

**UK**HealthCare®  
Markey Cancer Center

**NCI·CC**

A Cancer Center Designated by the  
National Cancer Institute

## **Markey Cancer Center and National Cancer Institute Designation Update**

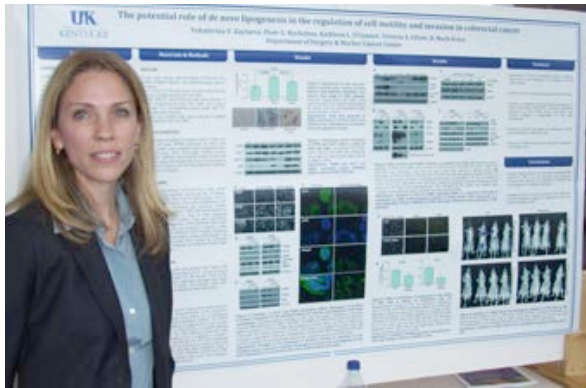
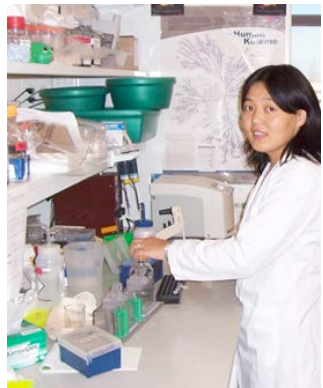
**B. Mark Evers, MD**

**Director, Markey Cancer Center**

**April 25, 2014**

# Our Mission

- **To reduce cancer mortality in our region through a comprehensive program of cancer research, treatment, education, and community engagement with a particular focus on the underserved population of Appalachian Kentucky.**



*Markey makes a difference.*

# Significant Burden of Cancer in Kentucky

- **1<sup>st</sup>** in the nation in overall cancer mortality rate
- **1<sup>st</sup>** in the nation in incidence rate for all cancer sites
  - **Lung and bronchus (1<sup>st</sup>)**; colon and rectum (1<sup>st</sup>); **larynx (1<sup>st</sup>)**; kidney and pelvis (2<sup>nd</sup>); **oral cavity and pharynx (3<sup>rd</sup>)**; brain (7<sup>th</sup>); non-Hodgkin's lymphoma (7<sup>th</sup>); melanomas of the skin (8<sup>th</sup>); cervix (9<sup>th</sup>)
- **Cancer incidence and mortality are highest in Appalachia, especially for lung, colorectal, and cervical cancer**

