

**University of North Texas School of Public Health  
Research Collaborative  
January 30, 2009**

**Organization Description of Interests for Collaboration**

Name of Organization: Pediatrics UNTHSC/Cook Children's Hematology Oncology Clinic

Description (100 words or less) \* (See attached power point slides)

Key Areas of Interest for Collaboration (Check all that apply and specify as needed)

Cancers (Specify): Pediatric/Young Adult-Leukemias, Solid Tumors

Cardiovascular Diseases (Specify): \_\_\_\_\_

Diabetes/Obesity (Specify): Steroid Related Obesity

Asthma/Respiratory Diseases (Specify): Childhood Respiratory

Other Diseases/Conditions: (Please list and specify):

Cancer Survivorship and Blood Diseases including Sickle Cell

\_\_\_\_\_

\_\_\_\_\_

Access to Care (Specify): 1) Illegal/Undocumented; 2) Young Adults Cancer & Related Illnesses

Quality of Care (Specify): Timely Diagnosis + Referral with cancer & related illnesses

Cost of Care (Specify): Cancer-Pediatric Young Adult

Populations of Interest: (Please list and specify):

Survivors of childhood cancer

Adolescents + young adults with cancer

\_\_\_\_\_

Other (Please list and specify):

Variability in incidence, etiology, access to care, therapy and outcome by geography, race/ethnicity, immigration status.

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# Cook Children's Hematology/Oncology Center



# History

- 1918 Fort Worth Children's Hospital
- 1929 Cook Children's Hospital
- Merger in 1985- Cook Children's Medical Center
- Serve 120+ counties, 35 states
- 297 bed Medical Center
- Over 200 Pediatricians/Sub-Specialists

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# History

- Hematology & Oncology Program began in 1982
- Inaugural leader – Dr. Paul Bowman
- Started outreach clinics in West Texas
  - Odessa in 1982 & Midland in 1991
- Started Bone Marrow Transplant Program in 1986; First Unrelated Donor BMT in 1993
- Directorship has changed hands just twice in 25yr

- Bowman 1982 – 2001
- Griffin 2001 – 2006
- Eames 2006 – present

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# MISSION

- Cook Children's Hematology & Oncology Center will foster and promote excellence and quality through patient-centered care and access to cutting-edge therapy and research

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# VISION

- Provide safe and consistent care
- Improve outcomes- patient outcomes, clinical service outcomes, customer satisfaction
- Be a hallmark “Signature” Program
- Be nationally recognized for Excellence in Pediatric Cancer & Hematology Care and Clinical Research

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# VISION

- Attract and retain outstanding health care professionals
- Increase access and participation in clinical trials and novel therapies
- Promote multi-disciplinary approach to patient management
- Set the standard for the *Best Program* in Pediatric Hematology/Oncology

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# Current Statistics

- ~ 22,000 Patient encounters/year
- ~ 170 New cases of cancer diagnosed/year
- 12 Physicians and 9 PNP's
- 84 Open clinical trials
- ~ 40 Stem cell transplants performed each year
- 7 Dedicated clinical research staff positions
- 7 Outreach clinics
  - (Abilene, Midland, San Angelo, Odessa, Waco, Lewisville, Hurst)

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# Oncology Programs

- Leukemia/Lymphoma Program
  - Bowman
- Neuro-Oncology Program
  - Murray
- Ortho-Oncology Program
  - Akers, Richie-Gillespie
- Life After Cancer Program (LACP)
  - Murray/Bowman
- Neuroblastoma
  - Granger

# Leukemia/Lymphoma Program

- Launched in 2006
- *Medical Director: Paul Bowman, MD*
- **Mission:** Provide unsurpassed comprehensive care to children and adolescents with leukemia, lymphoma and related disorders in order to improve their survival and quality of life
- Emphasis on clinical patient care
- Seek to raise the visibility of cancer treatment and clinical research at Cook Children's to a national level

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# Stem Cell Transplant Program

- Launched in 1985
- 1<sup>st</sup> Unrelated donor transplant in 1993
- ~ 65 – 70 Referrals/year
- ~ 35 – 40 Transplants/year
- Large referral base:
  - 5-State area (TX, NM, OK, KS, LA) and beyond
  - ~ 50% referrals commercial & 50% Medicaid

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# Stem Cell Transplant Program

