

Pediatric Oncology

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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

Mission: Pediatric Oncology at UNM Health Science Center

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



Clinical Services – Pediatric Hematology/Oncology

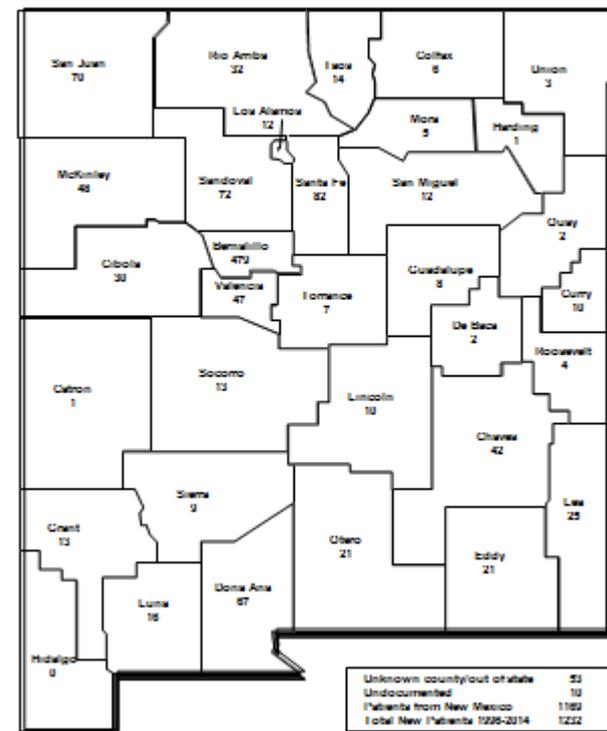
- The Only Tertiary Care Provider of Oncology Services for Infants, Children and Adolescents in New Mexico
- Multidisciplinary Team Approach in the Comprehensive Care of Patients (7 physicians, 3 practitioners, 9 nurses, 3 social workers, 2 pharmacists)
- Comprehensive Children's Hospital Environment
- UNM Cancer Center Services: Radiation Therapy, Orthopedic Oncology, Gynecologic Oncology
- Collaboration with UNM Comprehensive Cancer Center: Care of Young Adults



Pediatric Oncology

- Referrals received from all parts of the state
- 300 referrals from 2010–2017 (current)
- Over 400 Active Patients and aprox 5000 clinic and Inpatient visits in last fiscal year

Pediatric Cancer
Cumulative Newly Diagnosed Patients
by County 1996-2014



Clinical Services – Pediatric Hematology/Oncology

- 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
 - Survivorship Clinic
 - Vascular- Lymphatic Malformation program
 - Mariposa
 - Neuro-Oncology Clinic (planning)

Adolescent–Young Adult Program

- ▶ Vastly Underserved Population (14–39 Yrs)
- ▶ Leukemias, Saromas, Germ Cell Tumors, Gynecologic Tumors
- ▶ Pediatric –UNM CCC Collaborative Effort



Survivorship Clinic

- Provides Multi-Disciplinary Follow-up for > 600 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



Pediatric Neuro-Oncology

- ▶ 20 New Diagnoses/YR
- ▶ Collaboration with Neurosurgery
 - Dr. Kim Foster
- ▶ UNM CCC Brain Tumor Program



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

Clinical Trials – Pediatric Oncology

A comprehensive clinical trials team meets weekly to discuss enrollments and study issues. The current open study portfolio includes:

- 10 Biology Studies
- 45 Therapeutic Trials
- 15 Cancer Control, Epidemiology, Late Effects and Pharmacologic PK/PD Studies



Education

Pediatric Hematology/Oncology

- **Medical Student/Resident Education**
 - Clinical Rotations: 17 residents
 - Medical Student Lectures: 130
 - Tumor Boards, Radiology Rounds, Patient Care Conferences
 - Medical Student Teaching
 - Consistently Outstanding Teaching Scores
- **Professional Presentations**
- **Community Outreach**

Research – Pediatric Hematology/Oncology

- 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 National Cancer Institute - 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: 4

Clinical Translational Opportunities

- Precision Medicine
 - Investigator –Initiated Trial
 - Molecular Tumor Board
- Match Study: COG
- Monoclonal Antibodies
 - Blinatumomab
- Cellular Therapies
 - Car T



Pediatric Oncology Summary

■ Clinical Service

- Pediatric Specialists/ Pediatric-focused
- Medium + -sized program: Care of infants, children, adolescents (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