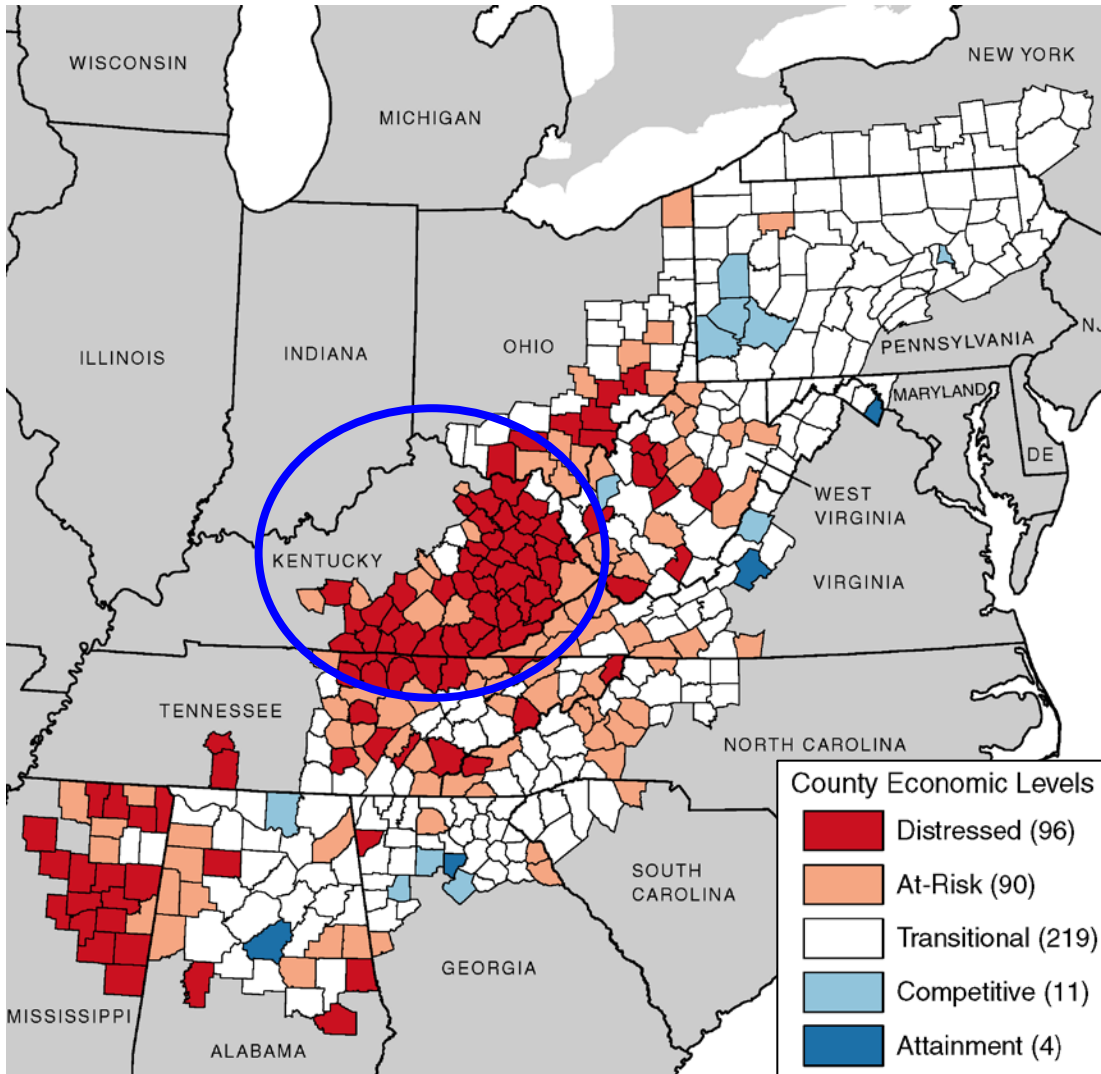
Age-adjusted cancer mortality rates, 2006-2010

	All Cancers	Lung	Larynx	Oral Cavity/Pharynx
U.S.	180.2	51.3	1.2	2.4
Kentucky <sup>†</sup>	209.5	73.2	1.5	2.7
Appalachian Kentucky*	227.9	83.4	1.7	2.9

<sup>†</sup> p<0.01 vs U.S. as a whole; \* p<0.05 vs non-Appalachian Kentucky. SEER\*Stat., and Kentucky Cancer Registry.



