#### What is ACCORDS?

Adult and Child Center for Outcomes Research and Delivery Science

#### ACCORDS is a 'one-stop shop' for pragmatic research:

- A multi-disciplinary, collaborative research environment to catalyze innovative and impactful research
- Strong methodological cores and programs, led by national experts
- Consultations & team-building for grant proposals
- Mentorship, training & support for junior faculty
- Extensive educational offerings, both locally and nationally







#### **ACCORDS Upcoming Events**

January 11, 2023	Hot Topics in Mixed Methods and Qualitative Research
Ed 2 North 1107	Presented by: Danielle Varda, PhD (Vision Network Labs)
January 23, 2023	Methods and Challenges in Conducting Health Equity Research
Ed 2 North 1103	Presented by: Danielle Beatty Moody, PhD (UMBC)
January 25, 2023	ACCORDS/CCTSI Community Engagement Forum
*Virtual	Pathways to Sustainability and Community Empowerment
February 1, 2023	Hot Topics in Mixed Methods and Qualitative Research
Ed 2 North 1107	Presented by: Jeffrey Robinson, PhD (Portland State University)
June 5-6, 2023	COPRH Con 2023 Reassessing the Evidence: What is Needed for Real World Research and Practice
10:00 -3:00 PM MT	Registration opens January 2023

<sup>\*</sup>all times 12-1pm MT unless otherwise noted





## Methods and Challenges in Conducting Health Equity Research 2022-2023 Seminar Series

Basketball, Bloodlines,
Bourbon, and Burley:
Community-Engaged
Research to Change the Lung
Cancer Landscape in
Kentucky



Presented by:

Jamie Studts, PhD





## Basketball, Bloodlines, Bourbon, and Burley: Community-Engaged Research to Change the Lung Cancer Landscape in Kentucky

### Jamie L. Studts, PhD

Professor of Medical Oncology
Scientific Director of Behavioral Oncology
Co-Leader of Cancer Prevention and Control
Co-Director of Population Health Shared Resource
Member, Thoracic Oncology Research Initiative







### Faculty Disclosure/Transparency

#### Potential Perceived Conflicts of Interest

- Provide consultation to J&J on an effort to increase engagement with lung cancer screening in novel settings.
- Serve on an Advisory Board for the Lung Ambition Alliance, which is supported by AstraZeneca.
- Provide consultation to Genentech regarding implementation of lung cancer screening.
- Member of the Scientific Leadership Council for the GO2 for Lung Cancer.
- Research funding from the National Cancer Institute, the American Cancer Society, the Bristol Myers Squibb Foundation, and the Centers for Disease Control and Prevention.







### Facts & Figures 2022

"The Lung Cancer Good News Report"

#### Incidence Trends

• "From 2009 to 2018, the (lung cancer incidence) rate decreased by 2.8% per year in men and by 1.4% per year in women."

#### Mortality Trends

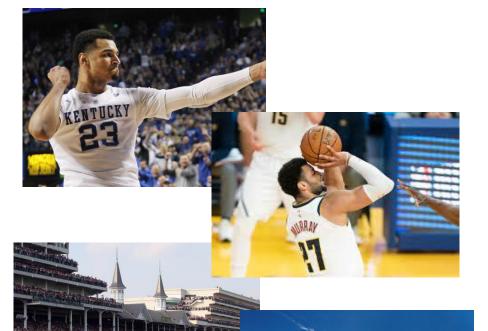
- "Lung cancer mortality rates have declined by 56% since 1990 in men and by 32% since 2002 in women."
- "...from 2015 to 2019, the rate decreased by about 5% per year in men and 4% per year in women."

#### Survival

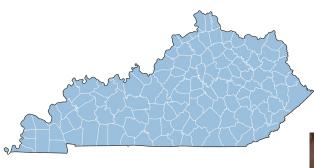
 "The 5-year relative survival rate for lung cancer is 22% overall (18% for men and 25% for women); 26% for NSCLC; and 7% for SCLC."







## Kentucky



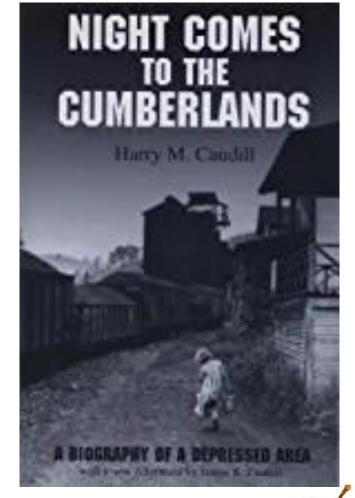
## Also Kentucky







#### Can-tuck-ee or Kain-tuck-ee?



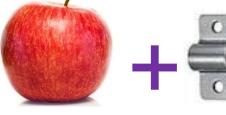


















#### Kentucky is among the Top 5 worst states for:



All site cancer incidence and mortality



Leukemia mortality



Lung Cancer incidence and mortality



Non-Hodgkin lymphoma mortality



Colorectal cancer incidence and mortality



Adults who currently smoke



Oral cancer incidence and mortality



Adults with no physical activity



Kidney cancer incidence and mortality



Youth obesity



Cervical cancer incidence



New Hepatitis C infections



Brain cancer incidence



People living in poverty



Melanoma mortality



Adults without a bachelor's degree







## Lung Cancer Epidemiology – Setting the Table

#### Lung cancer <u>incidence</u> rate

■ USA 65.8 (men)

Colorado 43.1 (men)

• Kentucky: 104.6 (men)

50.8 (women)

38.5 (women)

76.9 (women)

#### Lung cancer <u>mortality</u> rate

■ USA: 44.5 (men)

Colorado28.2 (men)

• *Kentucky:* 71.3 (men)

30.7 (women)

23.1 (women)

47.0 (women)

#### Adult <u>smoking rate</u> (2020)

■ USA 12.5%

■ Colorado 14.5%

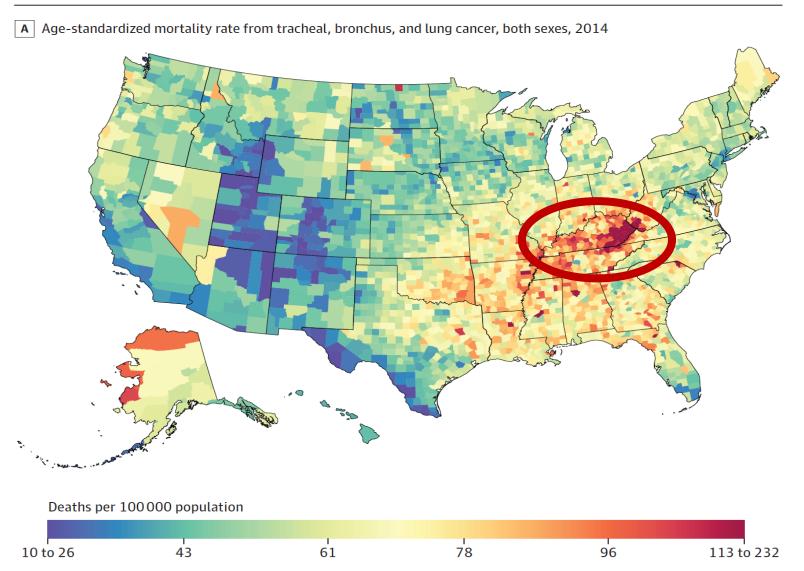
• *Kentucky* 23.5%







Figure 2. County-Level Mortality From Tracheal, Bronchus, and Lung Cancer



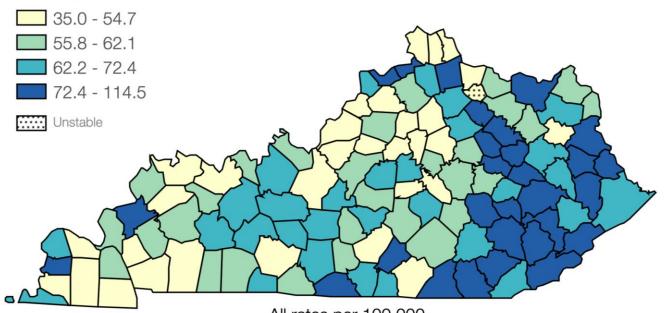




## The lung cancer burden is not equally distributed across Kentucky.

Age-Adjusted Cancer Mortality Rates in Kentucky Lung and Bronchus, 2015 - 2019 By County Age-Adjusted to the 2000 U.S. Standard Million Population

Kentucky Rate: 56.9 / per 100,000



All rates per 100,000.