- 3 Physicians – Eames, Howrey, Granger
- Other Staff
  - 2 Nurse Coordinators
  - Data Manager
  - Administrative Director- Teresa Clark, RN, MSN
- Member of many National Clinical Trial Groups – NMDP, CIBMTR, PBMTTC, CTN, COG
- FACT Accredited

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# Stem Cell Transplant Program

- Components:
  - *Clinical Service*
  - *Collection – Bone Marrow, Peripheral Stem Cells*
  - *Stem Cell Processing Lab*
  - *NMDP Donor Center*
  - *Quality Improvement Committee*

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# Hematology Program

- *Director – Marcella Torres, MD*
- Large component of our outpatient clinic
- Other Staff:
  - Dr. Joanne Sanders, Dr. Donald Beam,
  - Katie Lawrence, PNP,
  - Susan Zappa, Research Nurse
  - 3 Dedicated nurses
  - 1 Dedicated Clinical Research Associate

# Hematology Program

- Sub Programs
  - *Sickle Cell*
  - *Hemophilia*
  - *Thrombophilia*
  - *Stroke Clinic*

# Clinical Research Program Support

- Clinical Research Associates (CRAs)
  - 5 full time CRAs dedicated to H/O
- Data Specialist
  - 1 full time Data Specialist dedicated to leukemia trials
- Research Intern
  - 4 Research Interns dedicated to Leukemia Program & Neuroblastoma

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# Clinical Research Program Support

- Regulatory Specialist
  - 1 full time Regulatory Specialist with obligations only to H/O research
- Clinical Research Nurse Coordinator
  - 1.5 FTE positions dedicated to Leukemia/Lymphoma Program
- Supervisor
  - Dedicated to H/O Service Line

**\*\* Over 75 yr total experience**

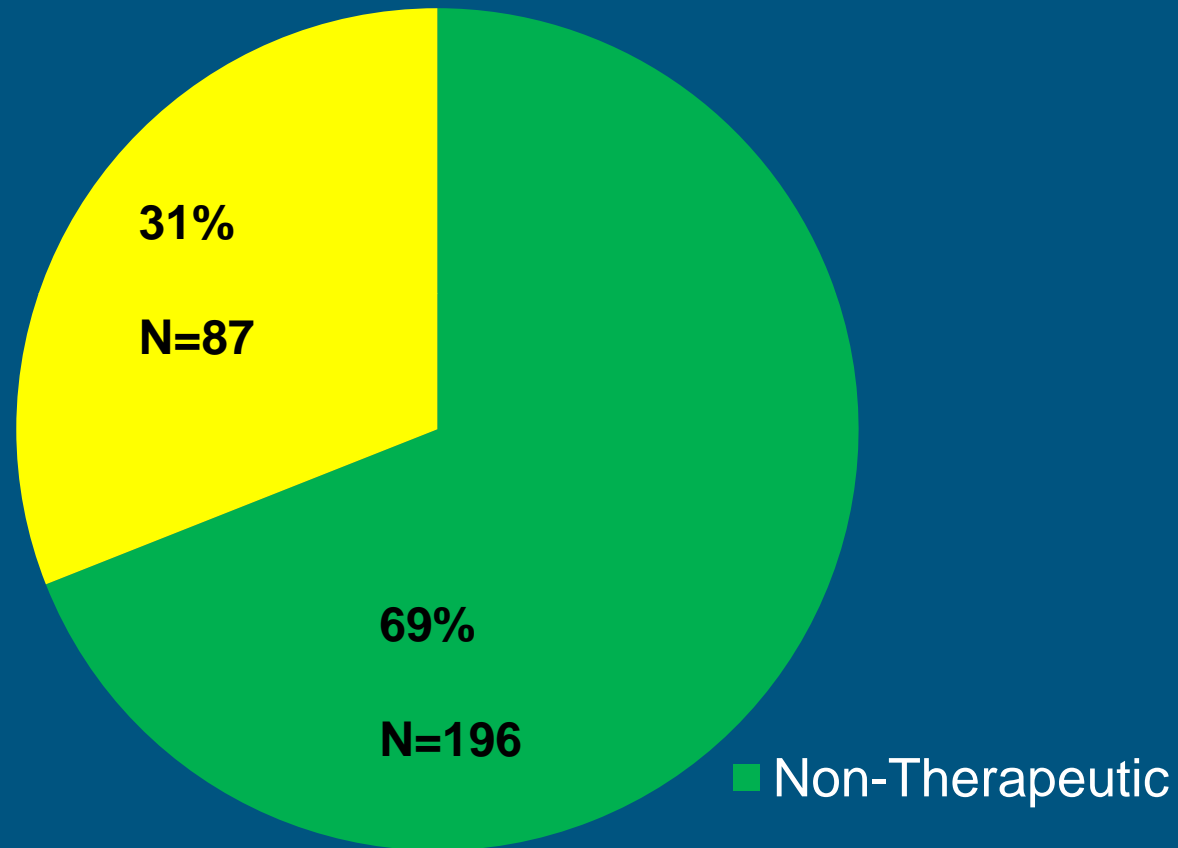
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# Clinical Research Sponsors

