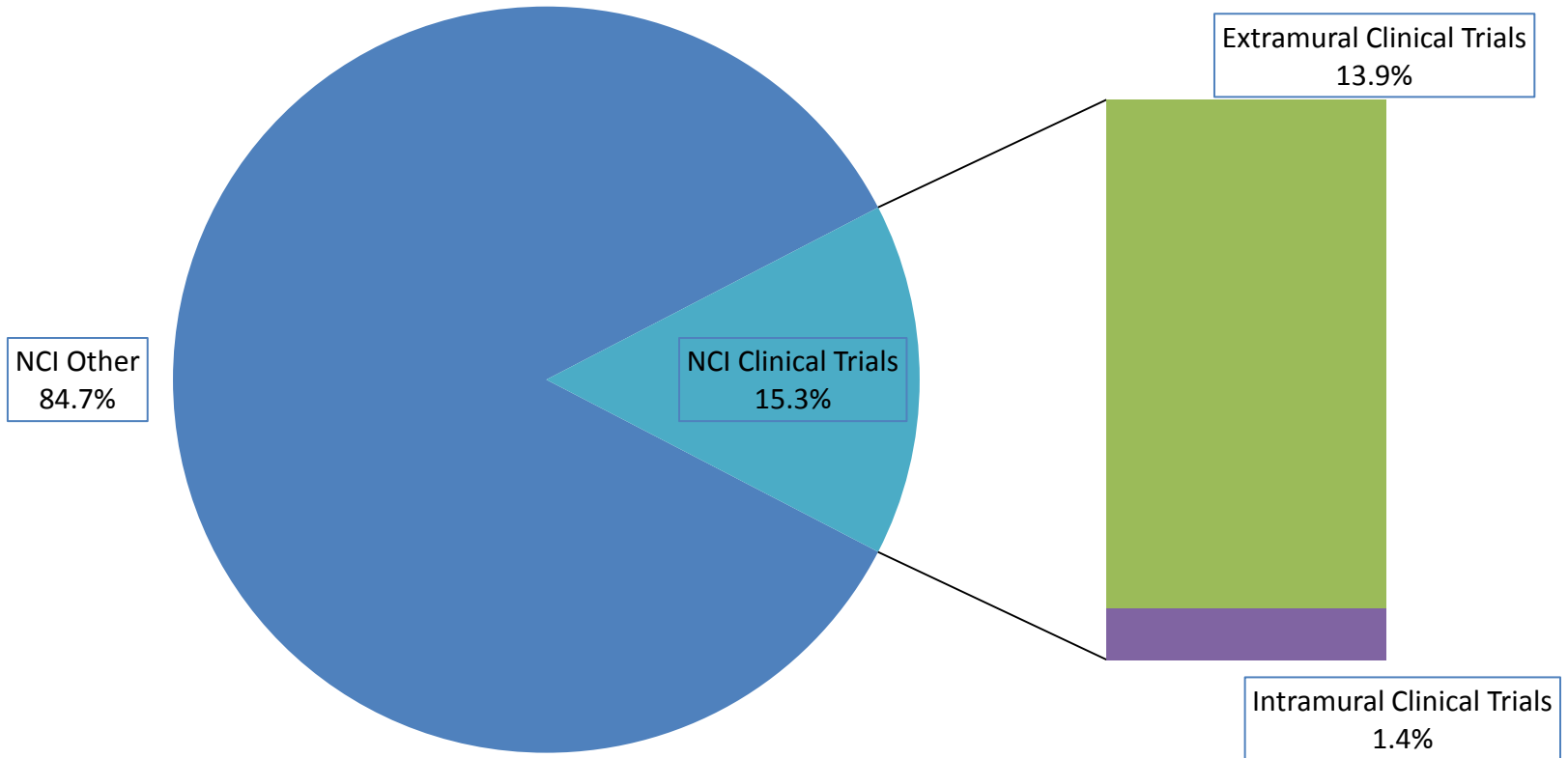
# Operational Definition of a Clinical Trial

A **clinical trial** is a prospective study involving human subjects designed to answer specific questions about the effects or impact of particular biomedical or behavioral interventions; these may include drugs, treatments, devices, or behavioral or nutritional strategies.

**Diagnostic Clinical Trials:** a clinical trial if it uses the information from the diagnostic test in a manner that affects medical decision-making for the study subject. The information from the diagnostic may have an impact on some aspect of outcome, and assessment of this impact may be a key goal of the trial. Studies whose objective is only the gathering of data on the characteristics of a new diagnostic approach, are not clinical trials.

**Behavioral clinical trials:** interventions whose goals are to increase behaviors, eliminate or reduce behaviors and/or improve coping and quality of life and reduce the negative sequelae of treatment. Interventions may pertain to cancer prevention, early detection, treatment, and survivorship. Observational studies and those that do not test interventions are not clinical trials.