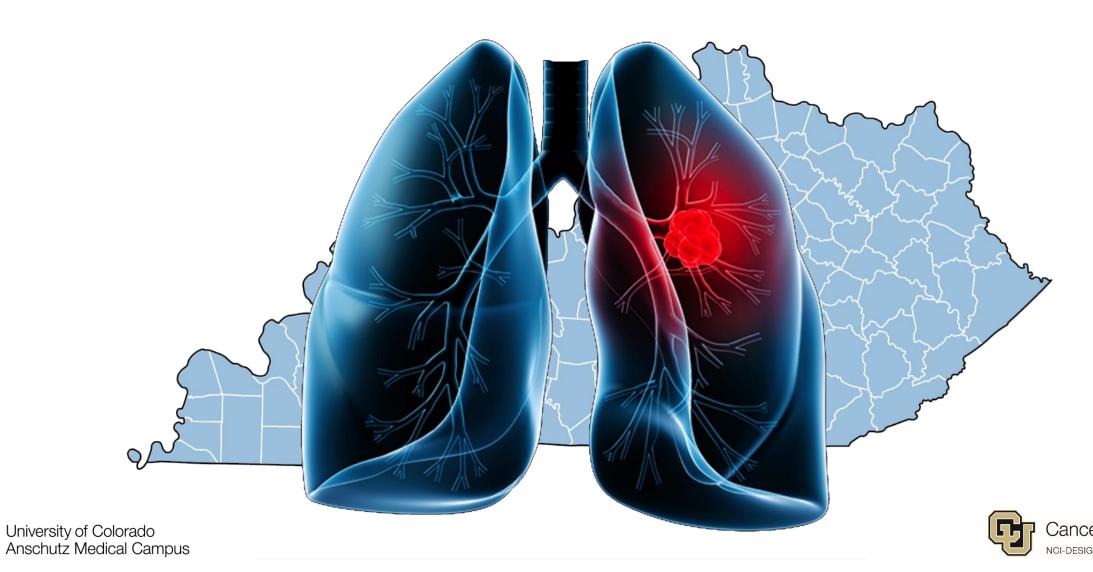
Data accessed December 18, 2022. Based on data released July 2021. Data for 20092018 is preliminary.

© 2022 Kentucky Cancer Registry.





## The Commonwealth's Cancer

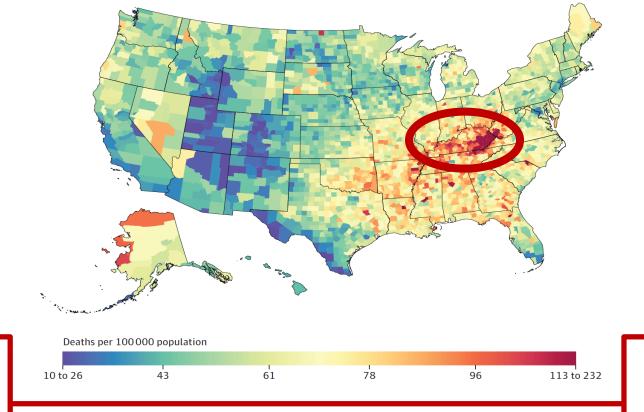


#1 in Adolescent Smoking #1
in Lung Cancer

Figure 2. County-Level Mortality From Tracheal, Bronchus, and Lung Cancer

A Age-standardized mortality rate from tracheal, bronchus, and lung cancer, both sexes, 2014

#1 in Adult Smoking



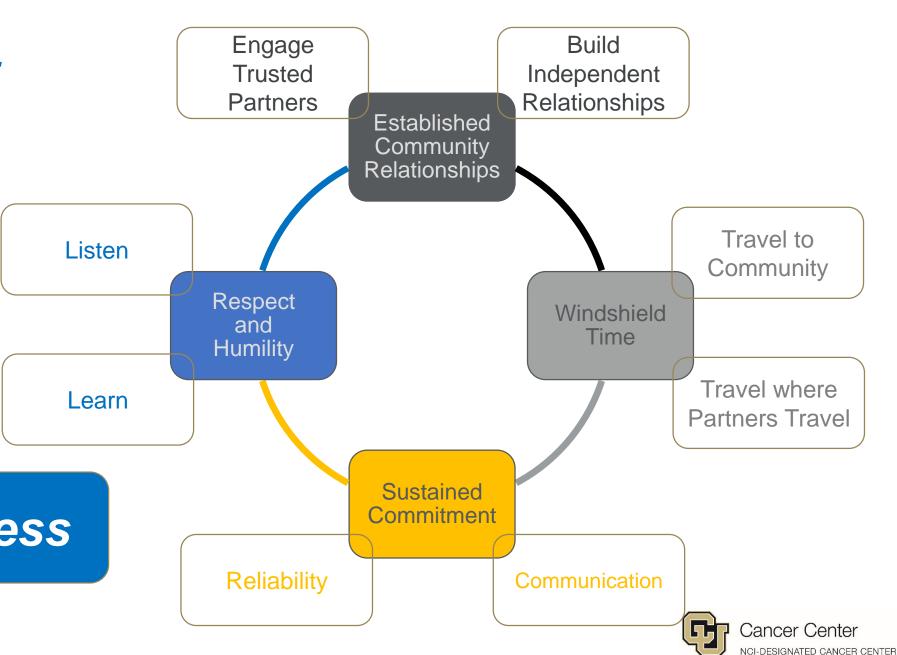
#1
in Lung Cancer
Incidence





## The Colonel's Not-So-Secret

Recipe for Community Engaged Research in Kentucky.



trustworthiness



# The Story of the Kentucky LEADS Collaborative

Jamie L. Studts, PhD Timothy Wm. Mullett, MD, MBA Jennifer Knight, DrPH









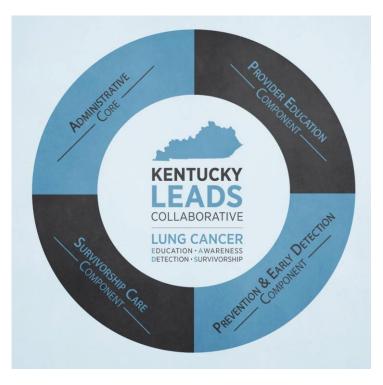
COLLABORATIVE™

### **LUNG CANCER**

EDUCATION · AWARENESS DETECTION · SURVIVORSHIP



## The Kentucky LEADS Collaborative



- Administrative Core
- Project 1: Provider Education
- Project 2: Survivorship Care
- Project 3: Prevention & Early Detection

## The Kentucky LEADS Collaborative

#### Community-Engaged

- 14 unique implementation sites throughout KY
- Over 100 additional community partners & organizations
- Integration of community and medical advisory boards

#### Interdisciplinary

 Oncology, nursing, social work, palliative care, education, public health, communication, advocacy, psychology

#### Multi-Level

- Health Systems/Lung Cancer Screening Programs
- Healthcare clinicians
- Individuals diagnosed with lung cancer and caregivers

"Dedicated to reducing the burden of lung cancer in Kentucky and beyond through development, evaluation, and dissemination of novel, community-based interventions to promote provider education, survivorship care, and prevention and early detection regarding lung cancer."