- Cooperative Groups
- Pharmaceutical
- Multi-institution Collaboration
- National and International Registries

# 2007 Enrollments

N=283

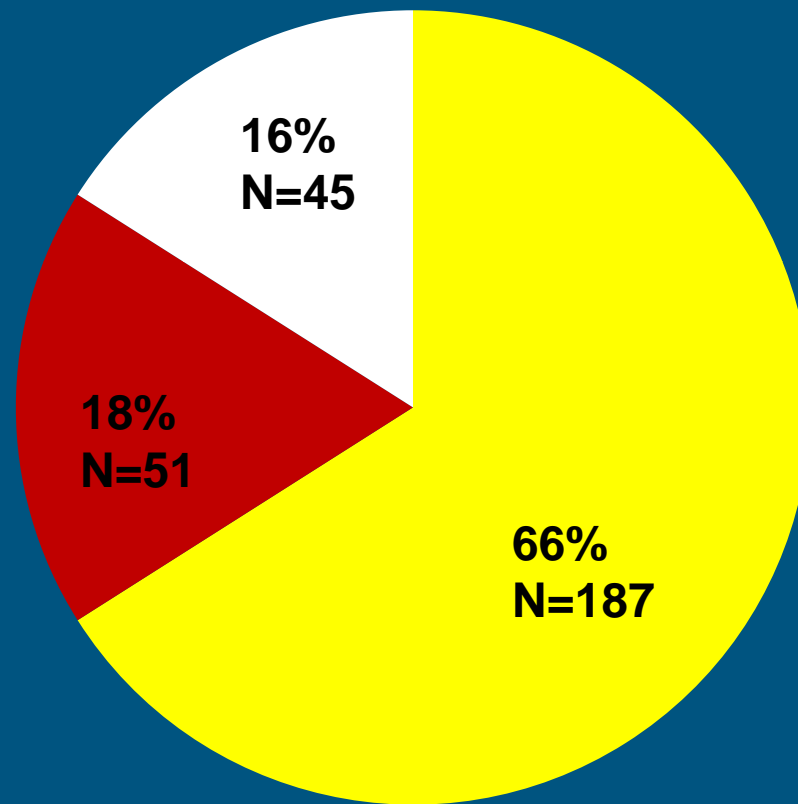