# Clinical Trials Expenditures as a Proportion of Total FY2011 NCI Budget (\$5.1 billion)

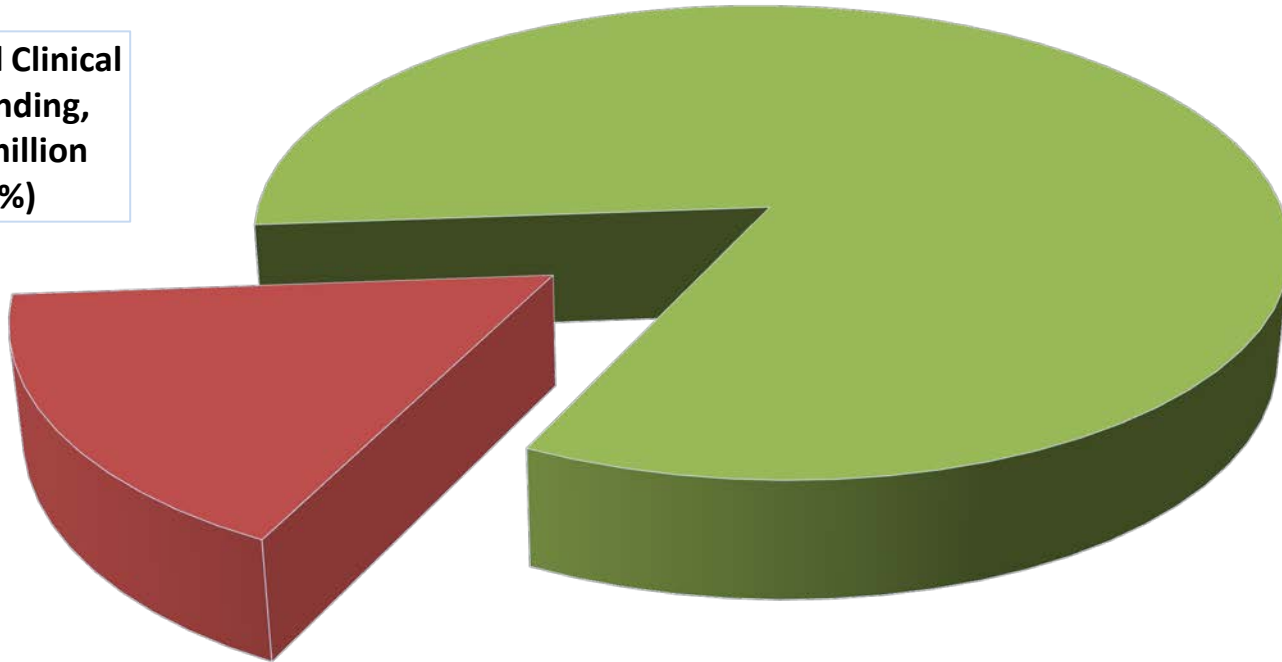


FY2011 NCI Total Budget= \$5.1 billion

# EXTRAMURAL CLINICAL TRIALS INVENTORY

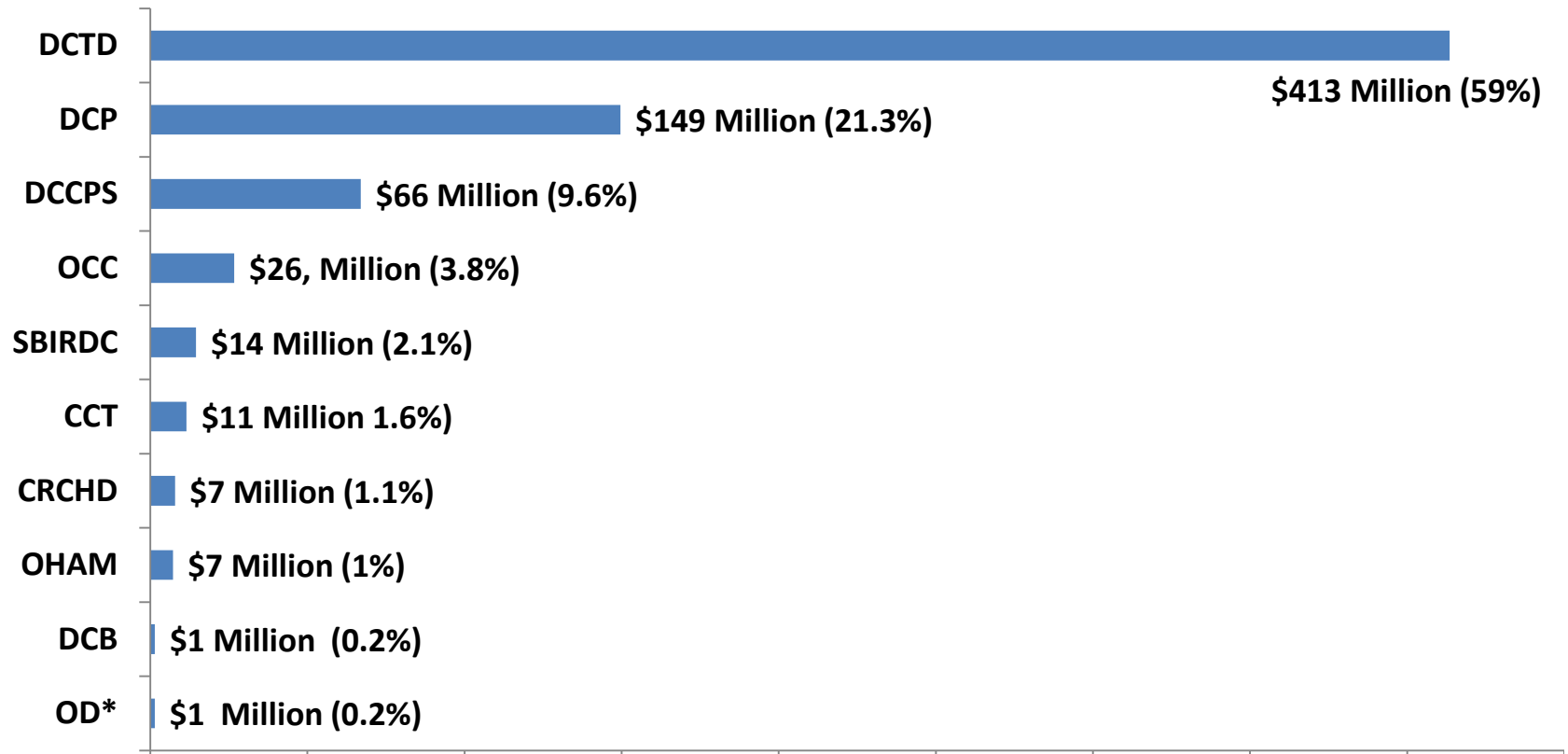
# NCI Extramural Clinical Trials as a Proportion of Overall Extramural Funding (\$3.8 billion)

Extramural Clinical  
Trials Funding,  
\$700.9 million  
(18.2%)



FY2011 Overall NCI extramural funding = \$3.8 billion

# FY2011 NCI Extramural Clinical Trials Funding by Division, Office or Center

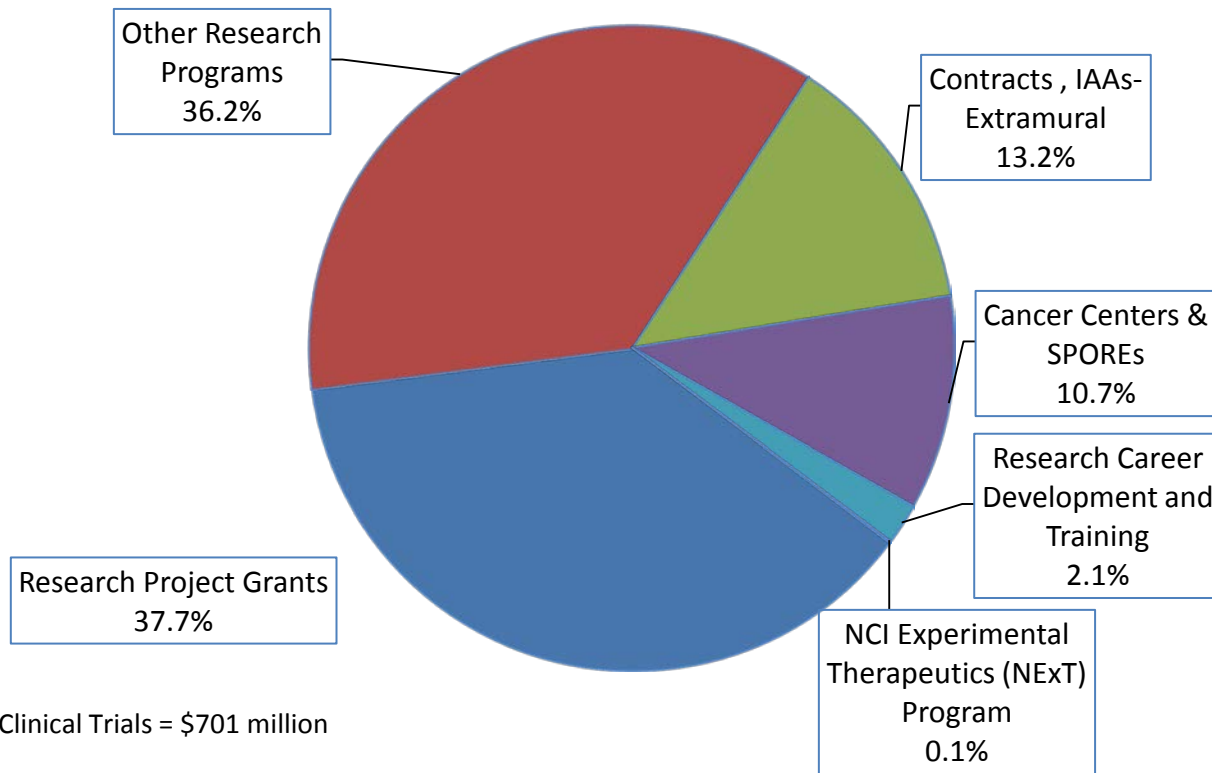


\*OD (NCI & National Institute for Child Health and Human Development (NICHD) Interagency Agreements)