## Kentucky LEADS Collaborative



Component 1:

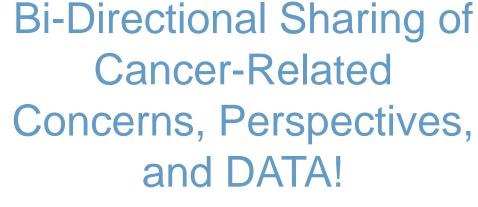
**Provider Education** 







## The Great Kentucky Lung Cancer Screening Road Show







Cancer Center

Annual Meetings
(District Cancer Councils)



## Approach to the District Cancer Council Meetings







## The Kentucky Lung Cancer Screening Road Show (2013-2014)



- Directly reached hundreds of clinicians and engaged community members throughout the state
- Indirectly reached thousands of clinicians and community members through media coverage (e.g., tv, radio, newspaper)
- Conclusions/Accomplishments
  - 1) Tremendous engagement/attendance throughout the state
  - 2) Significant interest in screening among clinicians and community
  - 3) Pockets of apprehension, concerns, skepticism, and frank stigma
  - 4) Recognition that extensive additional efforts would be needed





#### Provider Education Efforts

#### Four Educational Offerings:

- 1) Academic Detailing (January, 2016)
- 2) Large Group Presentations (February, 2016)
- 3) Online Training Course (April, 2016)
- Webinars (March, 2017)











## REACH: Primary Care Clinicians and Staff

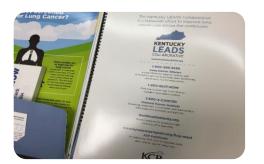
Intervention		Е	PCPs ducated	Non-PCPs Educated
Academic Detailing			985	922
Large Group Presentation			254	285
Online Courses	Educational Efforts		79	34
Webinar	Elloit	ي ک	85	32
TOTAL			1.403	1,273



Establishing Social Norms



Provider	Total	
Type	Educated	
MD/DO	631	
NP	511	
PA	101	







## Kentucky LEADS Collaborative



## Component 2:

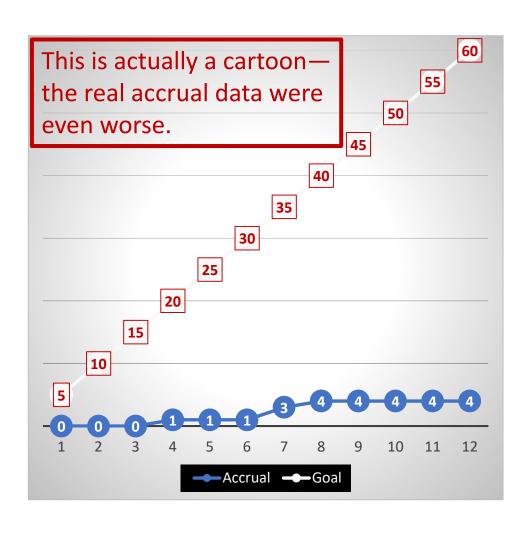
Lung Cancer Survivorship







## What level of interest do individuals with lung cancer have in psychosocial programs?

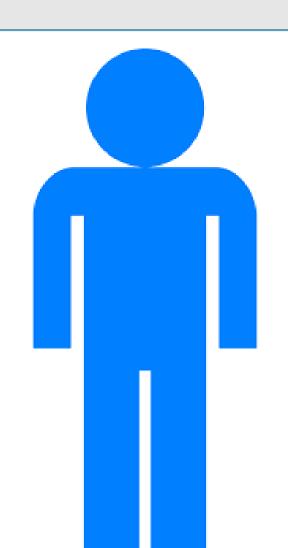


- ❖ Funded Randomized Clinical Trial for Lung Cancer Survivors, comparing supportiveexpressive therapy (SET) and mindfulness-based stress reduction (MBSR). [circa 2001]
- Transitioned to a cross-sectional survey to generate some data addressing the psychosocial experience of lung cancer.

## Who is the average lung cancer survivor?

- Male
- 70 years of age or older
- Substantial tobacco use history
- Likely to have military experience
- Multiple comorbidities
- May reside in a rural area
- May have economic constraints

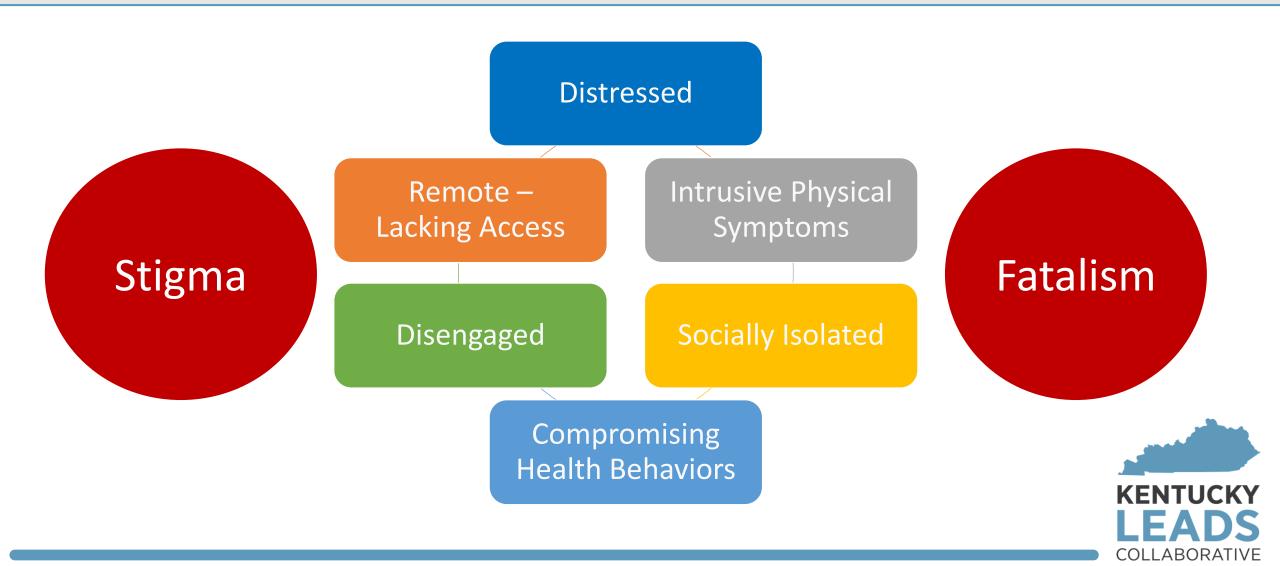
**Person-Centered Approach** 



Does this fit with our understanding of an individual who seeks a psychosocial survivorship interventions?



## What is the experience of lung cancer survivors?



## Implementing Solutions to Improving Individual-Level Access to Services



EDUCATION · AWARENESS
DETECTION · SURVIVORSHIP

Design for Efficacy?

Design for Dissemination?

Design for Acceptability!

Design for Adoption! (accessibility)

## Development Process for the Kentucky LEADS Collaborative Lung Cancer Survivorship Care Program

- 1) Convened an interdisciplinary team of clinicians, researchers, and advocates
- 2) Agreed to challenge assumptions/conventions regarding survivorship care
- 3) Reviewed literature and discussed practice knowledge base
- 4) Leveraged input from a diverse Community Advisory Board
- 5) Proposed and adopted fundamental principles and an approach that might enhance intervention acceptability
- 6) Selected module topics based on symptom burden and challenges
- Designed clinician-participant engagement to be partnering and collaborative rather than educational
- 8) Integrated participant preferences into intervention delivery



### Person or Patient-Centered Care Principles

### Partnering/Supportive Counseling Style



- Rogerian/Motivational Interviewing
- Coping with/Addressing stigma concerns
- Empathy over education

### Shared Decision Making (SDM)



- Adaptable (targeted and tailored content) that follows from Baseline Assessment and patient preferences
- Effort to maximize survivor acceptability of the intervention



## Precision Lung Cancer Survivorship

- The Kentucky LEADS Collaborative Lung Cancer Survivorship Care Program is a *Precision Medicine* approach to Survivorship.
  - By design, the intervention *targets* the most prevalent and distress symptoms and challenges associated with a lung cancer diagnosis.
  - By integrating patient preferences, the intervention is *tailored* to the unique needs of the survivor, the preferred delivery method, and the desired level of involvement of the social support network.







Modular Approach to Intervention Delivery – The Power to Choose

## The Kentucky LEADS Collaborative Lung Cancer Survivorship Care Program

**Content Modules** 

Intervention Domains

Formative Resources

Conceptual Foundation



## What additional strategies were employed to enhance intervention <u>acceptability</u>?

- 1) Participants controlled their intervention content (menu).
- 2) Participants chose the order of the intervention content.
- 3) Participants chose whether or not to include a caregiver.
- 4) Participants chose the delivery platform. (in-person/phone)
- 5) Participants chose the frequency/duration of contact.



## What efforts were made to achieve intervention accessibility and methodologic feasibility?

- 1) Trained <u>local</u> as opposed to centralized interventionists.
- 2) Sites choose the interventionists / survivorship care specialists.
- 3) Develop/evaluate a sustainable (web-based) training platform.
- 4) Support <u>flexible delivery</u> (e.g., in-person, telephone, telehealth).
- 5) Create a digital **learning community** to support intervention.
- 6) Provide technical assistance for sustainable delivery.