■ Non-Therapeutic

■ Therapeutic

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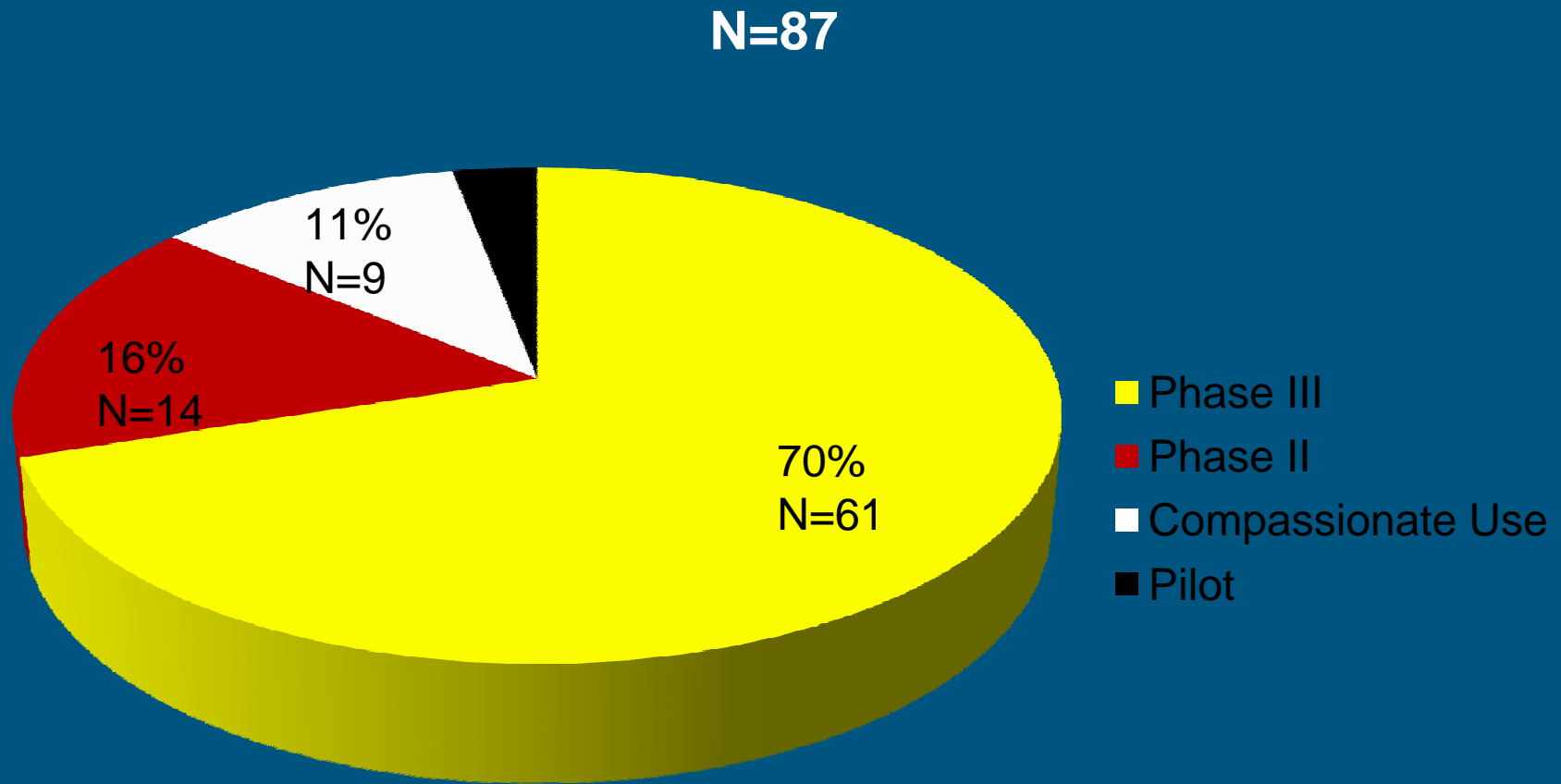
# Enrollments by Discipline