FY2011 Extramural Clinical Trials DOC Total = \$701 Million



# FY2011 NCI Extramural Clinical Trials Funding by Mechanism



Total Extramural Clinical Trials = \$701 million

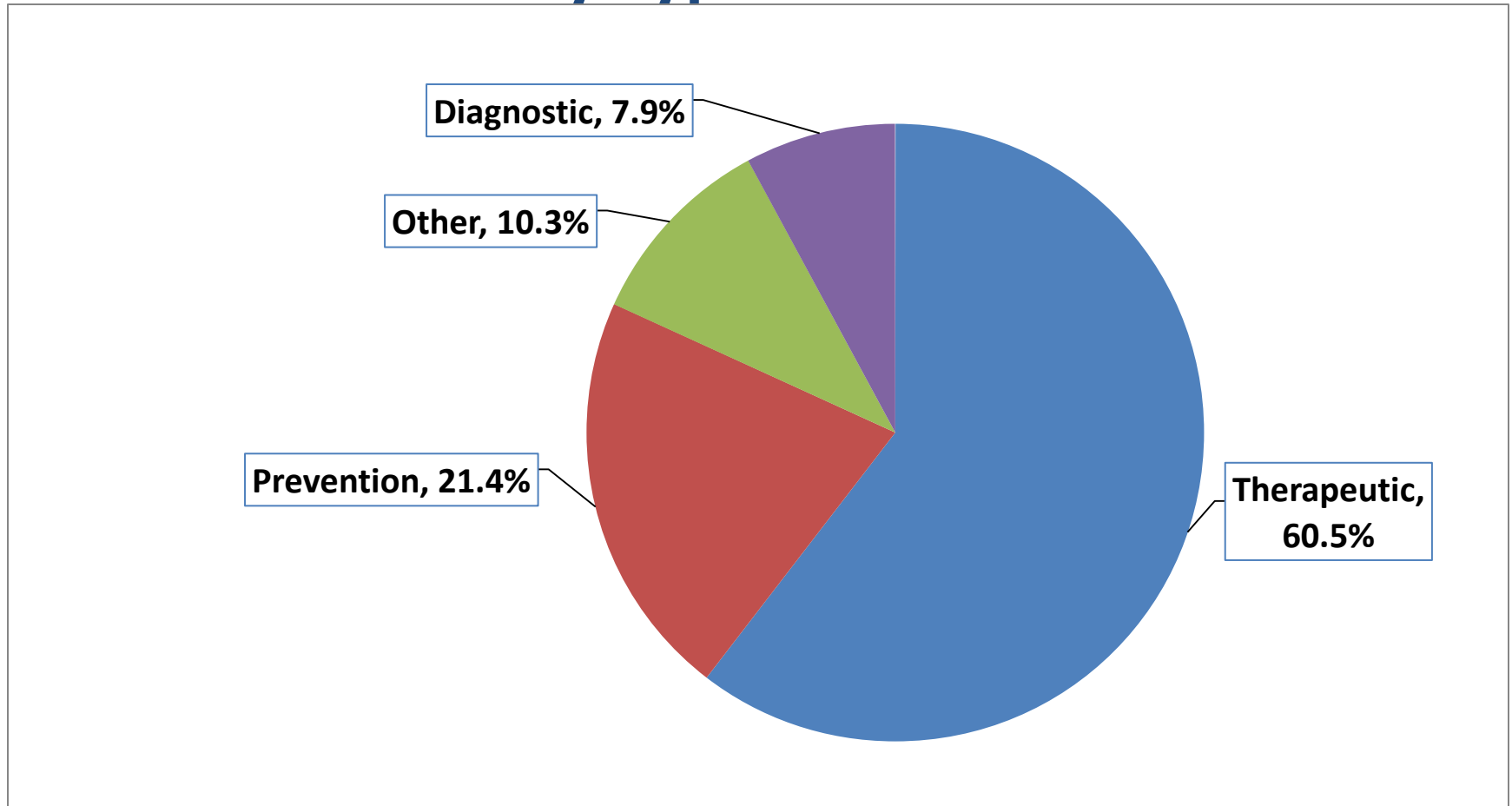
Total FY2011 Extramural Clinical Trials = \$701 million  
Research Project Grants = \$264 million, Other RPGs = \$254 million, Contracts & IAAs = \$93 million,  
Cancer Centers & SPOREs = \$75 million, Research Career Dev. & Training = \$14 million, NExT  
Program = \$610 thousand

# FY2011 NCI Extramural Clinical Trials

## Funding by Type of Trial

- Therapeutic
- Prevention
- Diagnostic
- Other - includes trials for: behavior, e.g. screening behavior; quality of life or supportive care issues; symptom management; rehabilitation, etc. It also includes projects developing methods specifically for clinical trials (e.g., analyzing or monitoring clinical trial data) but not actually conducting clinical trials.