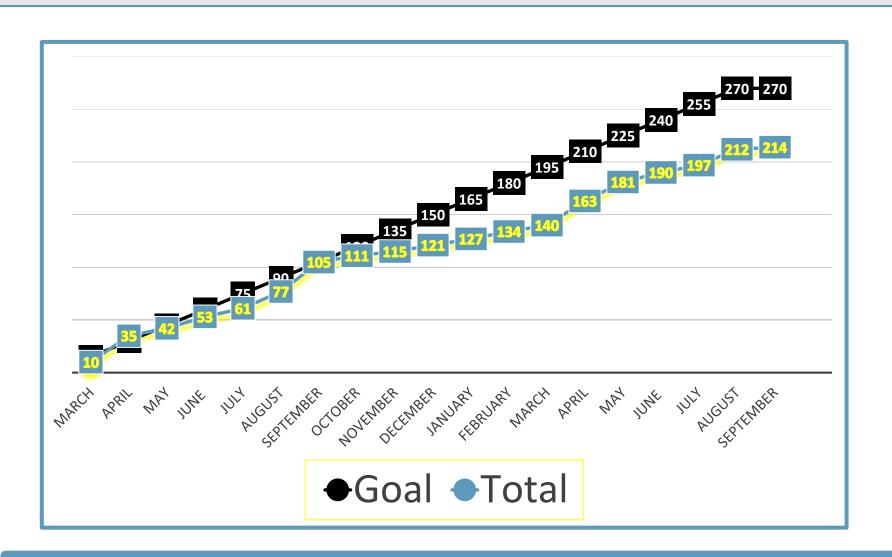


## So, did it work?



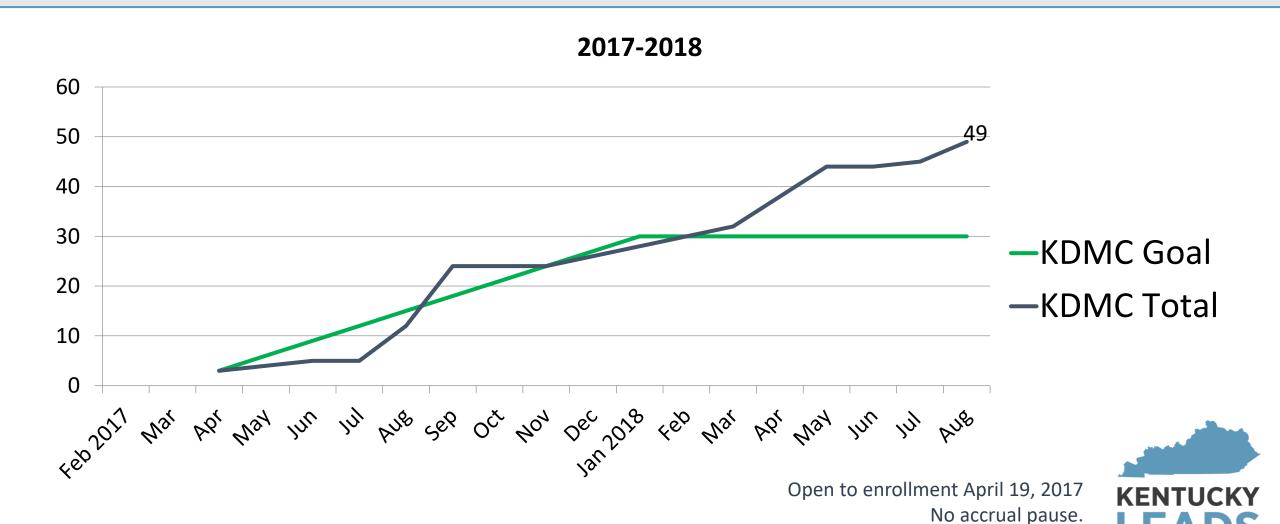
## EDUCATION · AWARENESS DETECTION · SURVIVORSHIP

#### The intervention acceptability signal was very encouraging!



- The trial was launched at 9 of the 10 planned sites.
- Accrual was uneven with some sites exceeding accrual expectations and others delayed in accrual.

#### Site Accrual Tracking – King's Daughters Medical Center



### SUMMARY: The Kentucky LEADS Collaborative Lung Cancer Survivorship Care Program

- 1) Very encouraging results with regard to intervention <u>acceptability</u>. (accrual of survivors, caregivers, and support from clinicians)
- 2) Support for methodological <u>feasibility</u>. (not discussed, but we collected complete data from approximately 50% of accrued participants (this was the goal, accounting for expected mortality).
- 3) Data analysis examining preliminary efficacy data is ongoing. (datasets are being cleaned and coded).
- 4) Training program for clinicians was impactful and well-received. (improving self-efficacy and empathy within lung cancer survivorship).
- 5) Move forward with a proposed randomized controlled trial, including an evaluation of cost-effectiveness.



### Kentucky LEADS Collaborative



Component 3:

