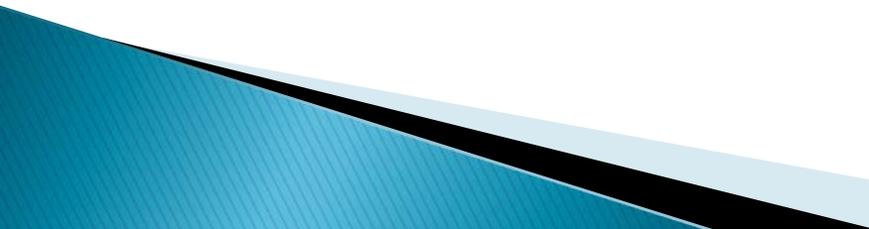


# Pediatric Oncology

## UNM Children's Hospital

John F. Kuttesch, Jr., Ph.D., M.D.  
Chief, Division of Pediatric Hematology/Oncology

# Childhood Cancer Facts– USA

- ▶ > 12,400 children and adolescents are diagnosed with cancer per year
  - ▶ One of every 500 young adults is a childhood cancer survivor
    - Nearly 2/3 of the survivors later experience significant and chronic medical problems or develop secondary cancers
  - ▶ The causes of most pediatric cancers remain a mystery and cannot be prevented.
  - ▶ Leading cause of death by disease in children and adolescents.
  - ▶ 100% Socioeconomic and psychosocial impact on the family
- 

# Childhood Cancer–USA

Childhood Cancer (USA): 0-14 years

Incidence: 17/100,000

Survival (%)

*From: CA CANCER J CLIN 2013;63:11–30*

Diagnosis	1975-1977	2002-2008
Acute Lymphocytic Leukemia	58	91
Acute Myeloid Leukemia	19	64
Bone and Joint	50	79
Brain/Central Nervous System	57	75
Hodgkin's Lymphoma	81	97
Non-Hodgkin's Lymphoma	43	85
Neuroblastoma	53	74
Soft Tissue	61	82
Wilms	73	90
<i>Overall</i>	58	83

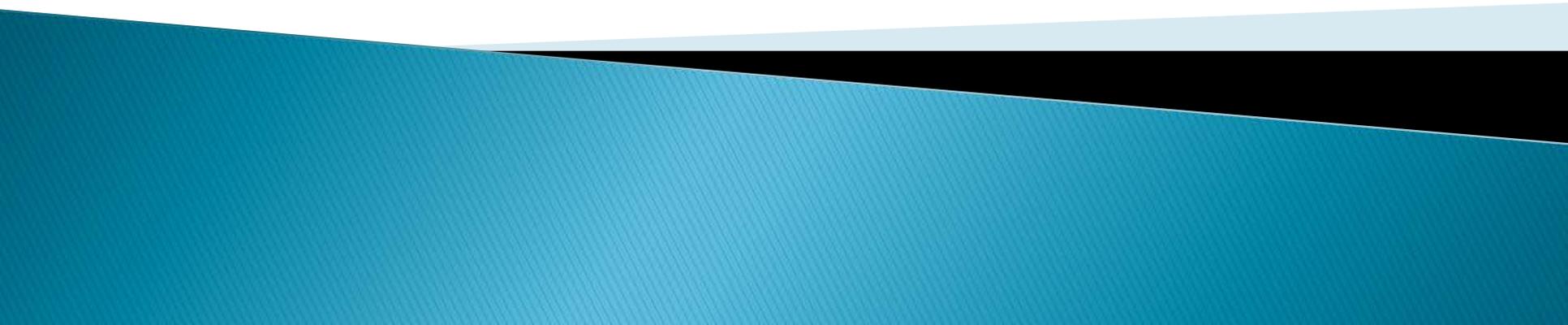
## ▶ Impact:

- Sub specialization
- Multidisciplinary Care
- Collaboration: Children's Oncology Group
  - Clinical trials
  - Clinical Translational Research
  - Basic research

## ▶ Challenges

- Acute
  - Child
  - Family
- Late
  - Organ system
  - Neurological/ Learning Disabilities
  - Psychosocial
  - Second cancers (10–fold risk)

**What We Do....**



# Mission: UNM

- ▶ To Decrease the Burden of Childhood Cancer in Children and Families of New Mexico through Clinical Service, Research and Education.

# Pediatric Hematology/Oncology UNM Children's Hospital

## Clinical Service

- ▶ The Only Tertiary Care Provider of Oncology Services for Infants, Children and Adolescents in New Mexico
  - ▶ Multidisciplinary Team approach in the Comprehensive Care of these patients (8 physicians, 2 practitioners, 9 nurses, 4 social workers, 2 pharmacists)
  - ▶ Comprehensive Children's Hospital Environment
  - ▶ CTRC Services: Radiation Therapy , Orthopedic Oncology
- 

# Pediatric Hematology/Oncology UNM Children's Hospital

## Clinical Service

- ▶ **Comprehensive Treatment Planning and Care**
  - Weekly Patient Care Meetings
  - Biweekly Tumor Board Reviews
  - Weekly Radiology Conferences
  - Psychosocial Rounds
  
- ▶ **Comprehensive Clinics/Programs**
  - Post Bone marrow Transplant Follow-up Clinic
  - Young Enduring Survivors Clinic
  - Mariposa