# FY2011 NCI Extramural Clinical Trials Awards by Type of Trial

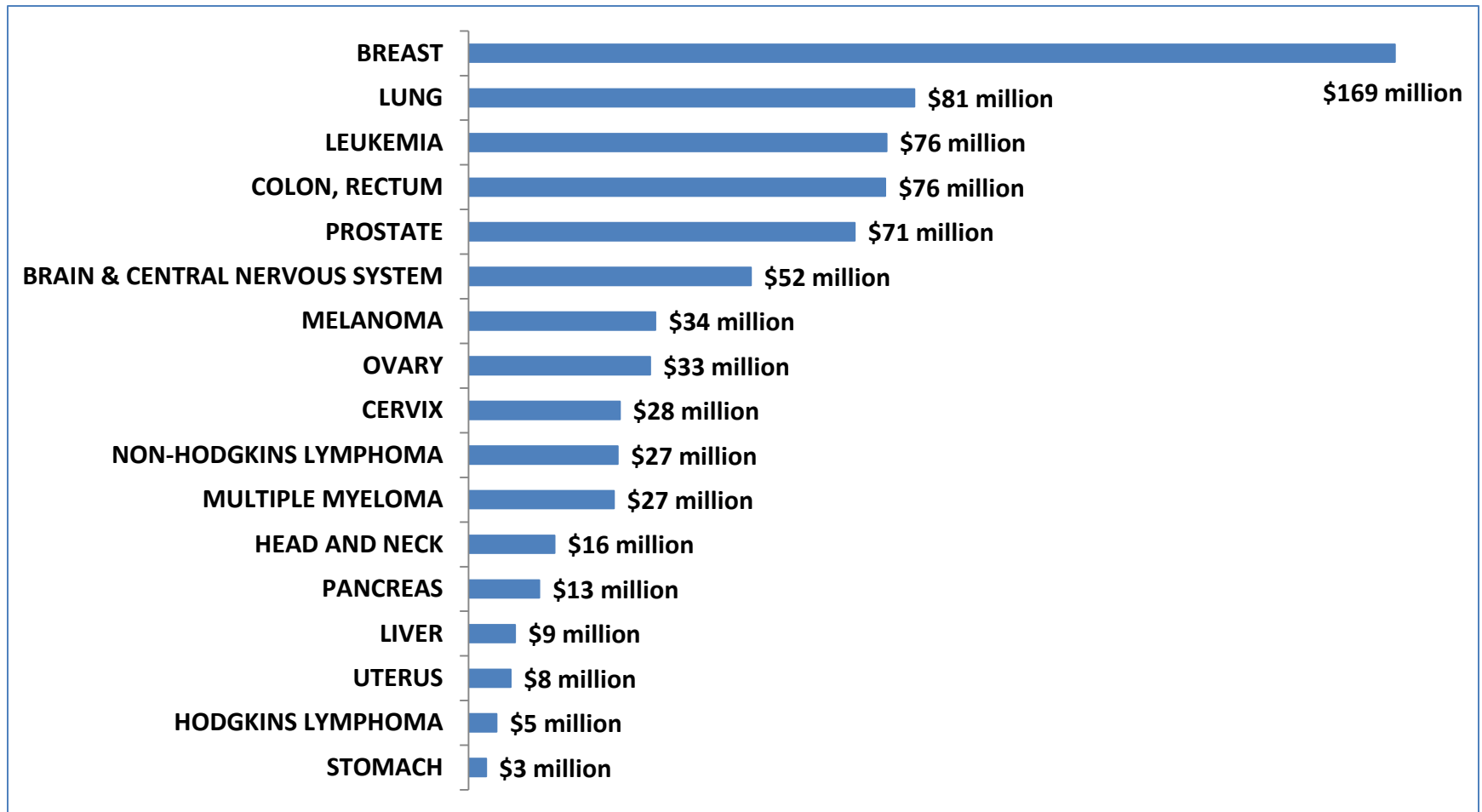


Total FY2011 Extramural Clinical Trials = \$701 million

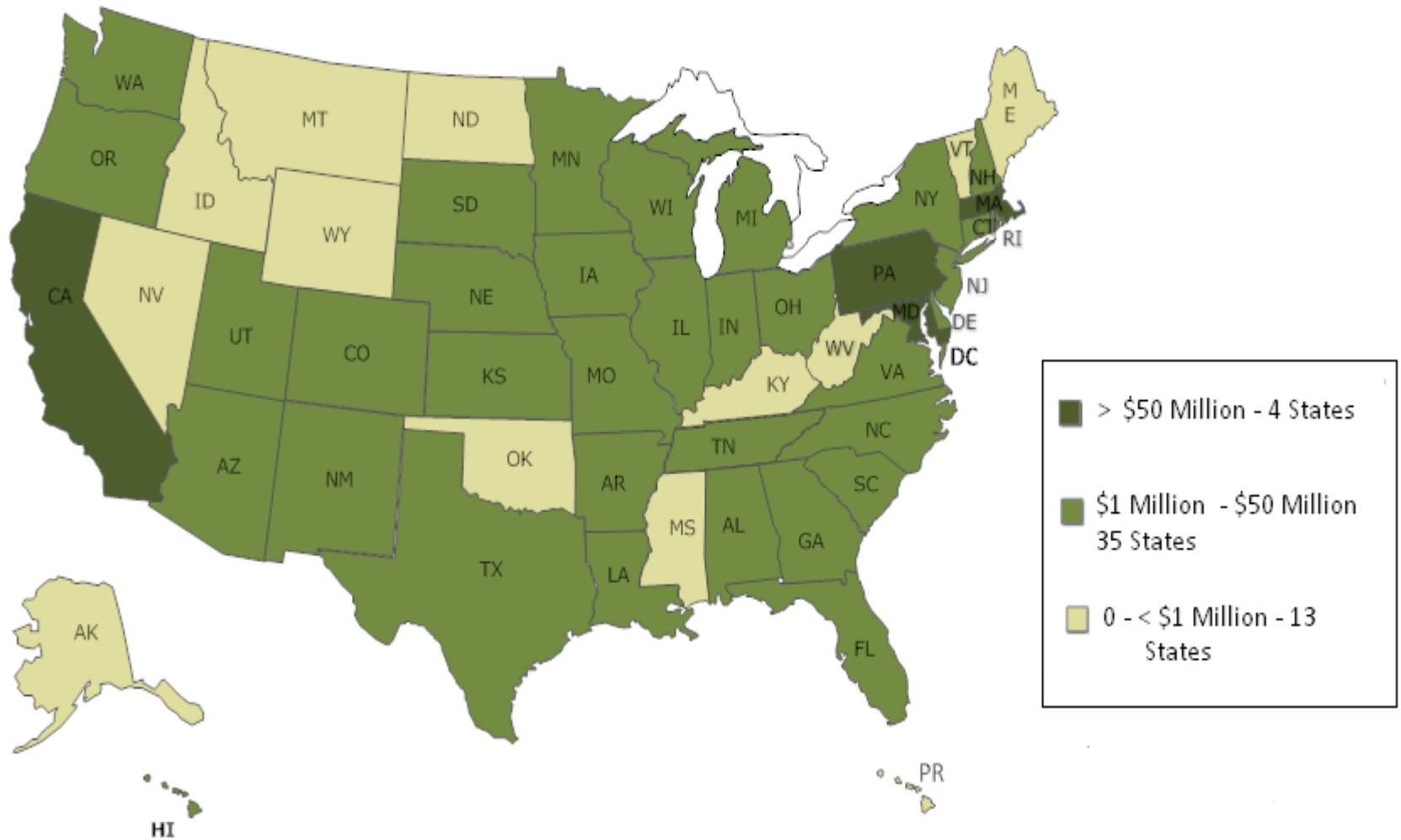
Therapeutic = \$422 million, Prevention = \$150 million, Diagnostic = \$55 million,