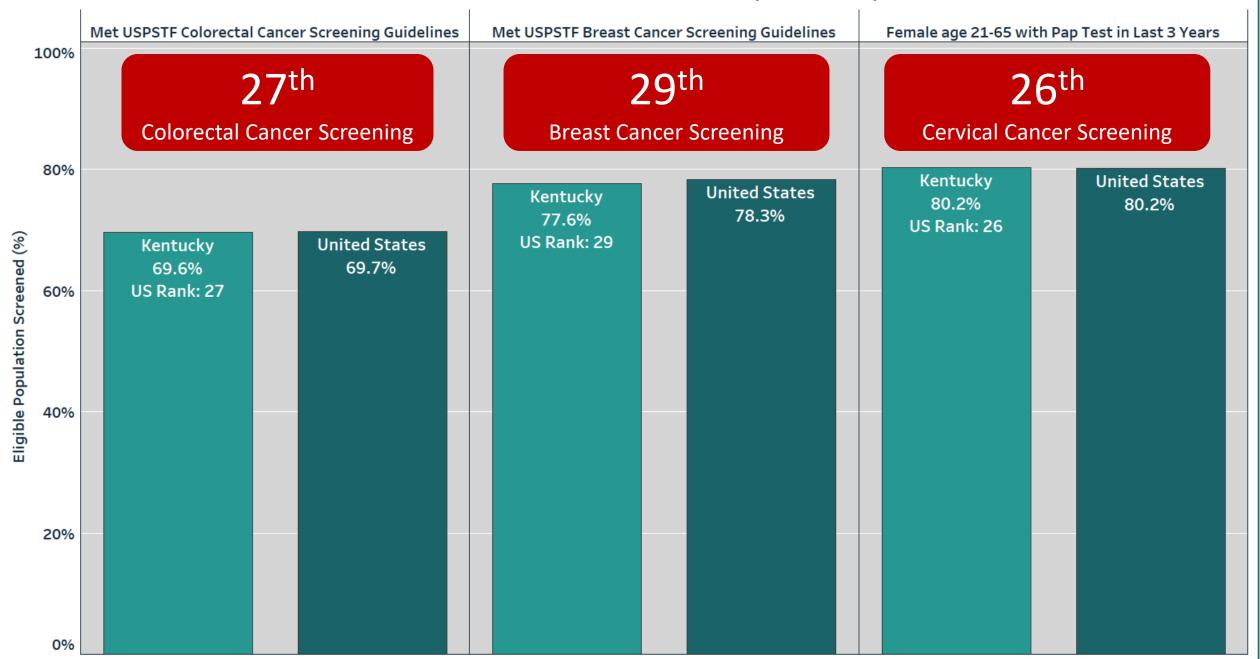
Prevention and Early Detection







#### Screening Rate Comparison, KY vs US (BRFSS, 2018)

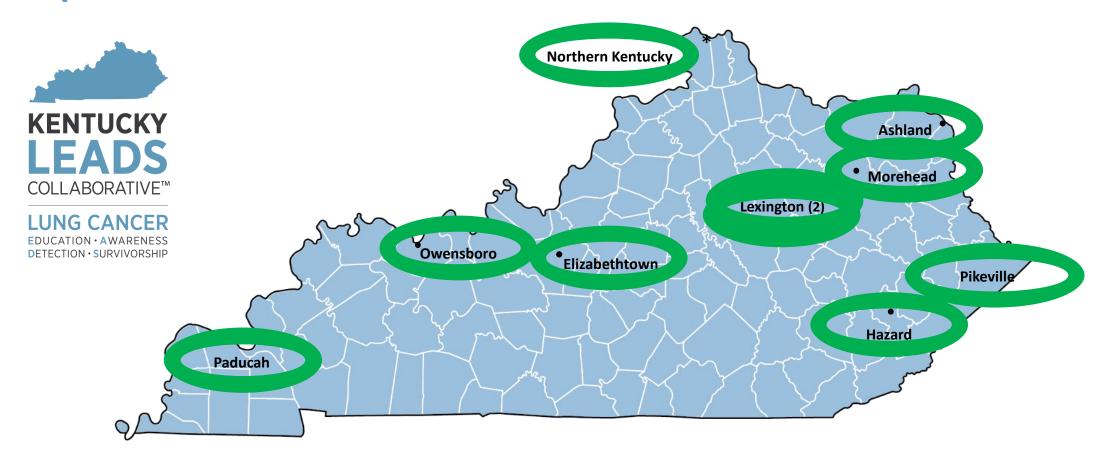


# There have been noteworthy concerns regarding quality implementation of lung cancer screening.

#### JAMA Internal Medicine | Original Investigation | LESS IS MORE Lung Cancer Screening With CHEST JOURNAL Evaluating Shared Decision Making for Lung Cancer Screening Low-Dose Computed Tomography In the United States—2010 to 2015 Lung cancer is the most preventable and leading cause of Albon T. Branner, PhD, MPH; Tart L. Malo, PhD, MPH; Marjone Margolis, MSPH; Jonnelor Enton Labba, PhD; Shymah James, MPH; Mahan B. Vil, DPPH, MPH; Daniel S. Roukand, MO, MPH cancer deaths in the United States, with about 155 870 ORIGINAL RESEARCH | ARTICLES IN PRESS deaths each year. In December 2013, the United States Shared Decision Making for Lung Cancer Screening: Preventive Services Task Force (USPSTF) recommended How Well are we "Sharing"? annual screening for lung cancer with low-dose computed Shawn P.E. Nishi, MD & S Lisa M. Lowenstein, PhD, MPH Tito R. Mendoza, PhD • tomography (LDCT) for asymptomatic persons aged 55 Published: February 05, 2021 . DOI: https://doi.org/10.1016/j.chest.2021.01.041 American Journal of Preventive Medicine RESEARCH ARTICLE Comparison of Observed Harms and Expected Mortality Benefit for Persons LESS IS MORE in the Veterans Health Affairs Lung Cancer Screening Use of CT and Chest Radiography for Lung Cancer Screening Before and After Publication of Screening Lung Cancer Screening Inconsistent With U. Tarantive Services Task Force Recommendate The Veterans Health Affairs (VHA) lung cancer screening (LCS) Guidelines: Intended and Unintended Uptake Demonstration Project demonstration project identified a much higher false DVM, PhD, Ashwini Soman, M The National Lung Screening Trial (NLST) released its main positive rate following initial low-dose computed tomo-PhD,<sup>5</sup> Simone C. Gray, P. graphic screening than did the National Lung Screening Trial findings in 2011, concluding that the use of low-dose com-Mary C. White, ScD1 Puted tomography (CT) to screen for lung cancer reduced false-positive results (nodlung cancer deaths by 20% compared with chest ules not confirmed to be lung cancer (LC) after follow-up) resulted in repeated imaxing.but radiography. 1,2 The subse-

In addition to supporting primary care, we need to work with LCS programs to facilitate implementation of high-quality LCS processes and smoothly translate results of the NLST and NELSON trials in routine practice.

### Prevention & Early Detection (PD) Implementation Sites



- 1. Baptist Health, Lexington
- 2. Baptist Health, Paducah
- 3. Hardin Memorial Hospital and Cancer Center, Elizabethtown
- 4. Hazard Appalachian Regional Healthcare, Hazard
- 5. St. Elizabeth Healthcare, Northern Kentucky

- 6) King's Daughters Medical Center, Ashland
- 7) Markey Cancer Center, Lexington
- 8) Owensboro Health, Owensboro
- 9) St. Claire Regional Medical Center, Morehead
- 10) Pikeville Medical Center, Pikeville

### QUILS System 1.0



**Assess Quality** (QUILS Index !.0)

Feedback System (QUILS Report 1.0)

Resource Portal (QUILS Portal 1.0)

**Technical Support** (QUILS Support 1.0)

Program Data Reporting

Program Policies and Practices Interviews

Program Domains	Item	Screening Element Scoring	Maximum Score	Site Score
Eligibility	- 1	Screening Eligibility Policy	5	
Eligibility	2	Screening Frequency & Duration Policy	5	
Radiology	3	LDCT Performance	5	
Radiology	4	Lung Nodule Identification	5	
Radiology	5	Structured Results Reporting	5	
Radiology	6	Lung Nodule Management Algorithm	5	
Team	7	Interdisciplinary Clinical Team	5	
Team	8	Team Review of Radiology Results	5	
Prevention	9	Tobacco Treatment Interventions	5	
Prevention	10	Tobacco Treatment Targets	5	
Prevention	11	Second-Hand Smoke Prevention/Educ	3	
Prevention	12	Radon Prevention Education	2	
Patient	13	Shared Decision Making	5	
Patient	14	Engagement and Retention Methods	5	
Community	15	Responsible Marketing and Outreach	5	
Community	16	Provider Outreach	5	
Total		Summary Score	75	
Converted		Total Converted Summary Score	100	



KY LEADS: Lung Cance

- Study CME/CE Module



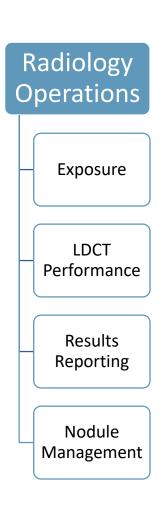
study online medical education and a toolkit that includes resources for lung cano

radiologists, pulmonologists, surgeons, patient navigators, research nurses/coordinators, referring primary care physicians and others engaged in the implementation and management of the lung cancer screening program at your



#### QUILS Index 1.0 Overview, Domains, and Elements

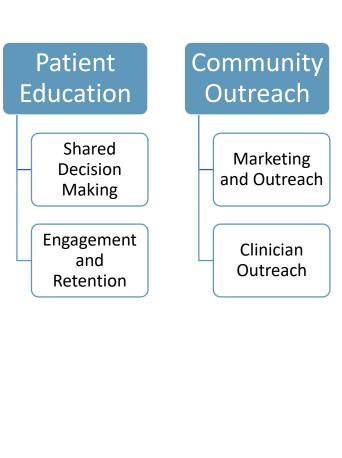
# Screening Eligibility Algorithm Frequency Duration



### Team Operations Clinical Team Review of Results

#### Prevention **Efforts** Tobacco Interventions Tobacco **Targets** Secondhand Smoke Radon

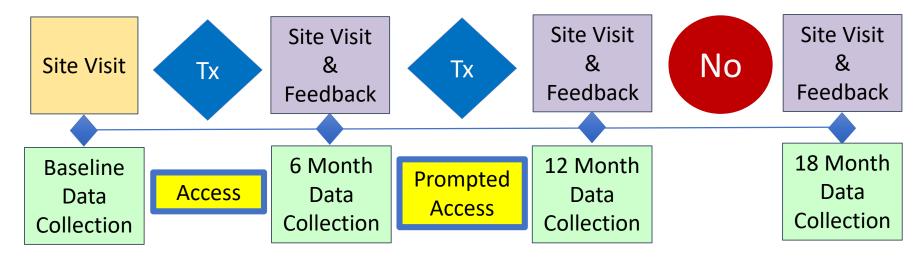
Counseling





#### Kentucky LEADS Collaborative Prevention & Early Detection Study Schema

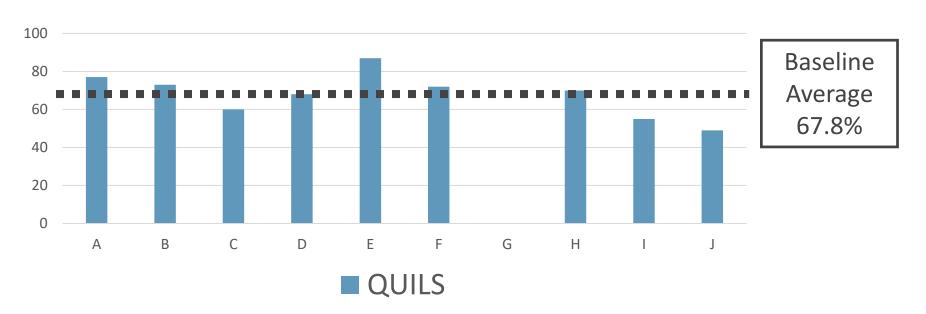




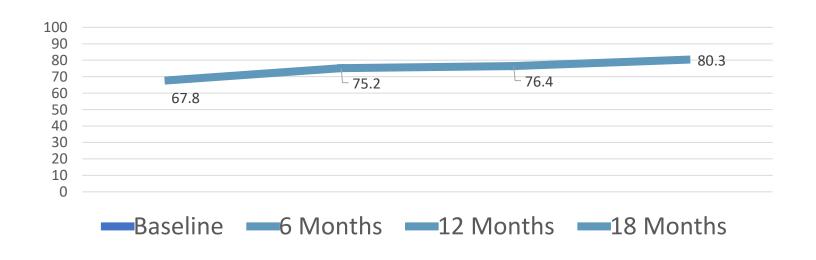
#### **Data Sources for Evaluation**

- 1) Team Member Interviews (Structured and Semi-Structured)
- 2) Program Surveys (Standardized IS Instruments)
- 3) Program Database Extraction (Enhanced Common Database)