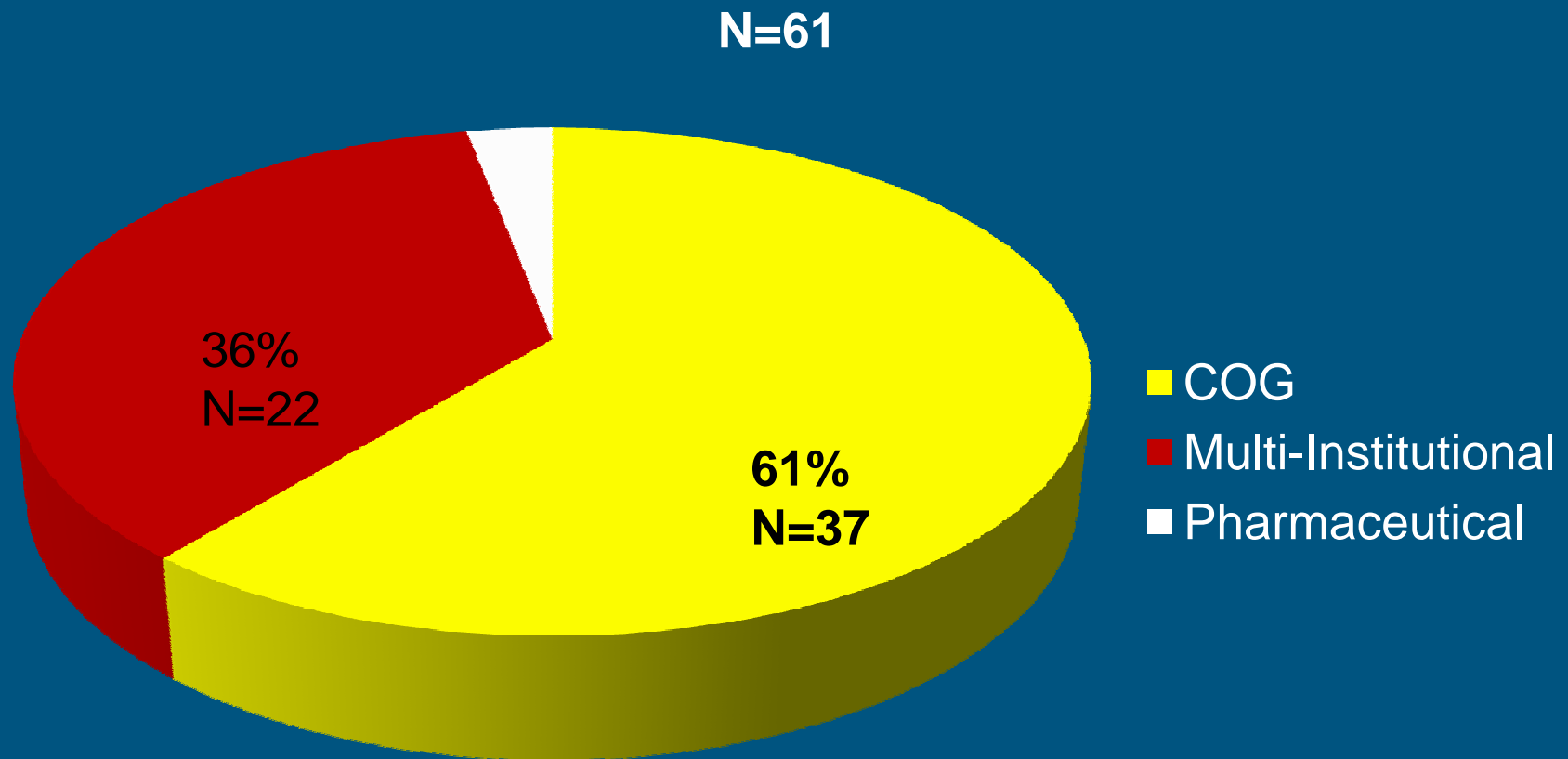
■ Oncology ■ Hematology ■ SCT

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# Therapeutic Enrollments

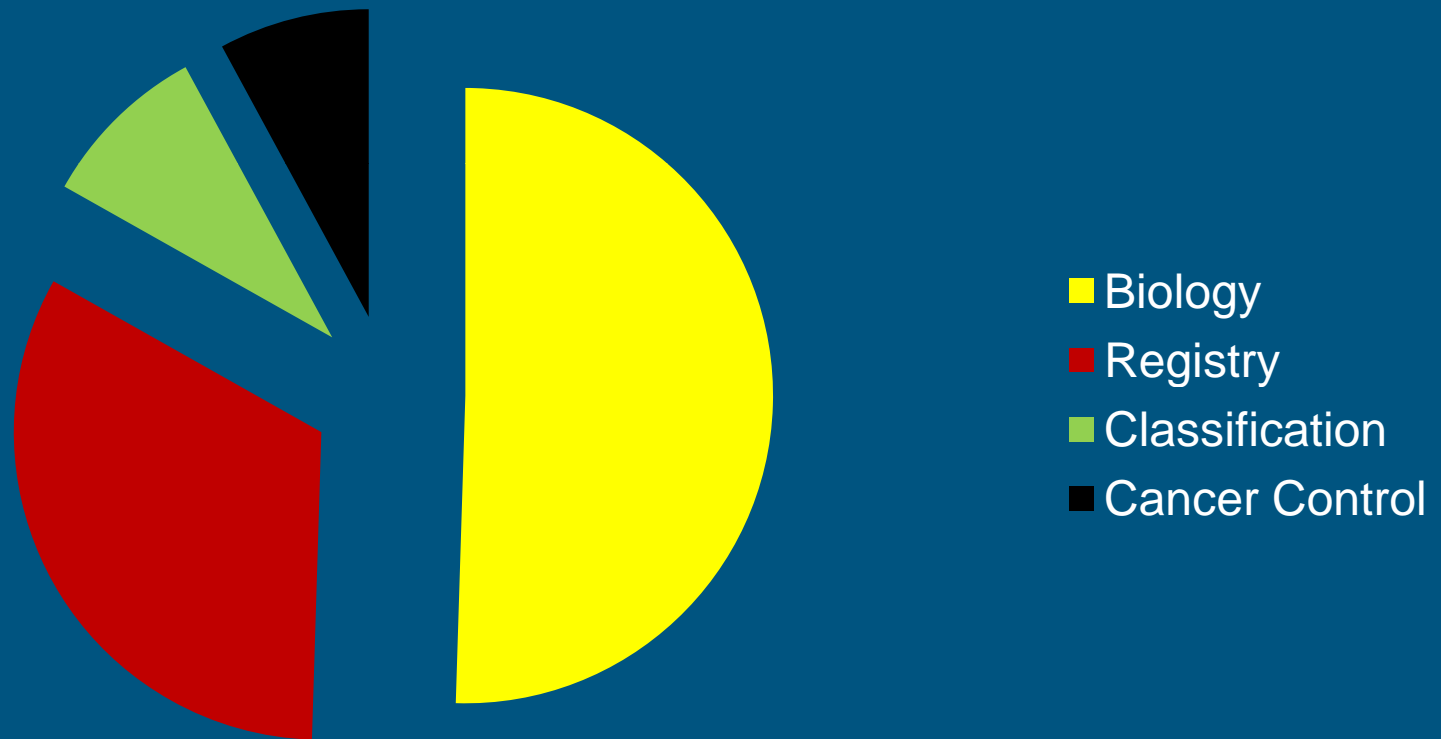


# PHASE III Enrollments



# Non-Therapeutic Enrollments

N=196



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# Clinical Research

- 774 Specimens submitted per protocol to reference labs
  - 316 outpatient visit
  - 458 inpatient visit
- *84 Open Protocols*
- *903 Patients currently on study* (active treatment or in follow-up)

# 2006 – 2008 Highlights

- Recruitment of 4 new physicians & 3 PNP's
- Launched Leukemia/Lymphoma Program
- Performed 650<sup>th</sup> Stem Cell Transplant
- iMRI arrived
- Hemophilia International Twin Program Award
- Lean Processing in Clinic
- Conquer Childhood Cancer Act (CCCA)

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# Why Cook Children's?

- Vast experience in clinical care & variety of diseases over last 25 years
- Great physicians and clinical care team
- Patient centered care
- Close relationships between patients/families and physicians
- Strong QI Program and Initiatives

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# Why Cook Children's?

- National leaders in variety of programs
  - Hematology – Dr. Torres
  - Leukemia – Dr. Bowman
  - SCT – Dr. Eames & team
  - Neuroblastoma/Retinoblastoma – Dr. Granger
  - Survivorship – Dr. Murray/Bowman
- Access to cutting edge/novel therapies and Top Notch Clinical Research staff