Other = \$72 million

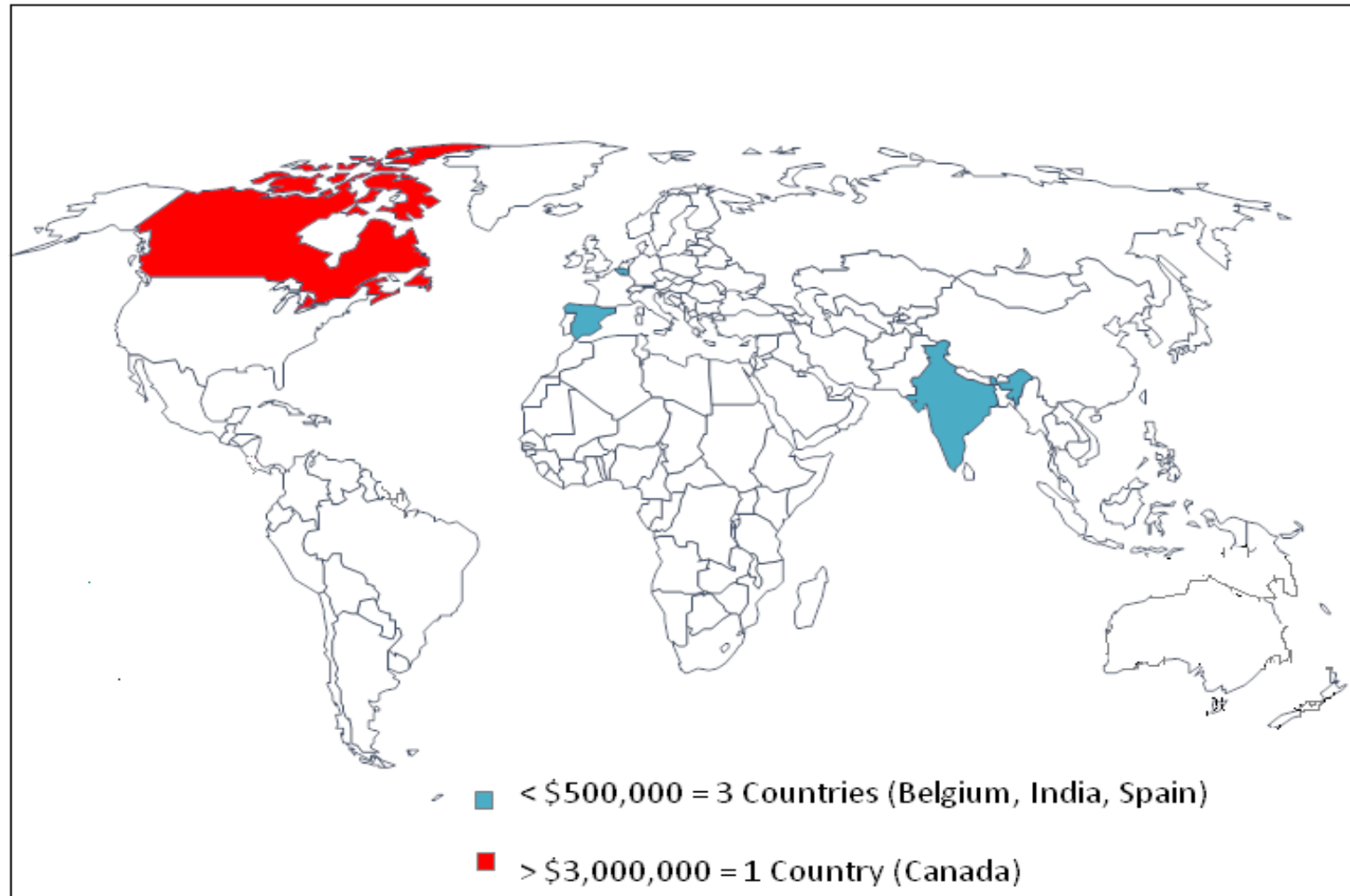
# NCI Extramural Clinical Trials Funding for FY2011 by Major Anatomical Sites



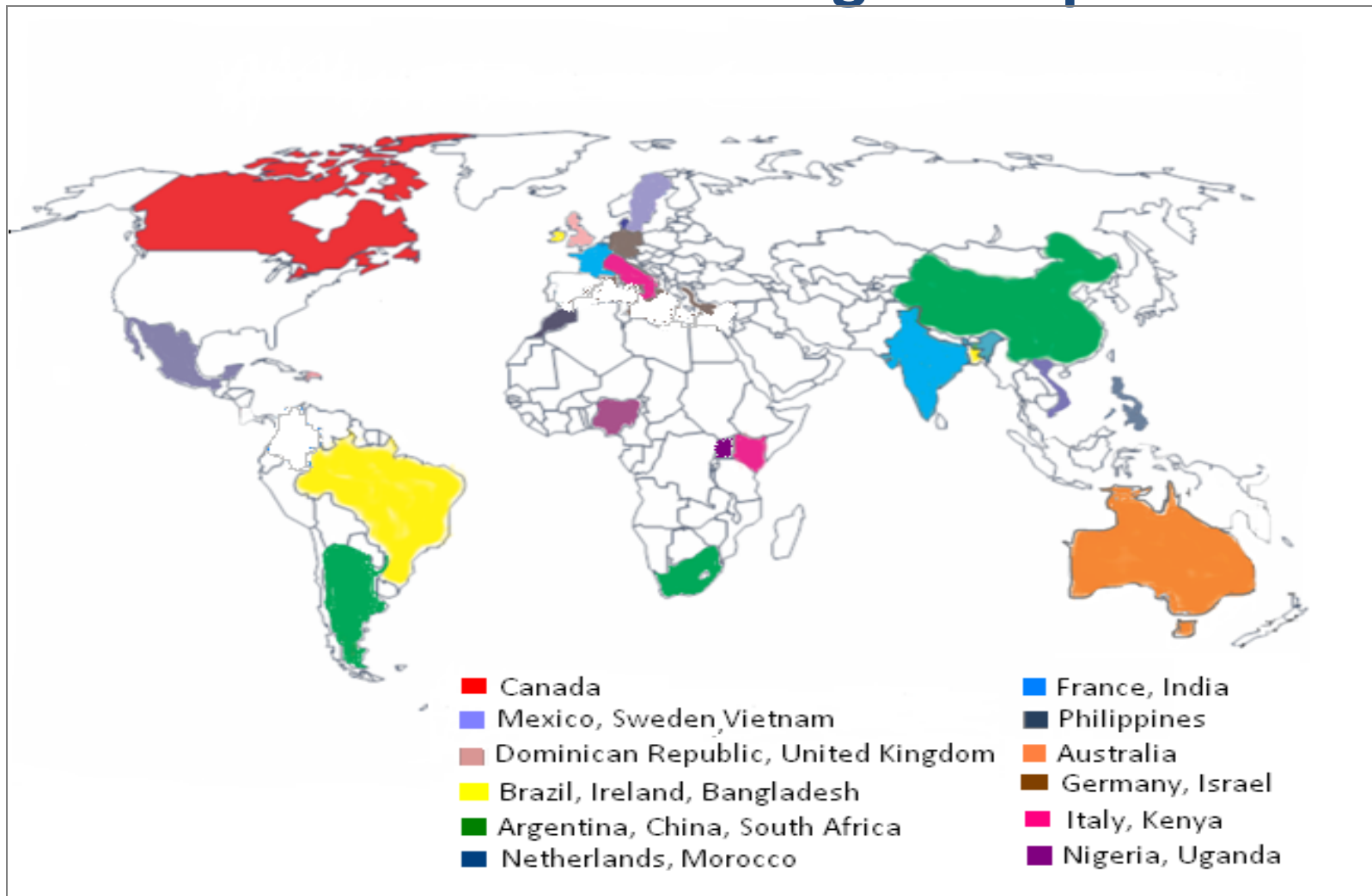
# NCI Extramural Awards for Clinical Trials by States