#### Overall Baseline QUILS Score (0-100)

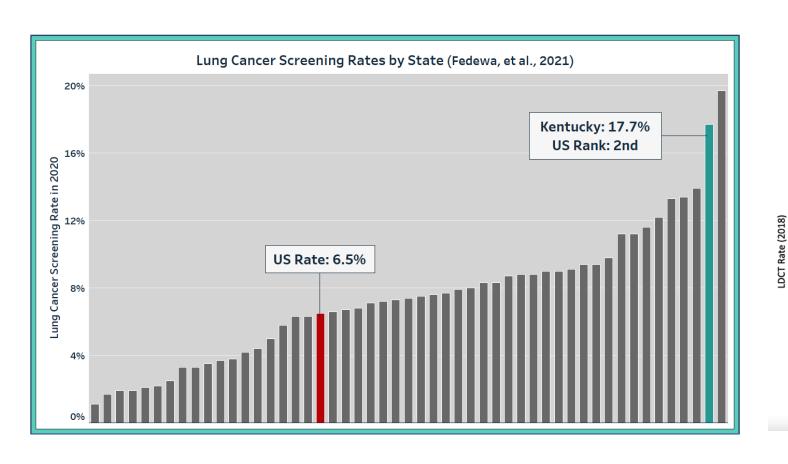


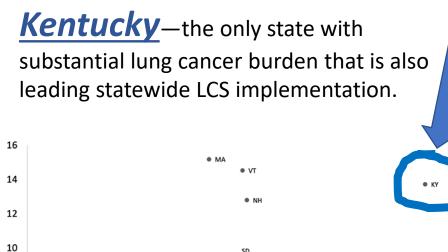
#### Overall Mean QUILS Scores Over Time (0-100)





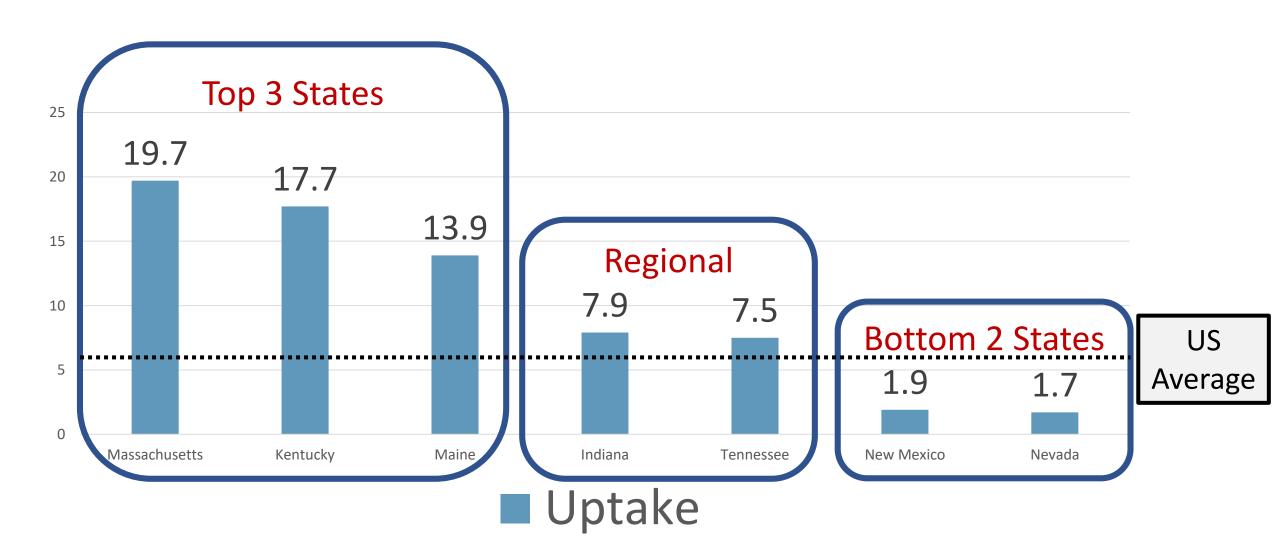
#### National Lung Cancer Screening Uptake Landscape





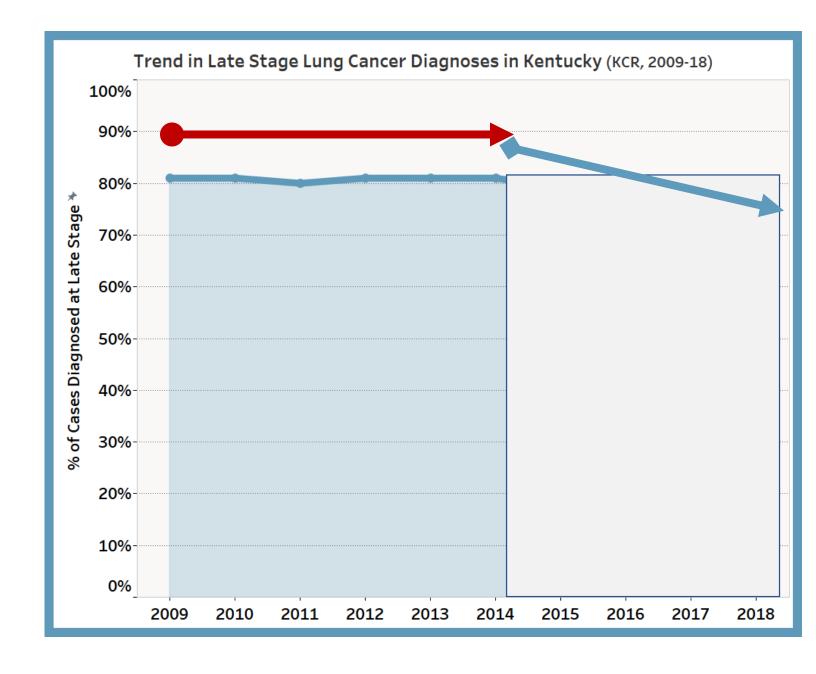
BURDEN
Lung Cancer Mortality Rate Per 100,000 Adults 55-80 years (2013-2017)

#### Lung Cancer Screening Uptake in 2020



#### Reduction in Late Stage Lung Cancer Diagnoses in Kentucky

- Stable at ~81% from 2009 through 2014
- Nearly 10% decline from 2014 to 2018!!

















College of Medicine







Bristol-Myers Squibb Foundation















#### **UKHealthCare**. **Markey Cancer Center**

Kentucky

Research Network













### **KENTUCKY**

#### **LUNG CANCER**

COLLABORATIVE™

**EDUCATION · AWARENESS DETECTION · SURVIVORSHIP** 







PADUCAH























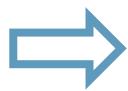
#### **LUNG CANCER**

EDUCATION · AWARENESS DETECTION · SURVIVORSHIP

Bristol Myers Squibb™ Foundation



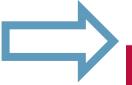
Provider Education





C2

Survivorship Care

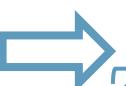




NATIONAL CANCER INSTITUTE Precision
Lung Cancer
Survivorship

**C**3

Prevention & Early Detection





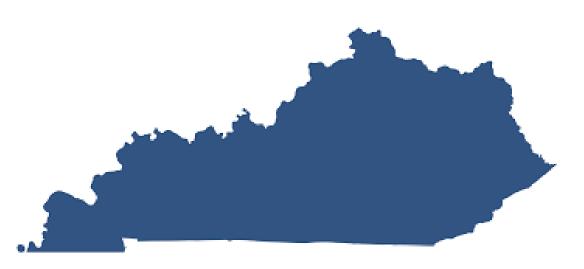
Kentucky Health Collaborative Kentucky LC Screening Program