# Appalachian Kentucky



**Appalachian county economic status (2011-12)**

↑ **Cancer**



↑ **Smoking**



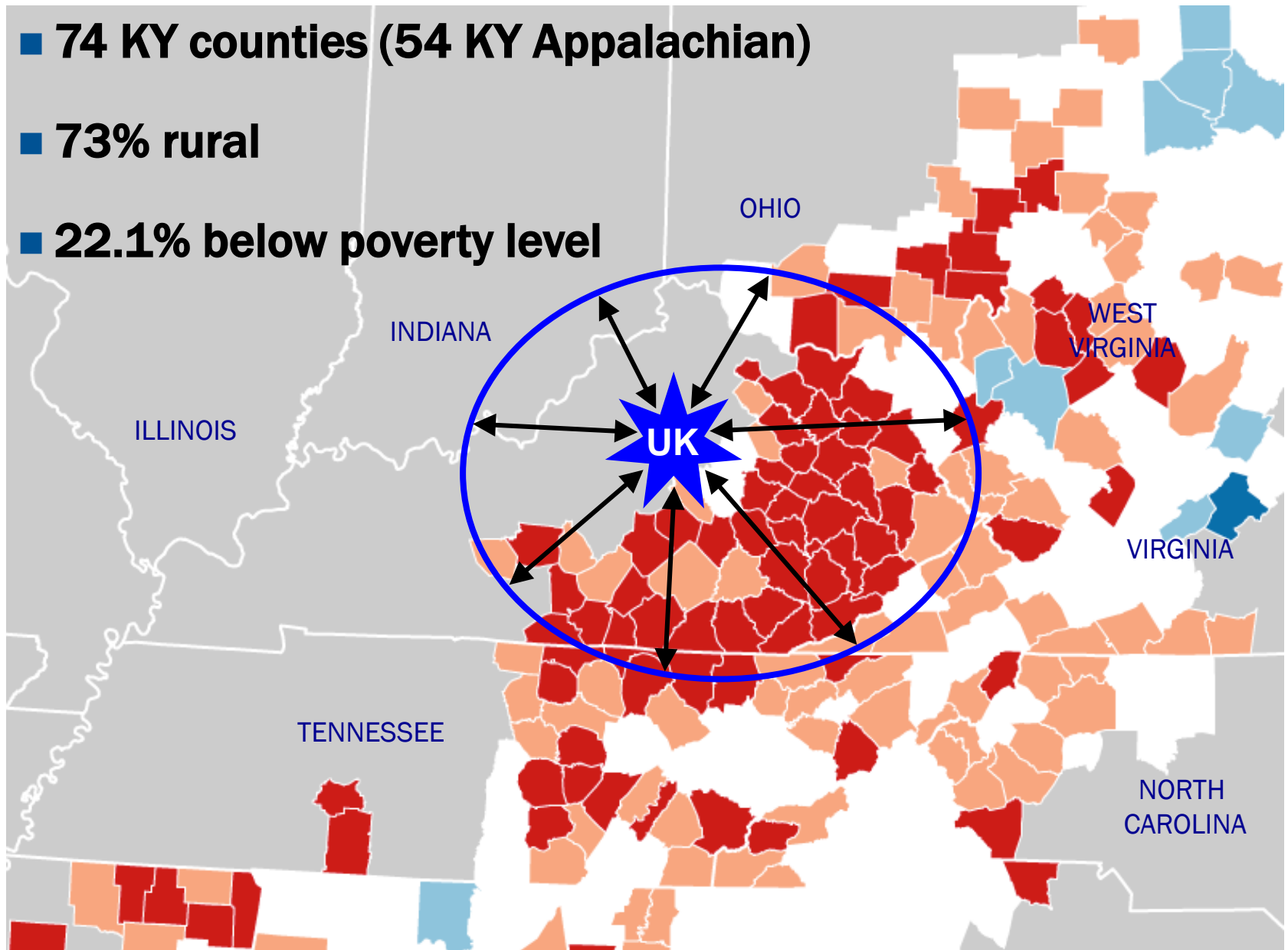
↑ **Obesity**



↑ **Poverty**

# MCC Catchment Area

- 74 KY counties (54 KY Appalachian)
- 73% rural
- 22.1% below poverty level



# **Markey Cancer Center Affiliate and Research Networks**

# MCC Affiliate Network 2014

## Affiliates

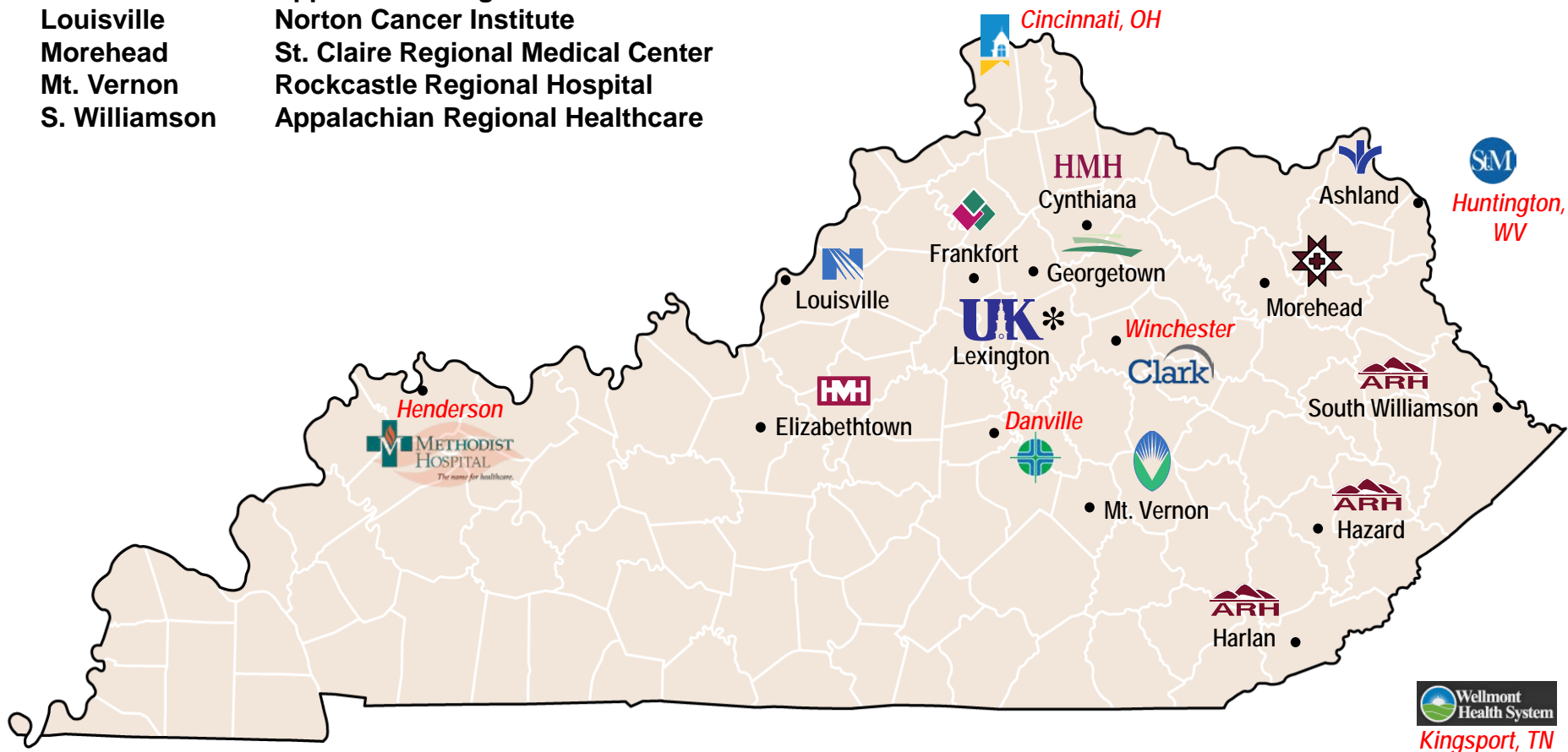
Ashland  
 Cynthiana  
 Elizabethtown  
 Frankfort  
 Georgetown  
 Harlan  
 Hazard  
 Louisville  
 Morehead  
 Mt. Vernon  
 S. Williamson

Our Lady of Bellefonte Hospital  
 Harrison Memorial Hospital  
 Hardin Memorial Hospital  
 Frankfort Regional Medical Center  
 Georgetown Community Hospital  
 Appalachian Regional Healthcare  
 Appalachian Regional Healthcare  
 Norton Cancer Institute  
 St. Claire Regional Medical Center  
 Rockcastle Regional Hospital  
 Appalachian Regional Healthcare

## Potential Future Affiliates

Danville  
 Henderson  
 Winchester  
 Cincinnati  
 Huntington

Ephraim McDowell Cancer Center  
 Methodist Hospital  
 Clark Regional Medical Center  
 The Christ Hospital Health Network  
 St. Mary's Medical Center



# MCC Affiliate Relationships

- **Mission – To enhance access to high quality cancer services and programs through partnerships with community hospitals**
- **Vision – For all Kentuckians to have access to high-quality cancer care irrespective of their place of residence**



# Commitment to Excellence in Research

- **Expansion of Markey Cancer Center trials**
- **Achieve this through collaborative efforts and defined responsibilities**
- **Contributions to clinical trials**
  - 1. Referral**
    - ✓ Patient access to important therapeutic trials
    - ✓ Simplified process
  - 2. Clinical Trial Conduct**
    - ✓ Resources
    - ✓ Commitments
    - ✓ Engagement
    - ✓ Regulatory responsibilities



