

Sunset in  
The  
Mississippi  
Delta



# Survive to Thrive(S2T)

- The result of a partnership between the Mississippi Public Health Institute and Greenwood Leflore Hospital in Greenwood, Mississippi.
- Survive 2 Thrive is supported by a grant from the Bristol-Myers Squibb Foundation

# Survive to Thrive Mission

- To improve the health outcomes and quality of life for patients at highest risk for, recently diagnosed with, or living with lung cancer among the service area of Greenwood Leflore Hospital in the Mississippi Delta.
- Survive 2 Thrive seeks to accelerate the development, implementation, and evaluation of innovative models of prevention, detection, education, and survivorship care of lung cancer patients.

# Why?

Communities in the Mississippi Delta served by Greenwood Leflore Hospital are comprised of residents who suffer disparities in health equity due to poverty and lack of education, which translates into poor to no health literacy, lack of transportation for access to care, and a cultural dynamic that tends to increase risk and fails to support compliance to care.

# What Did We Do

- Survivorship
- Prevention/Early Detection

# What Did We Do? (Survivorship/Patient Navigation)

- Participants receive a personalized care plan that includes their health history, screening results, and care received.
- Education on lung cancer is provided.
- Treatment coordination (chemo, surgery, radiation, primary care referral) services provided.
- Side effects of treatment (long and short term) are explained and managed
- Patient progress/updates to each patient's medical provider

Standard follow-up care included:

- Referral to assisting services
- Home visit questionnaires are administered.
- Self-management techniques are taught by community networkers during home visits.
- Education/support materials are distributed

# What Did We Do? (Prevention/Early Detection)

- Community awareness of lung cancer prevention strategies
  - Community networkers
  - Physician & Nurse Navigator presentations
  - Health fairs
  - Hospital sponsored events
  - Printed and digital media education
- Establishment of Low Dose Screening Programs in our own hospital system as well as others around Mississippi



# How Did We Do? (Survivorship)

- Program enrolled first patient March 2017
- Total number of patients (all comers)-238
- Total Patient encounters-839
  
- Survivorship arm current-79
  - Stage ?      1
  - Stage I      7
  - Stage II     15
  - Stage III    25
  - Stage IV    31

# How Did We Do (Prevention/Early Detection)

- Tobacco Cessation-117, D/C'ed Tob-13
- LDCT's Performed: 141, Diagnosed-5
  - All 5 were advanced stage
    - 1 small cell extensive
    - 2 were stage IIIA
    - 2 were stage IV
- Compare to National Lung Screening Trial (NLST)

## NLST Results

- The lung cancer screening yield was 0.83% among 7189 baseline participants and 0.53% among 3760 participants on annual scan.
- $0.83 + 0.53 = 1.36\%$
- We may have a **quiet crisis** compared to our results of  $5/145 = 3.45\%$  which is almost 4% higher yield in our experience

Centers offering LDCT as of March 2017

6 Centers



Centers offering LDCT as of March 2019

18 Centers



# What was the Impact and Change ?

**Quality of life of patients directly impacted and improved by Nurse Navigator and Community Networker activities**

**Regional community educated on lung cancer awareness and services that can improve survivorship**

**Direct impact on prevention through community and health care facility service expansion**

**Recognition that a tremendous gap exists for this high risk population that needs to be closed**

QUESTIONS?