#### Learning Objectives

➤ Discover the burden of and disparities in lung cancer in Kentucky

Explore use of communityengaged research methods to improve cancer outcomes, reduce cancer disparities, and pursue equity in Kentucky



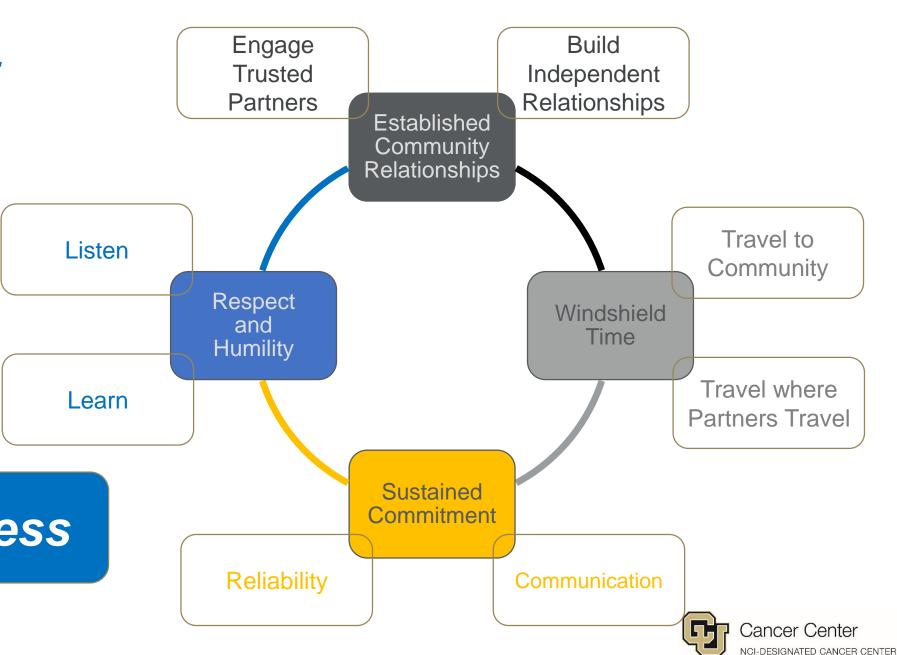






### The Colonel's Not-So-Secret

Recipe for Community Engaged Research in Kentucky.



trustworthiness



#### Summary and Conclusion

- Kentucky has suffered persistent socioeconomic hardship alongside its substantial lung cancer burden.
- Kentucky's sustained commitment to community-engaged research efforts created a unique opportunity for transformative change.
- Engaging with established partners, the Kentucky LEADS Collaborative developed, implemented, and evaluated a multilevel effort to reduce lung cancer in Kentucky.
- Community-engaged methods constituted the foundation and the loadbearing infrastructure for the Collaborative that has created the potential for





#### Second Faculty Disclosure/Transparency

- I think Bourbon tastes terrible.
- I don't enjoy horse racing or horses.
- I have never smoked a single cigarette.
- I am slowly overcoming my dependence on Kentucky Basketball and allowing all of my emotions to be dictated by the outcome of the most recent game (or recruiting news if in the off-season), but until then...







#### The Kentucky LEADS Collaborative



Jamie L. Studts, PhD
Principal Investigator
Professor



School of Medicine

UNIVERSITY OF COLORADO

ANSCHUTZ MEDICAL CAMPUS



Timothy Wm. Mullett, MD

Principal Investigator

Professor





Jennifer R. Knight, DrPH

Principal Investigator Assistant Professor







#### Kentucky LEADS Collaborative

#### Component 1: Provider Education

 Educate and train primary care clinicians in Kentucky regarding implementation of innovations in lung cancer prevention, control, and care.

#### Component 2: Survivorship Care

 Develop and evaluate a novel lung cancer survivorship care program for survivors and caregivers.

#### Component 3: Prevention & Early Detection

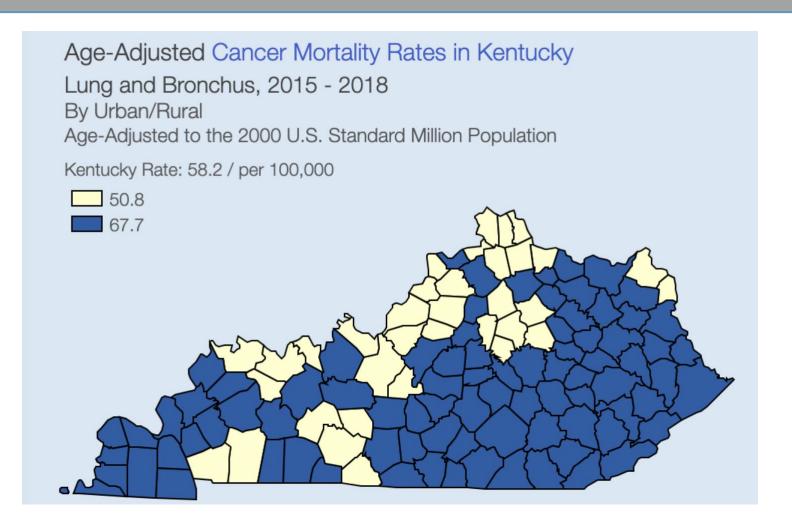
 Facilitate implementation of high quality lung cancer screening throughout Kentucky.







### While individuals diagnosed with lung cancer in Kentucky face survivorship challenges, these are also opportunities.



**Rural-Nonrural Inequity:** 

Significant differences in cancer incidence, mortality, and quality of life favor nonrural geographic areas and highlight the need for more focused attention on minorities.





**KENTUCKY** 

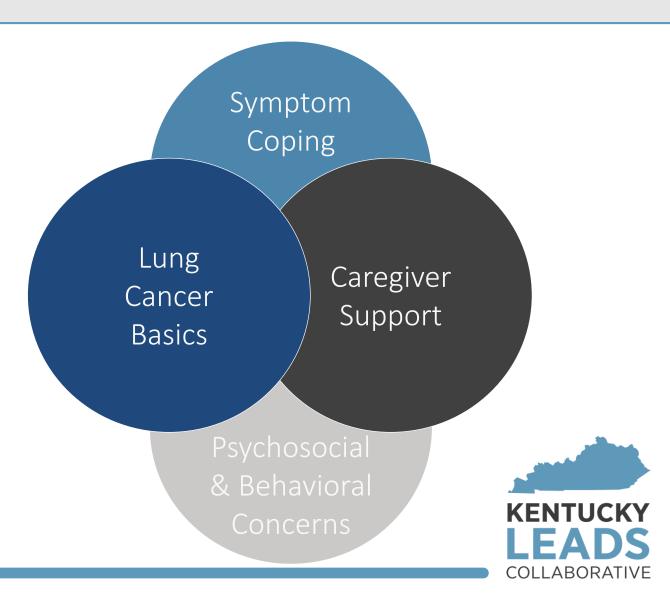
#### Survivorship Care: Patient and Caregiver Intervention

#### • Precision Intervention:

 Built and implemented a novel psychosocial survivorship care intervention for individuals diagnosed with lung cancer and their caregivers (10 sites, 300 participants)

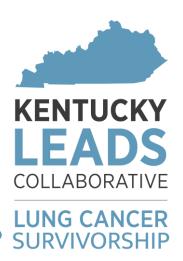
#### • Four Key Domains:

- Lung Cancer Basics
- Symptom Coping
- Psychosocial & Behavioral Concerns
- Caregiver Support

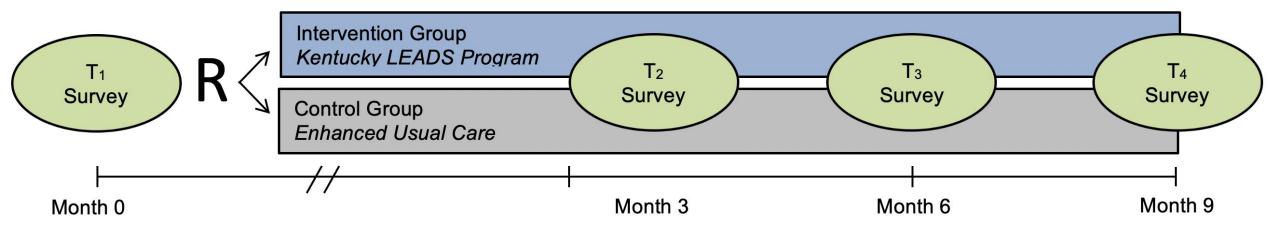


#### **Lung Cancer Survivorship Randomized Controlled Trial**

- Objective 1. Test the efficacy of the Lung Cancer
  Survivorship Care Program to improve quality
  of life and other patient-reported outcomes
  (e.g., lung cancer treatment engagement,
  health behavior change)
- Objective 2. Evaluate the impact of caregivers as intervention partners on lung cancer survivors' quality of life outcomes
- **Objective 3.** Measure the **cost-effectiveness** of the intervention relative to enhanced usual care



### **Lung Cancer Survivorship Randomized Controlled Trial**



Intervention Group. Modular intervention – personalized, flexible, and

collaborative sessions with a trained Survivorship

Care Specialist

Control Group.

