Foundation

Transdisciplinary

Sustainability

Tribal Sovereignty

Values
Build research capacity & infrastructure

Collaboration & Partnership

Research Innovation

Tribal Sovereignty

Transdisciplinary

Sustainability
CRCAIH Organizational Partners

- Tribal Partners
- Tribal Organizations
- Academic Institutions
- Healthcare Entities

This presentation is supported by the National Institute on Minority Health and Health Disparities of the National Institute of Health under Award Number u54MD008164 (PI – Elliott)
"Don’t tell me what you value, show me your budget"
– Joe Biden
“Don’t tell me what you value, show me your budget”
- Joe Biden

68-72% of grant budget went outside of CRCAIH core services to support partners & projects
Building Tribal Research Infrastructure

Why? (The Need)
- Tribal sovereignty
- Protect & benefit tribal members
- Respect culture/tradition

How? (The Tools)
- Data Management Systems
- Regulatory Systems
- Financial & Technical Support

Tribal Research Capacity
Tribal Partners

- Tribal Nations Research Group (TNRG)
- Tribal Health Clinic
- Tribal 501(c)3
- Tribal Education Dept.
- Tribal Health Administration
- Oglala Lakota Nation
- Turtle Mountain Band of Chippewa Indians
- Fond du Lac Band of Lake Superior Chippewa
- Spirit Lake Sioux Tribe
- Sisseton Wahpeton Oyate
- Cheyenne River
- Oglala Sioux Tribe
- Rosebud Sioux Tribe

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Capacity Building

Research Regulation

Data Storage

Research Inventory

Data Management

Community Engagement

Tribally Led Research

Tribal Research Agenda

Dissemination
Tribal IRB Toolkit

A. Starting a Tribal IRB
B. IRB Administration Tools
C. Research Review Tools
Data Management

- Data Storage
- Data Management
- Research Regulation

- Research Inventory
- Community Engagement
- Tribally Led Research
- Tribal Research Agenda
- Dissemination

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Community Engagement

Oglala Sioux Tribe Research Conference

“No Longer Dreaming: Your Role in Native American Research”  
May 7, 2015

Cheyenne River Sioux Tribe Research Symposium

“Researching, Restoring, & Rebuilding Our Oyate for Longer Life”  
March 18, 2015
How We Connect

107,000 page views

89 videos

5,980 views

700+ listserv

Social media

4 Summits

hundreds of attendees

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What about the data?

1. Health Index

   Assesses the health and health disparities by county in South Dakota, North Dakota, and Minnesota, over the 5 years before CRCAIH was implemented.

2. Social Network Analysis

   Highlights the fruition of CRCAIH’s aim to create a platform that brings together tribal communities and health researchers of many disciplines to combat American Indian health disparities.
WHAT ABOUT THE DATA?
Health Indicators

Health Index

Health Outcomes
- Mortality
- Chronic disease
- Infectious disease

Health Behaviors
- Smoking
- Alcohol use
- Physical inactivity

Social economic factors
- Access to care
- Poverty
- Unemployment
Health Index Map
CRCAIH Social Network Analysis

- **Totals:**
  - 584 Authors
  - 184 Publications

- **Location Statistics**
  - 5% International
  - 95% USA
  - 12% CRCAIH States (SD, ND, MN)
CRCAIH Social Network Analysis
CRCAIH – NCAI Partnership

**CRCAIH**

**Mission:** Bring together tribal communities and health researchers, with a goal to build research infrastructure and transdisciplinary teams to improve health through focus on social and environmental influences on health.

**NCAI PRC**

**Mission:** Provide tribal leaders with best available knowledge to make strategically proactive policy decisions in framework of Native wisdom that positively impacts future of Native peoples.

**CRCAIH Fellowship with CSBC**

**Mission:** Facilitate ethical research that meets cultural and contextual needs of communities by bridging traditional, western/academic, and policy sciences.

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CRCAIH – NCAI Partnership

• Assistance with culturally-relevant report writing and dissemination

• Workshops – Research that Benefits Native People: A Guide for Tribal Leaders

• Response to Notice of Proposed Rulemaking (NPRM) to revise the Common Rule

• Presentation on CRCAIH’s work to Tribal Leaders at NCAI’s Mid-Year Meeting
Pilot Grant Program

61 Applications received 2013-2016

15 Awarded 1-year Pilot Grants

PI Applications by state (2013-2016)

PI Awardees by state (2013-2016)
Who were the pilot grant awardees?

2013
John Gonzalez, PhD
Jessica Hanson, PhD
Alicia Mousseau, PhD
Soonhee Roh, PhD
Bruce Vogt, MD, & Jay Memmott, PhD

2014
Emily Griese, PhD
MaryLou Mylant, PhD
Daniel Petereit, MD
Heather Peters, PhD
Ursula Running Bear, PhD

2015
Sara DeCoteau, BA, & Bonny Specker, PhD
Amanda Fretts, PhD
Tai Mendenhall, PhD, & Kathy Denman-Wilke, MEd

2016
Jacqueline Gray, PhD
Lacey McCormack, PhD, & Rae O'Leary, RN

Pilot Grants Awarded having an American Indian PI or Co-PI: 47%
PI Organization is Tribal/Tribal Academic: 27%
5-year, Large-Scale Research Projects

• Factors Influencing Pediatrics Asthma
  – PI: Lyle Best, MD

• Culturally Targeted Education on Living Kidney Donation
  – PI: Nancy Fahrenwald, Ph.D.

• Emergency Department Use & Care in American Indian Children
  – PI: Susan Puumala, Ph.D.
SUSTAINABILITY?
Additional Funding

- Initial CRCAIH grant $13.5 million
- CRCAIH researchers and tribal partners have brought in over 30 grants (and counting!)
Subsequent grants awarded (all partners combined) $13.8 million (and counting)
Build research capacity & infrastructure

Collaboration & Partnership

Research Innovation

Tribal Sovereignty

Sustainability

Transdisciplinary
CRCAI IH Partners

NIMHD
Rick Berzon, PhD
Dorothy Castille, PhD
Derrick Tabor, PhD

External Advisors
Bonnie Duran, PhD
Spero Manson, PhD
Leander “Russ” McDonald, PhD
Tassy Parker, PhD
Daniel Petereit, MD
Jacque Gray, PhD
Don Warne, MD, MPH
Gerald Yutrzenka, PhD
Kris Rhodes, MPH

Administrative Division
Amy Elliott, PhD
DenYelle Kenyon, PhD
Jessica Heinzmann, BA

Tribal Partners
Delores Pourier, MSAS
Kathryn Blindman
Sherry Johnson, PhD
Heather Larsen, MEd
Anita Frederick, MS
Rhonda Gustafson, MBA
Ashley Parisien, MBA
Paula Carter, PhD
Carol Davis, PhD
Carty Monette, PhD
Evelyn Espinoza, MA
Simone Bordeaux, LPN
Jennifer Dupuis, MBA
Marilyn Grover, MBA
Nate Sandman, BAS
Patti Dufault, MBA

Research Project PIs
Lyle Best, MD
Susan Puumala, PhD
Nancy Fahrenwald, PhD

Community Engagement & Innovation
Victoria Grey Owl, PhD
Melissa Buffalo, MA

Regulatory Knowledge Core
Jyoti Angal, MPH
Michaela Sieber, MPH
Temana Andalcio, BA

Culture, Science & Bioethics Core
Deana Around Him, DrPH
Sarah Pytalski, PhD

Methodology Core
Jessica Hanson, PhD
Jing Zhao, PhD
Morgan Nelson, MS
Tess Weber, MPH

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