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

Avera / Walking Forward
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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
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.