- Superb ancillary care services – e.g. child life, nutrition, financial counselor

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# Collaborative Opportunities

- Focus on Cancer Research
- Epidemiology, Epigenetics, Etiology
  - Leukemias (Pilot Project Underway).
  - Brain tumors
- Health Disparities
- Survivorship
  - Childhood Cancer Survivor Study
- AYA (Adolescent-Young Adult) Oncology
  - Therapeutics, Outcomes

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# Collaborative Opportunities cont'd

- Currently Very Hot
- Neuroblastoma
  - NANT (New Approaches To Neuroblastoma Therapy).
- Leukemias and Lymphomas
- Brain Tumors

# Current Collaborations

- Oncology
- Cook and . . . . .
- St. Jude Children's Research Hospital
- Texas Children's Cancer Center
- Children's Oncology Group
- Pediatric Blood and Marrow Transplant Consortium.
- Childhood Cancer Survivor Study
- New Agents in Neuroblastoma therapy.
- UNT Health Science Center

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# Cook Children's

- Departments Conducting Research

- Hematology/Oncology
- Infectious Diseases
- Pulmonary
- Neurosciences
- Cardiology
- Critical Care
- Neonatology
- Nursing
- Primary Care

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# Partners in Pediatrics

**Cook Children's  
Medical Center**



**University of North Texas  
Health Science Center**



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