

Increasing Lung Cancer Screening For High Risk Smokers In A Frontier Population

Avera / Walking Forward
Michele Sargent RN, Program Manager



Project Introduction & Innovation

- Will provider and/or individual level interventions increase LDCT lung cancer screening among high risk smokers living in western South Dakota?
- This project focuses on an underserved population
 - High incidence of lung cancer and lung cancer mortality rates
 - High rates of smoking
- This study targets and compares interventions
 - Health care providers
 - High-risk screen eligible patients
- Study includes screening education
 - 135 primary care providers and staff
 - 1000 community members
- Outcome measures
 - Assessment of awareness of LDCT lung cancer screening among providers and community members
 - Number of LDCTs completed
 - Evaluation of the influence that demographic characteristics and barriers have on screening rates.
- Online resource
- Health forum to promote practice and policy recommendations

Project Progress To Date

Provider CME sessions

- Began September 2018 (6months)
- 6 clinic sites completed
- Provider accrual 36

Community Education sessions

- Began August 2018 (7months)
- Provided to 27 communities
- Community accrual 218

9 Imaging centers in western South Dakota

- 2017= 640 LDCT
- 2 qtrs. since workshops began – imaging centers are reporting 393 (6months)
 - 23% increase at year end if this trend continues

Key Challenge

We are able to recruit interested individuals into community workshops. Average 9 people per workshop

- Workshops are open to anyone 18 and older with a goal to target screen eligible participants to attend.
 - Struggling to find eligible participants per CMS guidelines.
- Medicare guidelines screening eligibility
 - 55-77 years old
 - 30 pack smoking history
 - current smoker or quit within last 15 years
- A majority of our population, especially on the reservation, have been smoking since 12 and 55 is considered an elder.
 - **Pine Ridge IHS hospital, cite an average life expectancy for men of just 47 years. Women 55 years.**