



## Kentucky LEADS Collaborative Survivorship Care (SC)

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### Lung Cancer Distress & Symptom Burden

- Lung cancer is considered the cancer diagnosis associated with the greatest amount of distress
- Lung cancer is commonly treated with multiple modalities, creating substantial symptom burden
- Lung cancer itself causes significant symptom burden, partially due to the involvement of respiratory function



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### Lung Cancer Survivorship Care

- Compared to other malignancies, there has been dramatically less research focused on lung cancer survivorship.
- There are no established treatment guidelines or evidence-based interventions for lung cancer survivorship.
- The *Kentucky Lung Cancer Survivorship Care Program* is an initial effort to develop and evaluate a targeted and tailored intervention for individuals diagnosed with lung cancer and their caregivers.



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### Survivorship Care (SC) Aims and Hypotheses

- We hypothesize that the Lung Cancer SC Intervention and Training program will
  - improve quality of life, better symptom control, increase tobacco treatment, and reduce distress among lung cancer survivors;
  - improve quality of life, increase tobacco treatment, and reduce distress among family members/caregivers of individuals diagnosed with lung cancer;
  - increase self-efficacy and skills in providing lung cancer survivorship care among program providers (e.g., nurses, social workers, navigators, psychologists, etc.).




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### Survivorship Care (SC) Team



- Jamie L. Studts (PI)
- Michael Andrykowski (Co-I)
- Robin Vanderpool (Co-I)
- Jessica Burris (Co-I)
- Cynthia Robinson (Co-I)
- Susanne Arnold (Co-I)
- Courtney Blair (PC)
- Amy Christian (RC)
- Allyson Yates (Project Manager)



- Tara Schapmire (Co-I)
- Barbara Head (Co-I)



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- Maureen Rigney (Co-I)
- Angela Criswell (KFC)
- Consultants
  - Paul Jacobsen, PhD (Moffitt)
  - Jamie Ostroff, PhD (Memorial)

Community Advisory Board

- Nancy Alvey, LuCa Survivor
- Judy Kasey-Houlette
- Vicki Blevins-Booth
- David Gross
- Jessica Lehman, PhD




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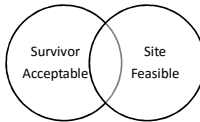
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### Survivorship Care (SC) Intervention Guiding Principles

- **Designed for Dissemination**
  - **Acceptable**
  - **Feasible**
- **Intervention Delivery**
  - In-person, telephone, telemedicine, other
- **Interventionists**
  - Any survivorship care specialist identified by collaborating community site/cancer care program
- **Targeted and Tailored Content**
  - Lung cancer targeted
  - Patient/Caregiver tailored (survivor/provider)
    - Intervention determined by baseline assessment of survivorship concerns




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**Targeted and Tailored Patient-Centered Intervention**

- **Targeted Intervention Content**
  - Based on lung cancer research literature
  - Based on clinical experience of team
  - Based on broader cancer research literature
  - Based on feedback from Community Advisory Board
  
- **Tailored Intervention Delivery**
  - Selected by survivors
  - Recommended by Survivorship Care Specialists
  - Implemented via Shared Decision Making
  - Re-evaluated upon Interim Review (also using SDM)

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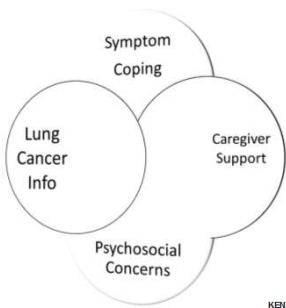
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**Survivorship Care (SC) Survivor and Caregiver Intervention**

- **Building a novel psychosocial survivorship care intervention for individuals diagnosed with lung cancer and their caregivers**



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**SC Survivor Modules**

- 1) Lung Cancer Basics
- 2) Navigating the Healthcare System
- 3) Coping with Pain and Addiction Concerns
- 4) Coping with Fatigue
- 5) Coping with Sleep Problems
- 6) Coping with Distress
- 7) Coping with Shortness of Breath
- 8) Social Support
- 9) Values and Decision Making
- 10) Healthy Living
- 11) Tobacco Use
- 12) *Caregiver Concerns and Self-Care*



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### Intervention Principles

- **Partnering/Supportive Counseling Style**
  - Rogerian/Motivational Interviewing
  - Coping with/addressing stigma concerns
- **Shared Decision Making and a Patient-Centered Approach**
  - Adaptable content that follows from assessment and patient preferences
  - Effort to maximize survivor acceptability of the intervention




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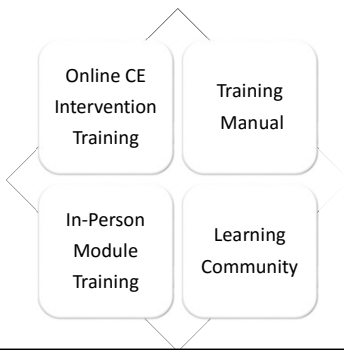
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### Survivorship Care (SC) Specialist/Interventionist Training



- **Building a companion training program to support Kentucky LEADS SC Specialists in their work as lung cancer survivorship care interventionists**




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### Survivorship Care (SC) Implementation Sites



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| 1. Baptist Health, Madisonville                              | 6. King's Daughters Medical Center, Ashland      |
| 2. Brown Cancer Center, Louisville                           | 7. Markey Cancer Center, Lexington               |
| 3. Ephraim McDowell Commonwealth Cancer Center, Danville     | 8. Norton Cancer Institute, Louisville           |
| 4. Hazdin Memorial Hospital and Cancer Center, Elizabethtown | 9. Owensboro Health, Owensboro                   |
| 5. Hazard Appalachian Regional Healthcare, Hazard            | 10. St. Claire Regional Medical Center, Morehead |




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### Survivorship Care Eligibility & Accrual Process

- **Inclusion Criteria**
  - Anyone over age 18 with a diagnosis of lung cancer
  - Ability to communicate verbally in English
- **Exclusion Criteria**
  - Serious mental illness that would preclude participation
  - Substance abuse that would preclude participation
- **Accrual Process**
  - Within the standard site process
  - Preferred:
    - Oncologist recommendation → research coordinator and interventionist contact

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### Survivorship Care (SC) Research Agenda

- Evaluate the impact of the training program on survivorship care specialists, focusing on lung cancer survivorship knowledge, self-efficacy and practices pertaining to providing support to lung cancer survivors and caregivers
- Evaluate the impact of the intervention on lung cancer survivors and caregivers, primarily focusing on quality of life, well-being, and symptom management

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### SC Intervention Research Plan (N=300)

- **Survivors/Caregivers (N=30 per site)**
  - Quality of Life (multiple domains to match intervention)
  - Pre, Post, 3-month follow-up
  - Key Informant Interviews with subset (2 per site)

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### Summary

- The *Kentucky Lung Cancer Survivorship Care Program* is an effort to address the unmet survivorship care needs of individuals diagnosed with lung cancer and their caregivers.
- The program builds on a patient-centered approach and emphasizes the implementation of a tailored intervention to meet the specific needs of individuals across the survivorship trajectory.



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### Thank You!

### Survivorship Care




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### Survivorship Care Team Contact Information

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**UKHealthCare** James Graham Brown  
Markey Cancer Center **CHERRY CENTER**  
at UKHealthCare

**LUNG CANCER ALLIANCE** **Kentucky**  
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*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.*

**Connect with us:**  
[www.kentuckyleads.org](http://www.kentuckyleads.org)  
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