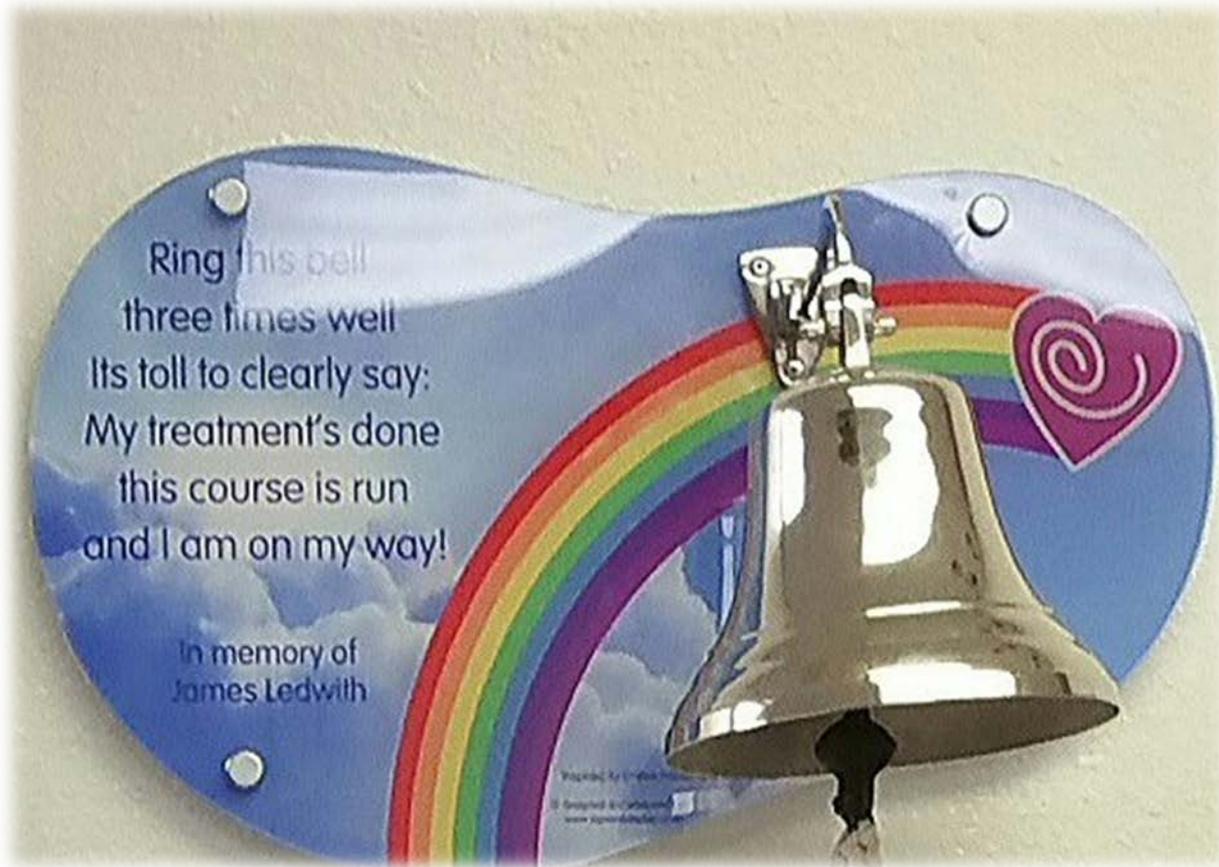
- Clinical Research: outstanding recruitment and conduct of clinical trials
- National leadership in clinical research /nationally recognized investigators
- Laboratory research: T-cell malignancies
- Mentoring of residents and medical students

■ Education

- Mentoring and Teaching: Residency and Medical Student
- Consultation and co-ordination of care

■ Program Development

- Comprehensive Brain Tumor Program (UNMCCC)
- Adolescent and Young Adult Program: (leukemia, lymphoma, sarcoma & gynecologic Ca)
- *Vascular-Lymphatic Malformations Program*



Ring this bell
three times well
Its toll to clearly say:
My treatment's done
this course is run
and I am on my way!

In memory of
James Ledwith

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Pediatric Hematology/Oncology

FY 2018 Budget

REVENUES:	\$	%
Tobacco Settlement Fund Allocation	250,000	10
General Fund	1,067,160	42
I&G	513,915	20
Clinical	627,468	24
Contracts and Grants	128,640	5
Internal Transfers & Allocations	(58,077)	-2
Other Revenue	29,000	1
Total Revenue	\$2,558,106	
EXPENSES		
Total Compensation	2,358,440	92
Total Operating Expense Other	199,666	8
Total Expenses	\$2,558,106	

- *Supports our mission to deliver outstanding care to the Children of New Mexico*
 - *Nursing specialists, education, Social Work*
- *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?