The Lung Bus: Improved Outcomes for High Risk Populations

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Academic Hybrid: Levine Cancer Institute

• Established 2011
• Atrium Health Umbrella
  • 3rd largest not-for profit in the U.S.
  • NC and SC – 40+ hospitals, safety-net provider
• Decentralized model
• 25 sites across NC & SC
• 2019 LCI II opened
• 18,000 new cases per year
Cancer Health Disparities Focus

Prevention Education

Screening Programs

Community Partnerships

CARE COORDINATION
Lung B.A.S.E.S. 4 Life

First mobile lung cancer screening in the country providing a comprehensive approach to lung health

B - Bringing
A - Awareness
S - Screening
and
E - Education
to improve
S - Survival

4 key strategies:
❖ Community-based education
❖ Mobile/Regional screening
❖ Navigation Services
❖ Tobacco cessation
Lung B.A.S.E.S. 4 Life

Qualifications:
- Be between the ages of 55 and 77
- Be uninsured or have Medicaid coverage
- Have a 30 pack-year smoking history
- Currently smoke or have quit smoking within the past 15 years

Bristol-Myers Squibb Foundation supports:
- Mobile unit construction
- Fuel
- Screening costs
- Medical supplies
- Smoking cessation therapy & nicotine replacement
Impact

• Head & Neck Screenings
• Intense navigation
• Close follow up
  - Less than 6.5% lost to follow-up
• Referral to other screenings
• Tobacco Cessation and Nicotine replacement
Data - 550 cases

- Average age 61
- Average pack year 46
- 38 Lung RADS 4
- 12 Lung Cancers (6 early stage)
- 4 non-lung
- 62% Uninsured/38% Medicaid
- 70% rural
- 20% African American
- 3% Hispanic/Latino
- 1% Native American
- Currently 860+ screened
- Additional studies
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