# Markey Cancer Center Research Network

- **Centralized management of all collaborative clinical research initiatives**

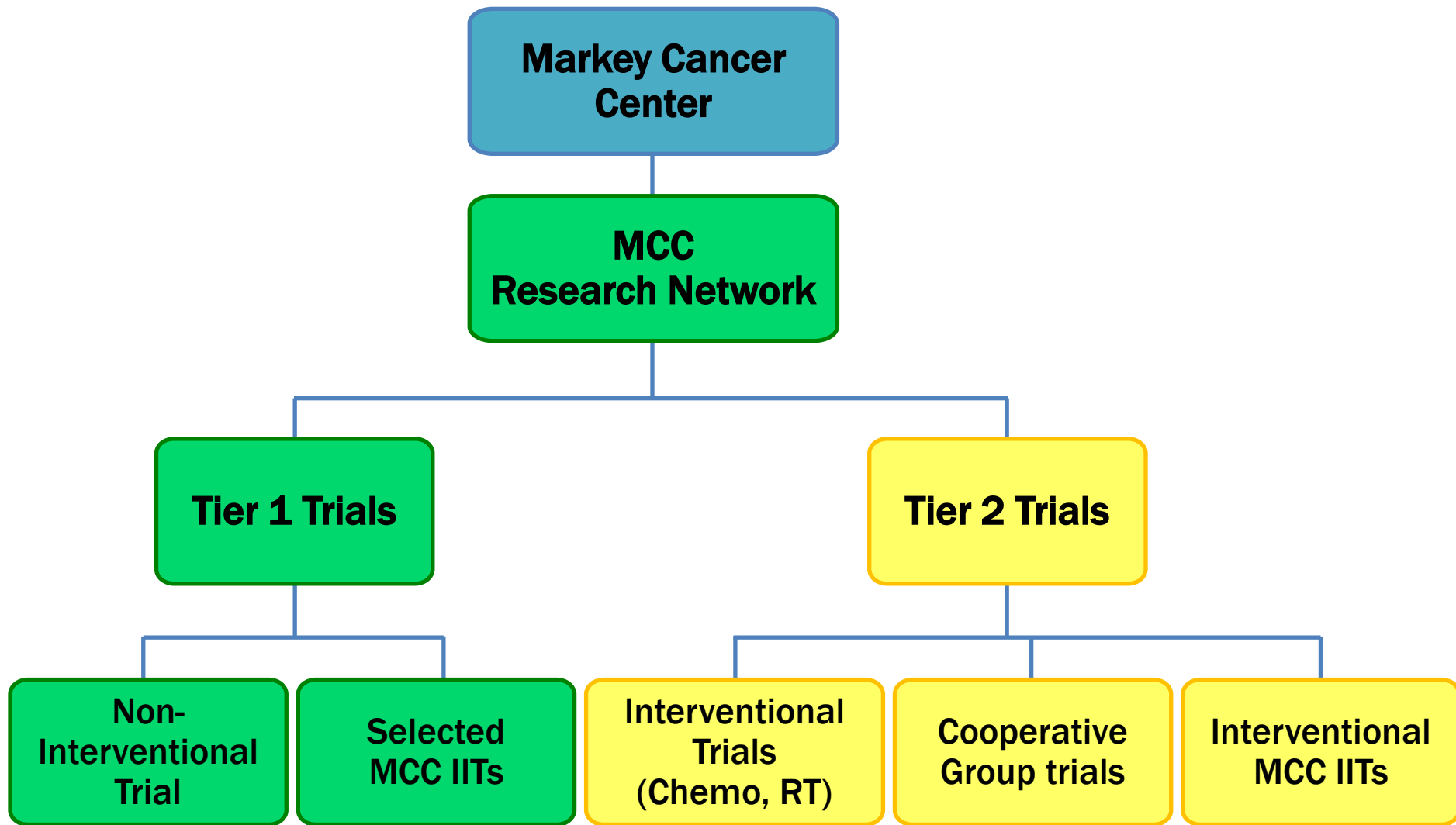


- ✓ **Portfolio contributes to MCC research goals and priorities**
- ✓ **Assures commitments to research partners**
- ✓ **Assures research quality & compliance**

# MCCRN Mission

- **To increase the number of Kentuckians and regional Appalachian populations enrolled to cancer clinical trials through a network of collaborative centers committed to delivery of research excellence.**
- **To provide innovative clinical trials, support and education for our research centers and scrupulous quality assurance.**