# Pediatric Hematology/Oncology

## UNM Children's Hospital

### Research

#### ▶ **Nationally-Recognized Investigators**

- **Dr. Boayue** (PI COG-UNM); **Dr. Heideman** (Brain Tumors); **Dr. Kuttesch** (Brain Tumors, Chair, DSMC-Experimental therapies); **Dr. Winter** (Leukemia Research)

#### ▶ **Children's Oncology Group- UNM**

- Over **90%** of eligible patients enrolled on NCI- approved therapeutic trials.
- **Sixty-Five open research studies.** (therapy, epidemiology, biology, registry)
- Cancer Control Research Studies: **medication adherence, osteonecrosis, kidney function**
- Data compliance: **100%**

#### ▶ **Sponsored Research-UNM**

- Clinical Projects : **7**
- Laboratory-Based Projects: **3**

# Pediatric Oncology Clinical Trials

- ▶ A comprehensive clinical trials team meets weekly to discuss enrollments and study issues
- ▶ The current open study portfolio includes:
  - 14 Biology Studies
    - UNM 05-435; PI: Wilson/Winter
    - UNM 03-193; COG AALL10B1 T-ALL Biology; National Trial Chair: Winter
    - UNM 11-415: CD16 Allotypes in Normal Volunteers: PI: Winter
  - 33 Therapeutic Trials
    - COG AALL0434 T-ALL Trial; National Study Chair: Winter
  - 15 Cancer Control, Epidemiology, Late effects and Pharmacologic PK/PD Studies

# Community Outreach and Survivor Programs, Methods to Enhance Clinical Trial Recruitments

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- **Adolescents and Young Adults**
  - YES Clinic
- **Camps for Children/Survivors**
  - Camp Enchantment
  - Sibling Retreat
- **Hospice Programs**
  - Mariposa
- **Off-site Teaching / Physician Outreach Programs**
  - Hobbs, Clovis (Eastern New Mexico)
  - Gallup (Western New Mexico)



# Pediatric Hematology/Oncology UNM Children's Hospital

## Education/ Outreach(2012-13)

- ▶ **Medical Student/Resident Education Clinical rotations :** 16 residents
  - **Medical Student lectures:** 130
  - **Tumor Boards, Radiology Rounds, Patient Care Conferences**
  - **Medical Student Teaching:** Phase II lectures, Physical Diagnosis
  - 2 Residents chose to pursue Fellowship training in Pediatric Hematology/Oncology
  - **Consistently Outstanding Teaching Scores**
- ▶ **Professional Presentations:** 10 presentations
- ▶ **Community Outreach:** 15 presentations

# Young Enduring Survivors Clinic (YES)

- ▶ **Provides Multi-Disciplinary Follow-up for > 500 Survivors of Pediatric Malignancies**
- ▶ **Programs**
  - **Multi-disciplinary clinic** for patients at least 2 years off therapy and cancer-free. Health assessment and screening. Risk assessment.
  - **School Re-entry Program.**
  - **Tobacco Use Screening and Cessation Program:** Funded through a community grant.
  - **Young Adult Transition Program** as patients become adults
  - **Outreach: Education**

# UNM Mariposa Program

## Pediatric Hospice

"The dying child deserves always to be treated first as a child, and secondarily as a dying person."

Kathleen W. Faulkner, Hospice Care for Children

- ▶ **Mariposa is a team of highly-trained professionals offering the only Pediatric Palliative care and Hospice resource in New Mexico**
  - ▶ **Mariposa offers comprehensive, compassionate care for infants, children and adolescents with life limiting conditions....NOT JUST CANCER!**
  - ▶ **Mariposa emphasizes quality of life rather than length of life.**
  - ▶ **Serves not only the child, but supports the entire family, including parents and siblings.**
- 

# Pediatric Hematology/Oncology

## UNM Children's Hospital

### Summary

#### ▶ Clinical Service

- **Pediatric Specialists** / Pediatric-focused
- **Medium + -sized program**
- **Care of infants, children, adolescents and young adults**
- **Continuum of care: Diagnosis to Survivorship**
- **Multidisciplinary care** combining resources of a Comprehensive Children's Hospital and a Comprehensive Cancer Center
- **Mariposa**

#### ▶ Research

- **Clinical Research** : outstanding recruitment and conduct of clinical trials
- **National leadership** in clinical research /Nationally recognized investigators
- **Laboratory research:** T-Cell malignancies
- **Mentoring** of residents and medical students

#### ▶ Education

- Residency and Medical Student **Mentoring and Teaching**
- **Consultation** and co-ordination of care
- **YES Program**

# Pediatric Hematology/Oncology

## UNM Children's Hospital

### Budget 2013-2014

	Amount (\$)	% Total
<b>Revenues:</b>		
Tobacco Settlement Fund Allocation	261,400	8.7
General Fund Appropriation	1,282,197	42.6
Overall Total Revenues	3,012,688	
<b>Expenses</b>		
Total Compensation	2,523,448	83.4
Non-Salary Costs	502,156	16.6
Total Expenses	3,025,604	
Net Revenue	12,916	0.4

- ▶ *Supports our mission to deliver outstanding care to the Children of New Mexico*
- ▶ *Supports access to the best therapies available in the world to improve outcomes.*
- ▶ *Supports Survivorship, Education and Outreach*
- ▶ *To give the best care to the Children of New Mexico*

# Questions?