Center for American Indian and Alaska Native Diabetes Translation Research

Expanding and Enhancing Research Addressing Diabetes in Native Communities

Spero M. Manson, Angela G. Brega, Meredith P. Fort, Sarah A. Stotz, & Ka’imi A. Sinclair
Overview

• Introduction to the Center
• Overview of Cores & Programs
• Highlight the Satellite Center Network
• Get Input on How the CDTR Can Best Support You
Impact of Diabetes on American Indian & Alaska Native (AI/AN) Populations

AI/ANs have the highest rate of diabetes of any US racial/ethnic group

Compared to the non-Hispanic White population in the US:
- Native adults are almost twice as likely to be diagnosed with diabetes
- Native youth have highest prevalence of any US racial/ethnic group
- Native women are nearly twice as likely to develop gestational diabetes

AI/ANs have high rates of complications (e.g., ESRD, amputations)
Center for American Indian and Alaska Native Diabetes Translation Research

• Funded by NIDDK in 2011
  – Renewed for another 5-year cycle, 2021-2026
• Translate research of proven efficacy into practice, with the goal of improving the diabetes-related outcomes of Native people
• Resource center designed to promote excellence in translation research and expand capacity for diabetes translation research addressing AI/AN populations
• Local impact and national reach through innovative Satellite Center Network
Translation Research Core

- **Purpose:** Promote excellence and build capacity in diabetes translation research addressing Native populations among our Research Base members.

- Facilitate training, technical assistance, & consultation related to:
  - Cultural adaptation
  - Health literacy
  - Health information technology
  - Dissemination and implementation science
  - Cost/sustainability
  - Qualitative research methods

- Details on requesting services is forthcoming.

Angela G. Brega, PhD
National Resource Core

- **Purpose:** Facilitate and collaborate on diabetes translation research with external partners seeking to prevent and/or treat diabetes in Native people
- **Strengthen & expand network of partners**
  - Researchers, clinicians, policy/advocacy groups, communities
  - Examples: Urban Indian Health Organizations; Tribal Epidemiology Centers
  - Role of our Satellite Center Network
- **Areas of Focus**
  - Needs raised by community partners
  - Expanding support for Urban Indian Health Programs
  - Addressing social needs; Diabetes registries

John F. Steiner, MD, MPH, Kaiser Permanente CO Institute for Health Research
Community Outreach & Engagement Core

- **Purpose:** Engage with community partners to facilitate the exchange and dissemination of diabetes translation research and priorities
- Elevated to a core because of critical part community engagement plays in the success of translation research
- **Areas of Focus:**
  - Work with partners to ensure diabetes translation research agenda includes local, regional, and national priorities
  - Facilitate the exchange of expertise and relevant findings between community organizations, scientific community, clinicians, public health practitioners, and policy makers
  - Coordinate with Satellite Center Network: needs assessment and symposia
  - Strengthen and expand collaborations

Meredith P. Fort, PhD, MPH
Pilot & Feasibility Program

- Funding to support research relevant to diabetes in AI/ANs
  - Open to a wide range of topics
  - Focus on secondary analysis projects
- Projects are 18 months in duration
  - First 12 months: Complete & publish a secondary analysis
  - Final 6 months: Training and support for grant development
  - $37,500 in total direct costs per award
- Eligibility
  - Early-stage investigator at any university eligible for NIH funds
- RFA is available on the website
Collaborative National Pilot & Feasibility Program

- New this year
- Support research on COVID-19 & diabetes, obesity, or metabolism
  - Projects can be at the basic science, clinical, or community levels.
- Goal is to expand collaboration between investigators from two or more Diabetes Research Centers (DRCs) and/or Centers for Diabetes Translational Research (CDTRs) at different institutions.
- Pilot grants ($100,000) and mini-grants ($10,000)
- RFA is available on the website
- Contact: Angela.Brega@cuanschutz.edu
Enrichment Program

- Expansive Distribution List (Research Base, community partners)
- Webinar Series
  - Quarterly webinars on AI/AN diabetes translation research
  - Research presentations, hands-on training workshops, panel discussions
  - Educational value, engage Research Base/partners, identification of collaborators
- Work-in-Progress Workshops
  - Quarterly meetings to review manuscripts, grants, analysis plans, etc.
  - Enhancing quality through input from junior and senior faculty
  - Ideas in progress: building new collaborations
- Quarterly Newsletter
  - Publications, grants, training opportunities, spotlight features
  - Crowd sourcing for content
CDTR Satellite Centers

Pacific Northwest Satellite Center
Ka`imi Sinclair, PhD, MPH (Cherokee), Washington State University, Seattle, WA

Rocky Mountain Satellite Center
Spero Manson, PhD (Chippewa), University of Colorado AMC, Aurora, CO

Northcentral Satellite Center
Tiffany Beckman, MD (Chippewa), University of Minnesota, Minneapolis, MN

Central Plains Satellite Center
Valarie Blue Bird Jernigan, PhD (Choctaw), Oklahoma State University, Tulsa, OK

Southeast Satellite Center
Tasser Goins, PhD (Catawba), Western Carolina University, Cullowhee, NC

Southwest Satellite Center
Tassy Parker, PhD, RN (Seneca), Nathania Tsosie (Dine'), University of New Mexico, Albuquerque, NM

Alaska Satellite Center
Denise Dillard, PhD (Inupiat), Southcentral Foundation, Anchorage, AK

Ka`imi Sinclair, PhD
Satellite Centers

• Develop a local stakeholder group
• Identify and engage prospective Research Base members
Satellite Centers

- Identify early-stage investigators to apply to CDTR pilot study program
- Serve as local mentor of a pilot study investigator

Amber Fyfe Johnson, ND, PhD
Cassandra Nikolaus, PhD
Lucy Hebert, PhD
Satellite Centers

- Develop, offer, and evaluate an annual symposium on cardiometabolic health
Breakout Room Discussion Topics

1. Introductions
   a) Name, institution/organization, location
   b) Short summary of the work you do related to diabetes with AI/AN people and/or diabetes translation research

2. What do you want from the CDTR?

3. Suggestions for Webinar Series
   a) Topics
   b) Speakers
   c) Cross-promotion of events

4. Quarterly Newsletter Topics
   a) Publications, grants awarded, funding opportunities, upcoming webinar/trainings, highlight diabetes translation research success stories
   b) Crowd-sourcing of newsletter content
Center for American Indian and Alaska Native Diabetes Translation Research

For questions about pilot funding or the Center: Angela.Brega@cuanschutz.edu

To learn more about CAIANDTR: https://coloradosph.cuanschutz.edu/research-and-practice/centers-programs/caianh/projects/CAIANDTR