# MCCRN Infrastructure & Membership Tiers

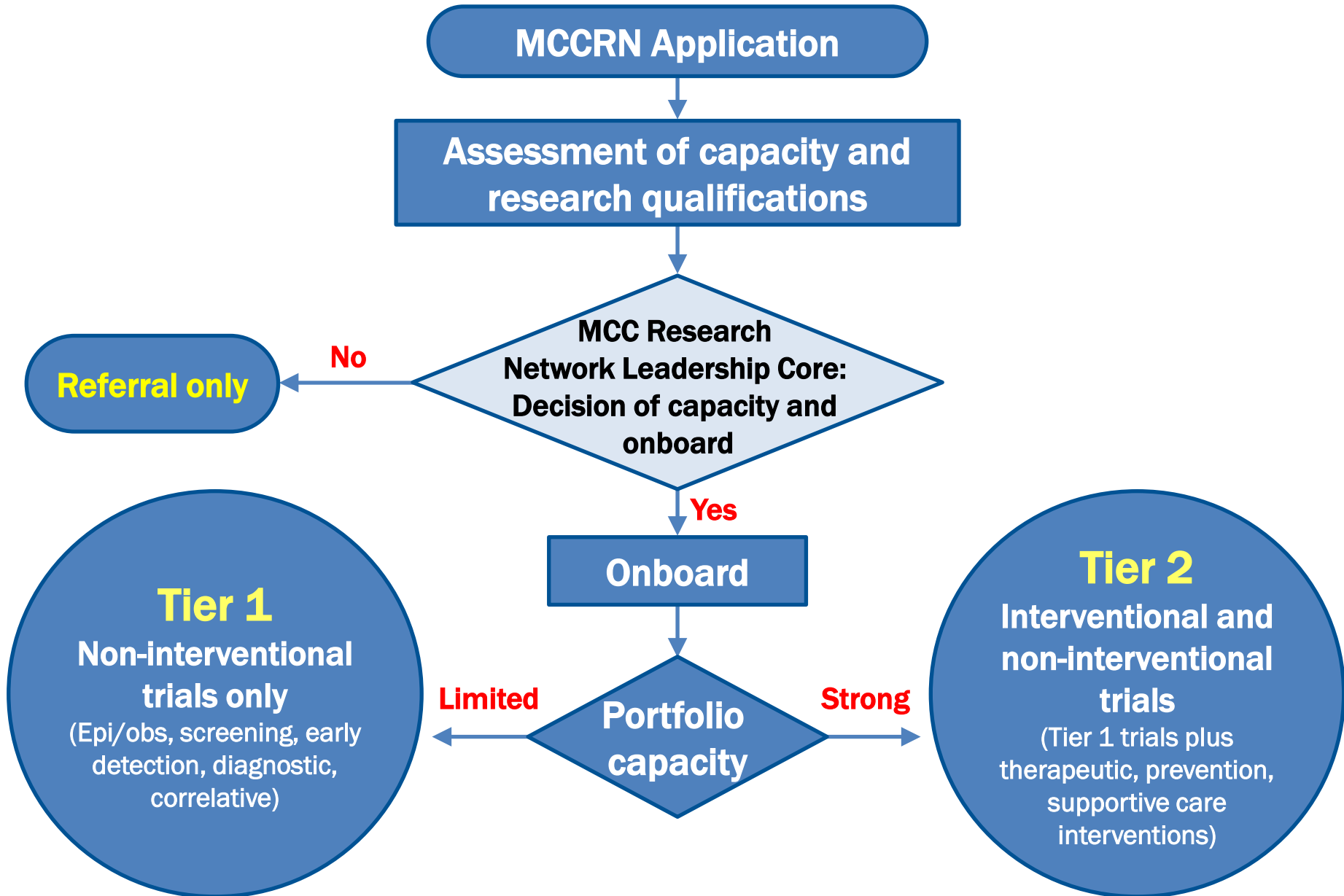


# MCCRN Site Commitments

- ✓ **Research Personnel**
- ✓ **Code of Federal Regulations (CFR)**
- ✓ **Ethical Research Principles**
- ✓ **Institutional Assurance (FWA) with OHRP**
- ✓ **Registered IRB (local or commercial)**
- ✓ **Cooperative Group Requirements**
- ✓ **Annual Accrual Requirements**