# NCI Extramural Clinical Trials Awards to Foreign Institutions



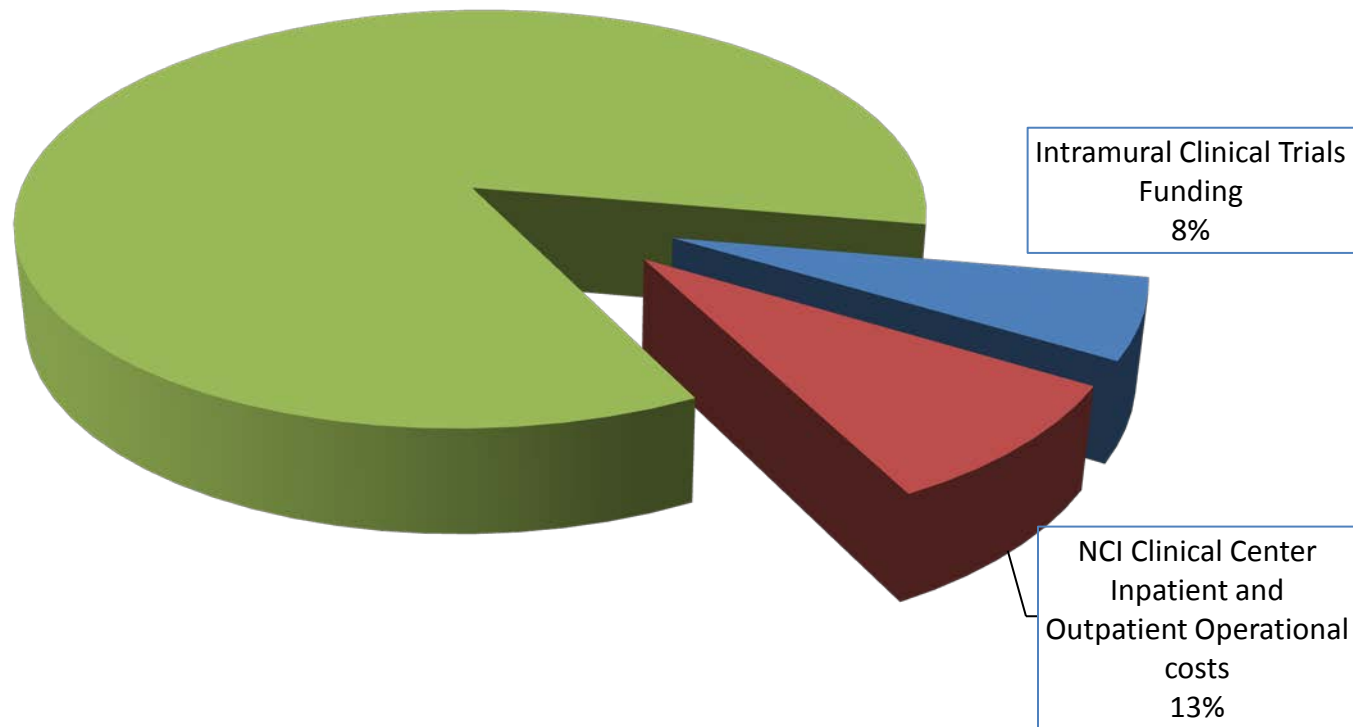
# NCI Extramural Clinical Trials Awards to US Institutions with a Foreign Component



# INTRAMURAL CLINICAL TRIALS INVENTORY



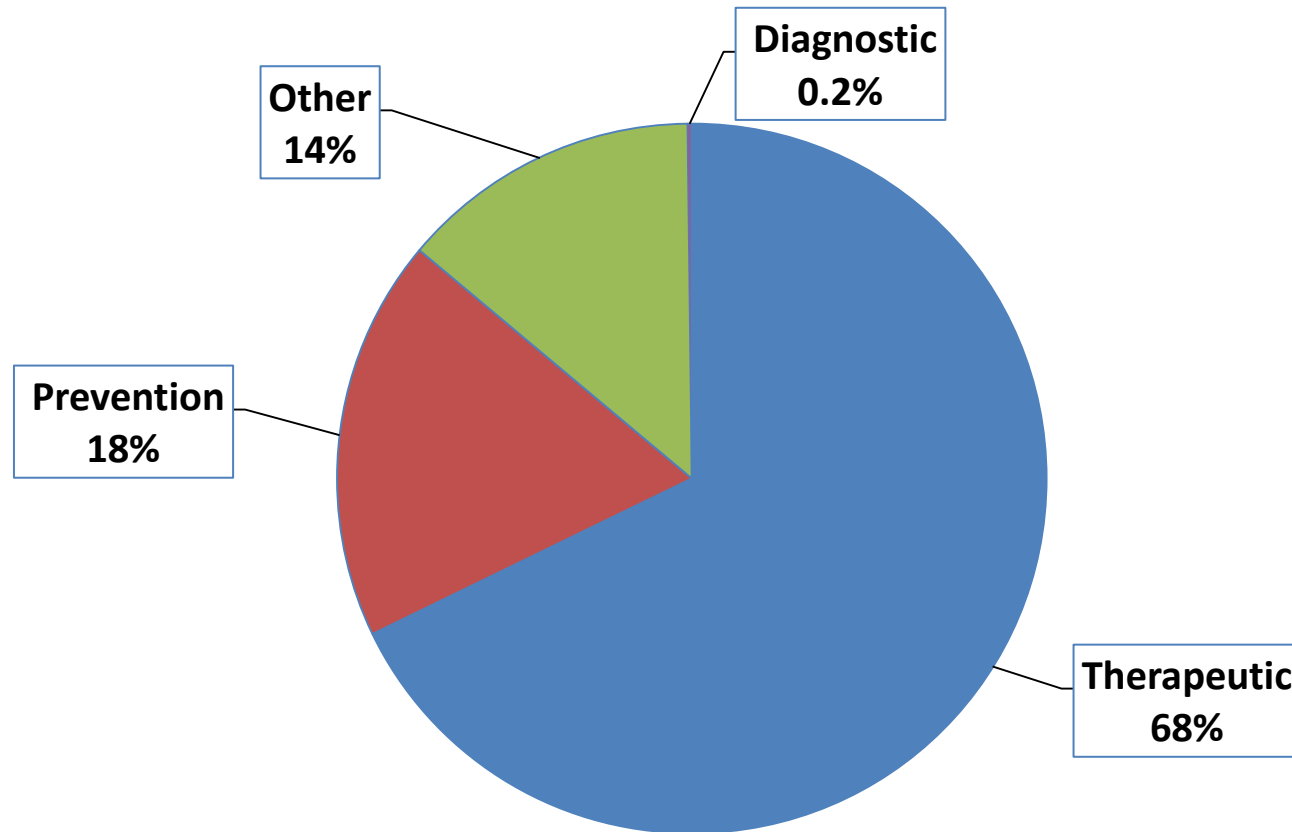
# NCI Intramural Clinical Trials as a Proportion of Overall NCI Intramural Funding (\$834 million)



FY2011 Overall NCI intramural funding = \$834 million

Intramural clinical trials = \$70.5 million, NCI inpatient and outpatient operational costs = \$107 million, all other intramural = \$763 million