Self-guided bibliotherapy – a more simplified, trimmed version of the intervention workbook



#### **Survivorship Care Team and Implementation Sites**





NCI-DESIGNATED COMPREHENSIVE CANCER CENTER



**Brown Cancer Center** 





Allyson Yates
Project Manager



Courtney Blair Project Coordinator





McLouth Co-I



Arnold Co-l



Shelton Co-l



Andrykowski Co-l



Schapmire Co-I



Alvey Co-I



Rigney Co-I



Perraillon Co-l



#### Summary of QUILS Index Scoring Across Sites

Consistently High		
Eligibility	Screening Eligibility Policy	
Eligibility	Screening Frequency & Duration Policy	
Radiology	LDCT Performance	
Radiology	Lung Nodule Identification	
Radiology	Structured Results Reporting	
Radiology	Lung Nodule Management Algorithm	
Patient	Engagement and Retention Methods	
Community	Provider Outreach	

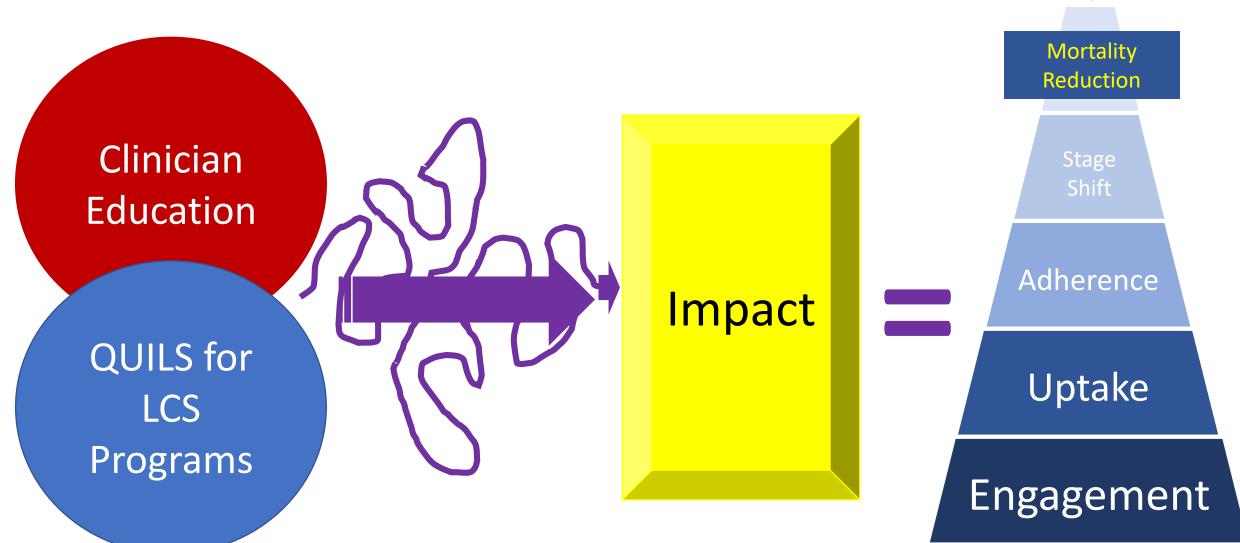
Consistently Low			
Prevention	Tobacco Treatment Interventions		
Prevention	Tobacco Treatment Targets		
Prevention	Second-Hand Smoke Prevention/Education		
Prevention	Radon Prevention Education		

Inconsistent			
Team	Interdisciplinary Clinical Team		
Team	Team Review of Radiology Results		
Patient	Shared Decision Making		
Community	Responsible Marketing and Outreach		

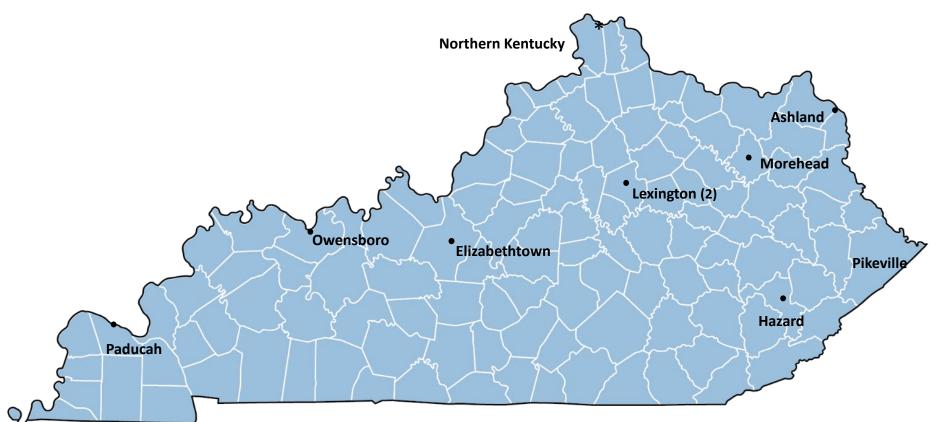


#### Kentucky LEADS Collaborative – Impact



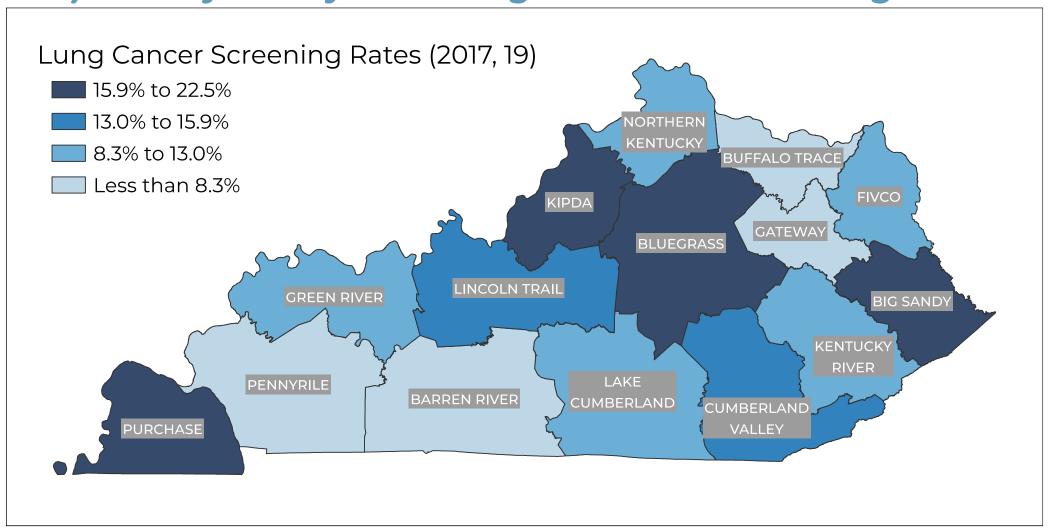


# The Kentucky LEADS Collaborative efforts in lung cancer screening have embraced equity considerations since its initiation in 2014.



Continued efforts to encourage and support targeted and tailored efforts to meet needs of communities experiencing intersectional challenges to considering and accessing lung cancer screening.

# Despite nation-leading rates of lung cancer screening uptake, there are areas of Kentucky that have not equally benefitted from lung cancer screening.



### If we want these improved outcomes for individuals who have been diagnosed cancer, we need....



1) policy change to support appropriate access and fitting reimbursement models for service delivery and outcomes,



 greater integration of transdisciplinary clinical teams that utilize bench players as well as our starters,



3) enhanced adaptation to contextual factors and application of precision approaches that utilize patient preferences, and



4) sustained commitment to improving broad outcomes of cancer care, including mortality, morbidity, quality of life, and well-being.