# MCCRN Application Process



# MCCRN Onboarding Process



Site Visits

Formal Assessment Visits

# **Markey Cancer Center Programs and Services**

# Programs and Services: Overview

- **Markey Cancer Center provides multi-disciplinary cancer care for all major cancers, including:**

- **Brain**
- **Breast**
- **Gastrointestinal**
- **Gynecologic**
- **Head and Neck**
- **Leukemia**
- **Lymphoma**
- **Lung**
- **Skin/Melanoma**
- **Myeloma and other blood disorders**
- **Sarcoma**
- **Urologic**

- **Advanced specialty services:**

- **Blood and marrow transplantation**
- **Esophageal cancer**
- **Head and Neck cancer**
- **Hepatobiliary / pancreatic cancers**
- **Neuroendocrine tumors**
- **Orthopedic / Musculoskeletal cancers**

- **State-of-the-art treatment includes:**

- **Brain & Body Radiosurgery Program**
- **Gamma Knife Radiosurgery**
- **TomoTherapy**

# Resources

## ■ Patient Services include:

- Clinical dietitian
- Patient support groups
- Genetic counseling
- Jin Shin Jyutsu
- Palliative Care Service
- Psych-Oncology Services
- Breast prostheses
- Wig services
- Health Education Center

## ■ Local Partnerships:

- American Cancer Society Hope Lodge
- Kentucky Cancer Program

## ■ Inpatient Facilities:

- 15 Bed BMT Unit (HEPA-air filtration)
- 40 Dedicated Inpatient Oncology Rooms

## ■ Outpatient Facilities: (Patient Care)

- Whitney-Hendrickson Cancer Facility
  - Ben F. Roach Cancer Care Facility





# **New Faculty and Staff**

# Obstetrics and Gynecology



**Leslie A. Appiah, MD**  
**Director of Oncofertility**

# Surgical Oncology

- **Shubham Gupta, MD — Urology**
- **Andrew James, MD — Urology**
- **Jitesh Patel, MD — Colorectal Surgery**
- **Ching-Wei Tzeng, MD — GI, Pancreas and Liver**
- **Erin Maynard, MD — Hepatobiliary, Pancreas**

# Medical Oncology

- **Peter Hossein, MD — Melanoma, Sarcoma, GI**
- **Ravneet Thind, MD — GU, Neuro-oncology**
- **Peng Wang, MD, PhD — Melanoma, Sarcoma, GU**
- **Edward M. Wolin, MD — Neuroendocrine, GI**

# Hematology and Blood & Marrow Transplantation

- **Amit Goldberg, MD — Hematology and Blood & Marrow Transplantation**
- **Shams Shakil, MD — Hematology and Blood & Marrow Transplantation**



# Dentistry/Psychology

- **William Curtis, MD — Oral and Maxillofacial**
- **Ehab Shehata, MD — Oral and Maxillofacial**
- **Jessica Burris, PhD — Psychological Services**

# Melissa Hounshell

## Markey Director for Community Outreach



- Lead comprehensive cancer screening, prevention, education and outreach programs
- Enhance collaboration with Kentucky communities, with an emphasis on the eastern part of the state
- Promote utilization of Markey resources and services to ensure a broad regional impact