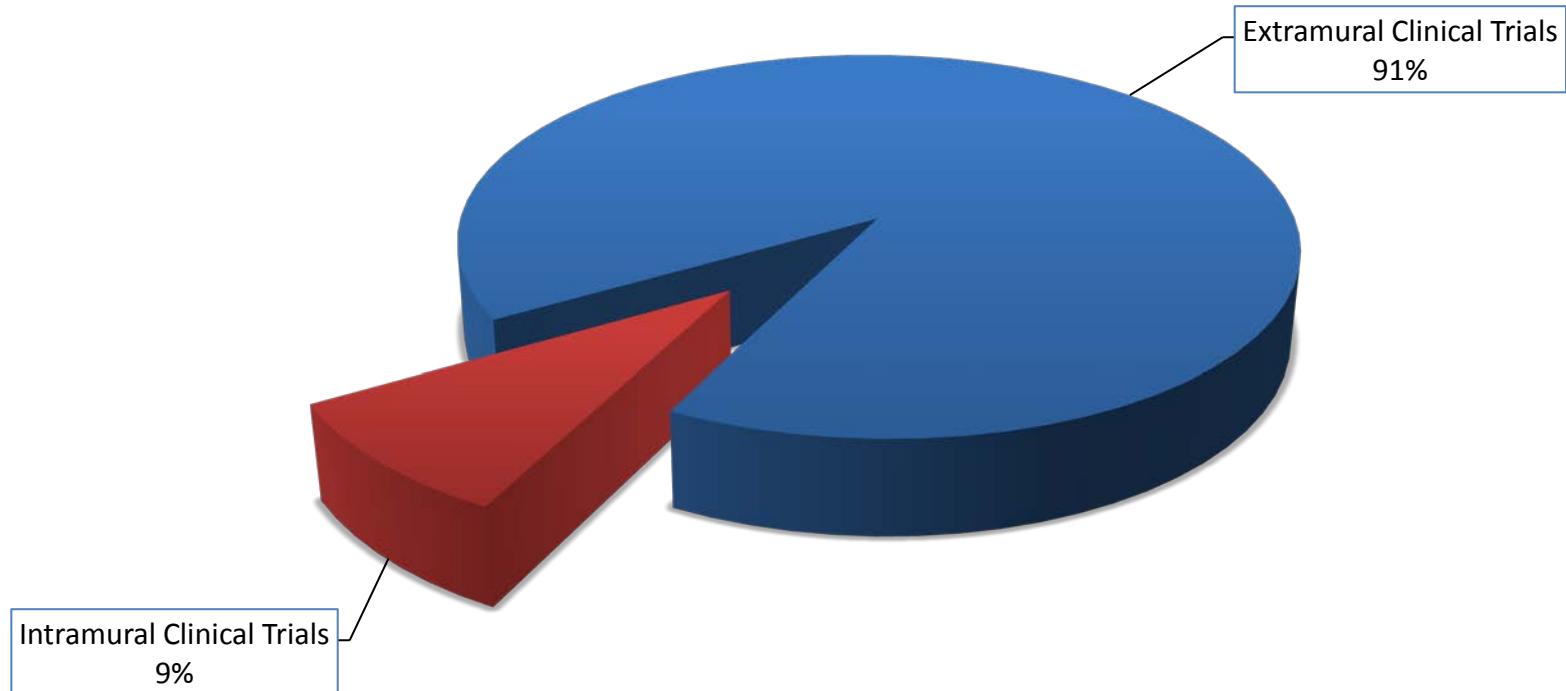
# FY2011 NCI Intramural Clinical Trials Awards by Type of Trial



FY2011 Intramural Clinical Trials Funding= \$70.5 million  
Therapeutic = \$48 million, Prevention = \$13 million,  
Diagnostic = \$125 thousand, and Other = \$10 million

