

WALKING FORWARD

Addressing Health Equity in Vulnerable Communities

October 28-30 Quantitative Imaging Workshop Webcast

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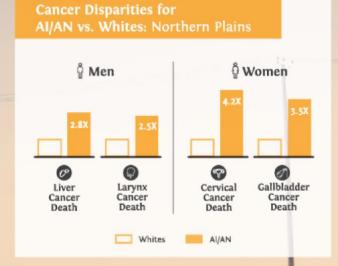


Northern Plains

Al/AN in the Northern Plains experience some of the highest cancer diagnoses and death rates in the United States.



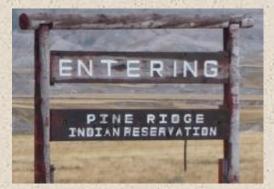




Prevention

Lung cancer is the leading cause of cancer death in the Northern Plains. Improved access to tobacco cessation services like quit lines, medications, and counseling can help AI/AN people quit commercial tobacco and reduce their risk for lung cancer.













Western South Dakota

Pine Ridge
Rosebud
Cheyenne River
Rapid City



Walking Forward Phases

- Phase I and II: Cancer Disparity Research Program 2002-2011
- Phase III: Mobile health smoking cessation program 2011-2017
- Phase IV: Lung Cancer Screening Project (LDCT)
 2018-2022

Phase V: Palliative Care Grant

2018-2022





Smoking and Lung Cancer in South Dakota

- High smoking rates: State average 20%, 7 counties over 30% (Todd County highest at 41%)
- High lung cancer mortality rates:

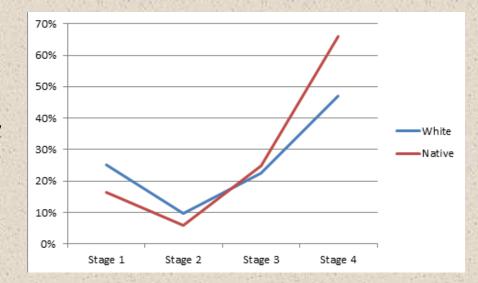
American Indian: 95 per 100,000

• Whites: 55 per 100,000

Northern Plains Als: highest lung cancer mortality

rate in the US

New diagnosis of Non-Small-Cell Lung cancer 2009-2015 Rapid City









Research Question:

will provider and/or individual level interventions increase low dose computerized axial tomography (LDCT) lung cancer screening among high risk smokers living in western South Dakota?

Project Goal:

To increase lung cancer screening rates by educating primary care providers and their clinic staff as well as community members in western South Dakota.







- Aim 1: Screening awareness
 - Build on previous research to improve provider and individual awareness of LDCT lung cancer screening
 - Initial and follow-up surveys at baseline and 6 months
- Aim 2: Evaluate the efficacy of two interventions with PCPs and community members to increase awareness of LDCTs
 - Main outcome measure: number of LDCTs completed
- Aim 3: Policy Symposium and Lung Health Forum
 - Partnership with Georgetown University: Bette Jacobs, PhD
 - Engage community members, state and tribal leaders, primary care MDs
 - Develop sustainable, evidence-based, culturally- and regionallyappropriate practice and policy recommendations





Bristol-Myers Squibb Foundation - Funded February 2017

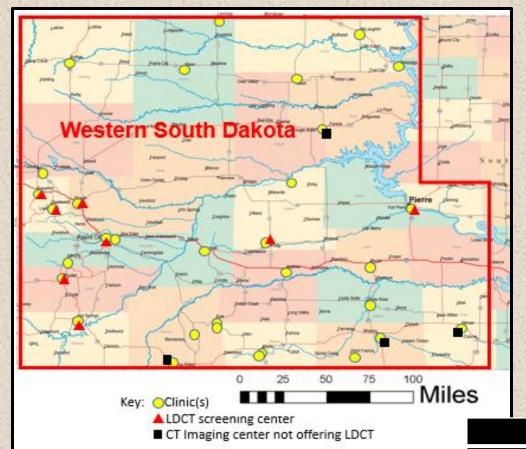
- 2 x 2 study design to evaluate provider (n=135) and individual level (n=1000) interventions
- Both interventions include education and introduction to the online resource
- Metric will be <u>increase</u> in screening LDCTs
- 14,000 patients at risk in Western, SD

**First WF Project to include all of western SD









Challenge: Limited access to screening LDCT

2 X 2 Design

Intervention:	Study Groups:			
	Α	В	С	D
Provider	No*	Yes	No*	Yes
Individuals	No*	No*	Yes	Yes

Avera 🐰



*delayed intervention based on study findings



Education sessions

Provider Workshops/CME sessions

Began September 2018

13 clinic sites completed

Provider accrual 95

Target goal: 135

Community Workshops/Education sessions

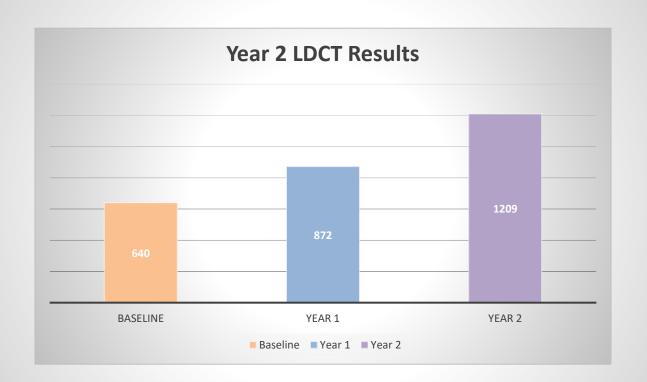
Began August 2018 460 participants

To date: 100 LDCT referrals have been obtained with 81 completed







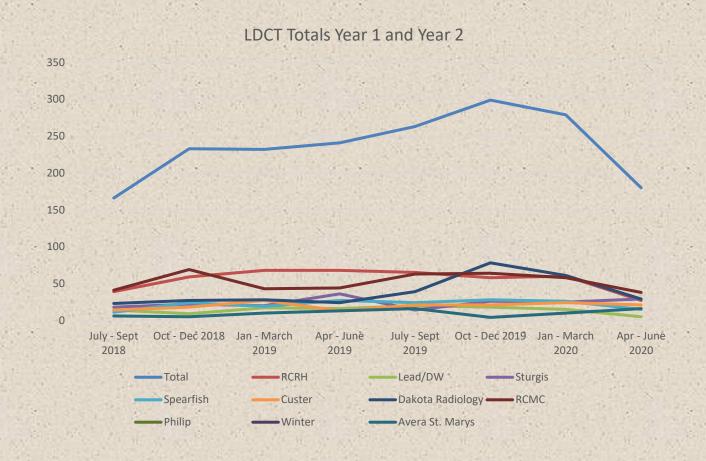








LDCTS BY SITE AND QUARTER









OVERCOMING CHALLENGES

- Indian Health Service is not currently covering the cost nor providing LDCTs
- Grant received from the Irving A. Hansen
 Memorial Foundation for 105K
 - Will allow us to screen 200 American Indians at no cost to the patient
- Indian Health Service (IHS): "life and limb" policy
- COVID pandemic







OVERCOMING CHALLENGES













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