# NCI Designation

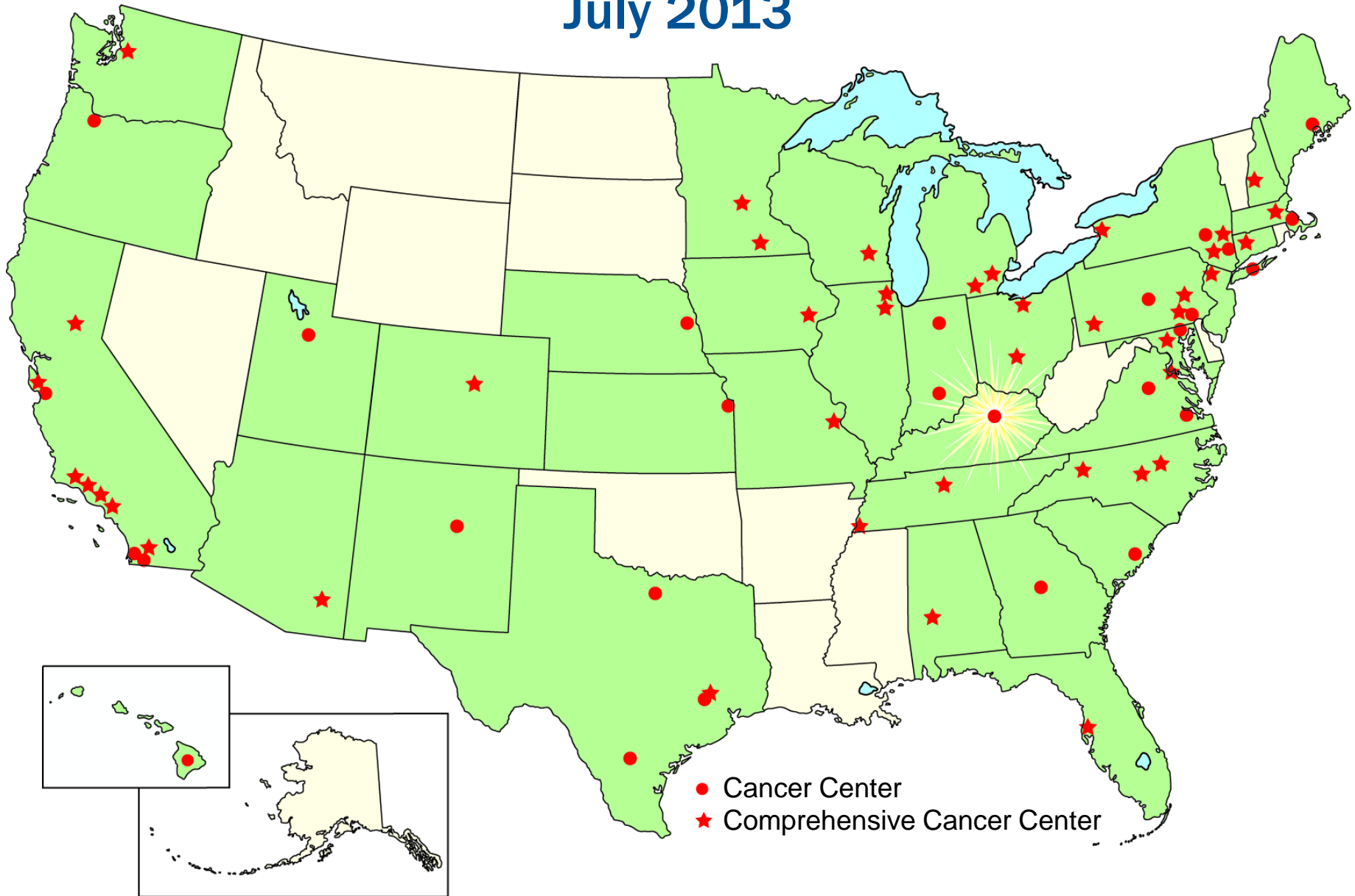
# The Path to Designation

- NCI Office of Cancer Centers Consultation – April 11, 2012
- Submission of grant – September 25, 2012
- Site visit – January 30, 2013
- Announcement – July 12, 2013



# NCI-Designated Cancer Centers

July 2013





# NCI Designation

- **Markey Cancer Center is the only NCI-designated cancer center in Kentucky and one of only 68 in the country**
  - Addition of nationally prominent clinical trials bringing the most advanced cancer care to patients in our region
  - Attraction of patients for second opinion consultations, clinical trials, and physicians by national reputation
  - Recruitment of nationally recognized faculty competitive for multiple research grants
  - Recruitment of top students and post-doctoral fellows to carry the research forward
  - The addition of unique funding opportunities only available to NCI-designated cancer centers, including construction grants for additional research space
  - Increased community engagement (volunteers, patient advisory groups, education and intervention programs)
  - Overall increase in the economy of Kentucky (more jobs, more money returned to the local economy, etc.)
  - Most importantly, NCI designation means that those living in the region will not have to travel far distances to find the most advanced care and clinical trials

# Critical Focus on Our Catchment Population