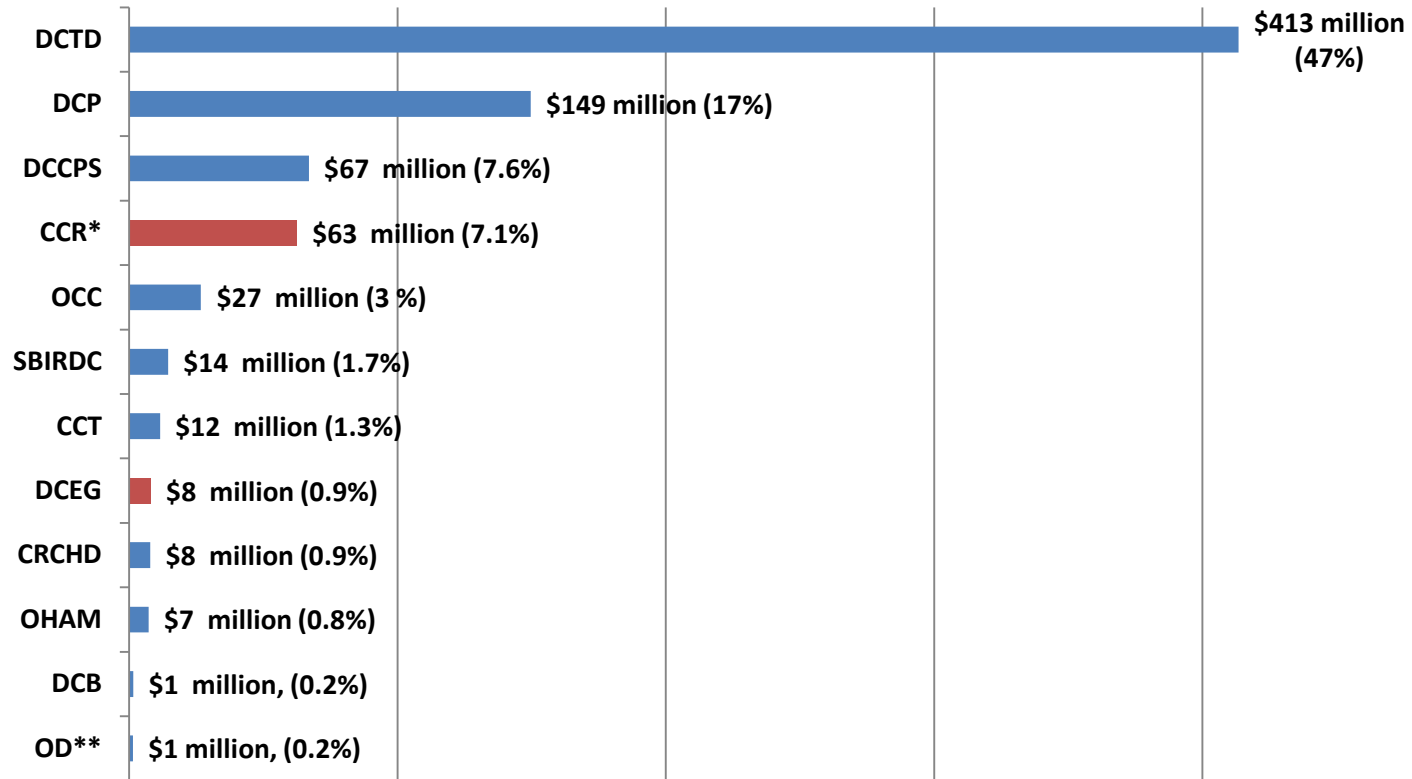
# NCI OVERALL CLINICAL TRIALS INVENTORY

# NCI Overall Clinical Trials Funding (FY2011 \$771 million)



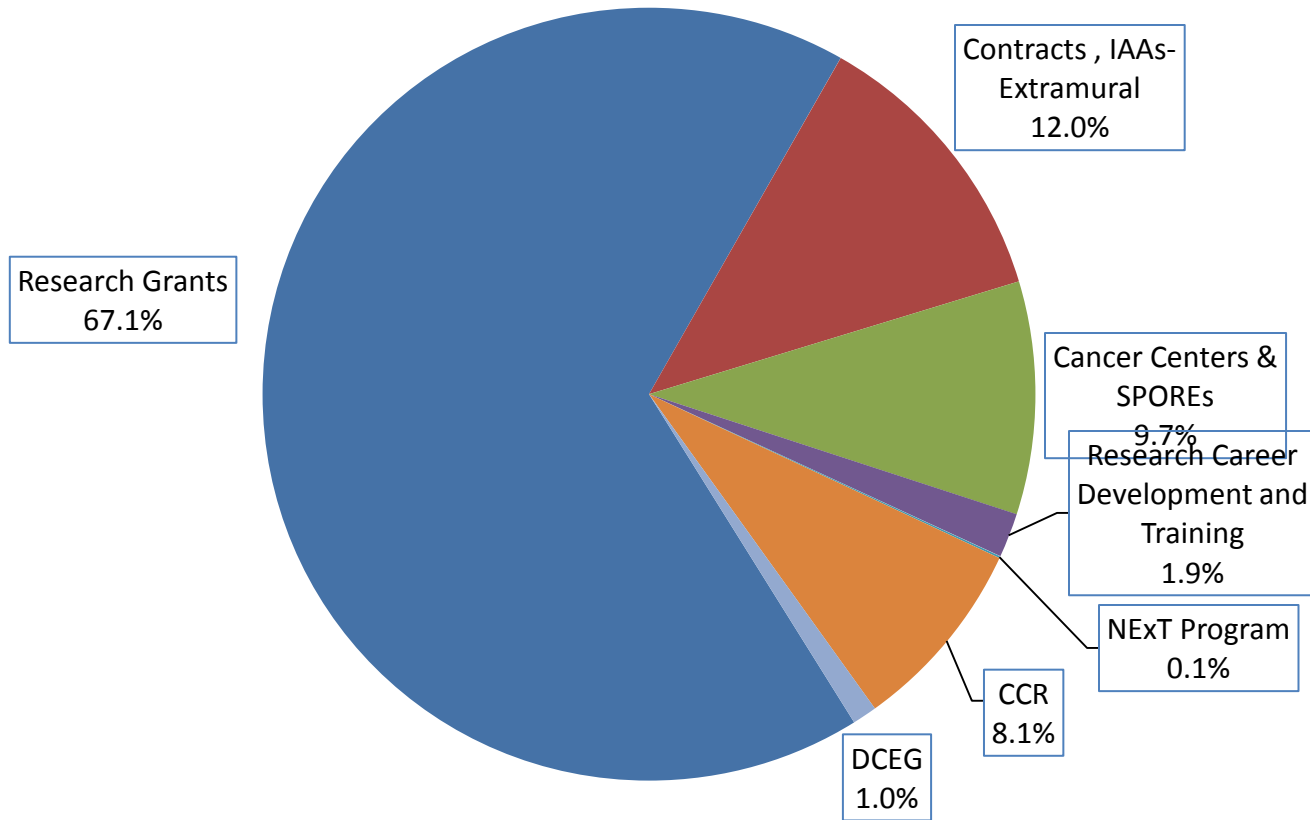
NCI Clinical Trials Total = \$771 million  
Extramural Clinical Trials = \$700.9 million  
Intramural Clinical Trials = \$70.5 million

# FY2011 NCI Clinical Trials Funding by Division, Office, or Center



OD\*\* (NCI & National Institute for Child Health & Human Development Interagency Contract Agreement)  
 NCI Clinical Trials Total = \$771 Million

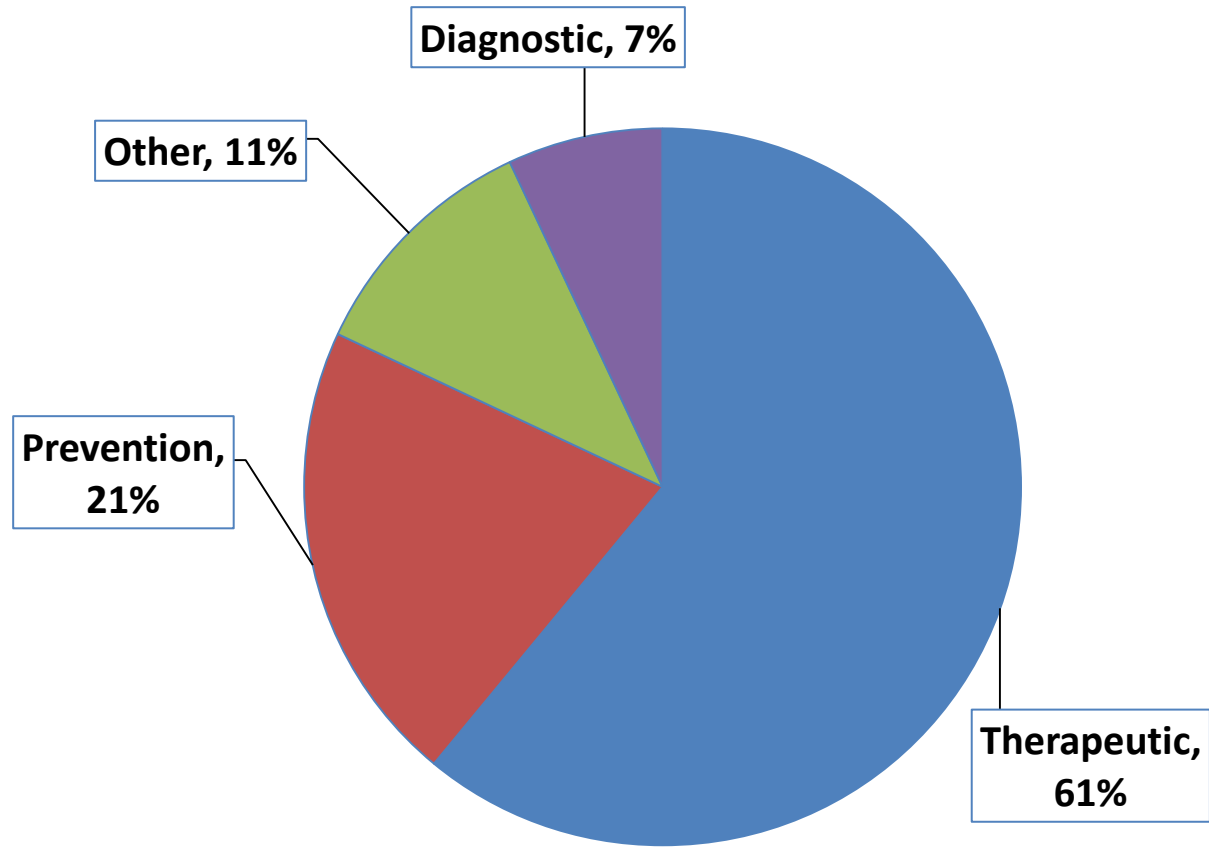
# NCI Overall Clinical Trials by Funding Mechanism



FY2011 NCI Overall Clinical Trials = \$771 million

Research Project Grants = \$518 million, Contracts & IAAs = \$93 million, Cancer Centers & SPOREs = \$75 million, Research Career Dev. & Training = \$14 million, CCR = \$62.5 million, DCEG = \$8 million, Next Program \$610 thousand

# FY2011 NCI Clinical Trials by Type of Clinical Trial



FY2011 NCI Overall Clinical Trials Funding= \$771 million  
Therapeutic = \$470 million, Prevention = \$163 million,  
Diagnostic = \$55 million, and Other = \$82 million

## Recommendations

- It is recommended that a database be developed to collect all clinical trials costs, to differentiate between types of trials, clinical trials phases, major anatomical sites, and to include associated costs.
- NCI CTROC recommends that the RAEB, the official source of science based budget information for NCI supported extramural research, repeat this inventory every five years.



# Thank you

- Office of Cancer Centers
- Cancer Therapy Evaluation Program
- Center for Cancer Research
- Division of Cancer Epidemiology and Genetics
- Gail Pitts, M. S.
- Rajasri Roy, Ph. D.
- Marilyn Gaston
- Diane Bronzert