



# SagePlus Work with the American Indian Community

Melanie Peterson-Hickey, Manju Pillai & Kristen Tharaldson

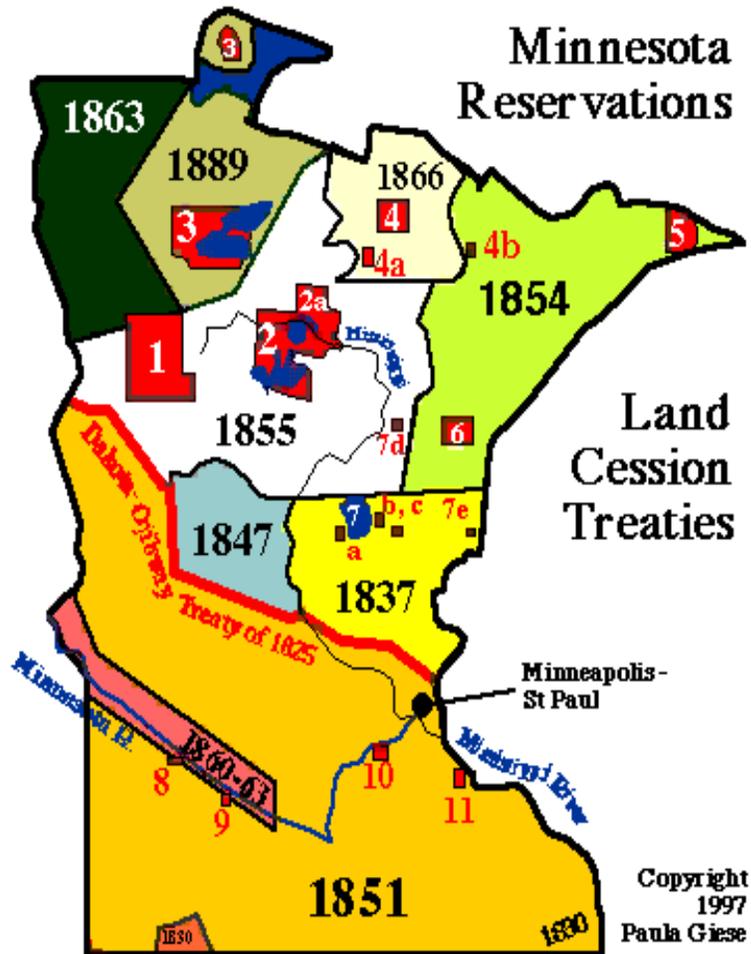
PROTECTING, MAINTAINING AND IMPROVING THE HEALTH OF ALL MINNESOTANS

- American Indian Reservations and Indian Communities in MN
- Social Determinants of Health for American Indians in MN
- Mortality rates and CVD risk factors for American Indians in MN
- SagePlus efforts to engage and onboard clinics
- COVID adaptations and future HBSS development
- Working with American Indian Cancer Foundation (AICAF) as a partner

# Minnesota Indian reservations and communities

- There are seven (7) Anishinaabe (Chippewa, Ojibwe) reservations.
- There are four (4) Dakota (Sioux) communities.
- These are the lands retained by tribes after ceding large portions of original homelands.
- The total American Indian population in the state is 101,900.

# Minnesota Indian reservations and communities



Reservation/community	Enrolled	Population
1. White Earth	19,400	9,562
2. Leech Lake	9,372	10,660
3. Red Lake	11,422	5,896
4. Bois Forte	3,443	874
5. Grand Portage	1,100	565
6. Fond du Lac	4,044	4,250
7. Mille Lacs	4,414	4,907
8. Upper Sioux	493	493
9. Lower Sioux	1,115	1,115
10. Shakopee	568	568
11. Prairie Island	800	400

# Urban American Indian communities in Minnesota

- In the U.S., 60% of all American Indians live off the reservation.
- In Minnesota, the largest AI communities are Bemidji, Duluth and the Twin Cities.
  - Hennepin County's American Indian population is 21,206.
  - Ramsey County's American Indian population is 9,276.
- Urban communities are inter-tribal.
- American Indians living in urban communities can often feel isolated.

# Social Determinants of Health for American Indians in Minnesota

- 31% of all American Indians lived in **poverty** (in 2017), a rate 4.1 times higher than whites (7.5%).
- 69% of American Indian student will **graduate from high school** within four years, compared to a national average of 82%.
- American Indians have the highest rate (23%) of **five or more Adverse Childhood Experiences (ACEs)** than any other single population in Minnesota.

# Mortality Rates of American Indians in Minnesota

- The AI **infant mortality rate** is the highest in the state at 10.3/1000.
- The AI **maternal mortality rate** is 261.4/100,000.
- American Indian male and female **mortality rates** are 50% greater than whites.
- Between 2013-2017, American Indians (23.2) in Minnesota had a **suicide rate** that was 1.7 times the rate of whites (13.4).

# CVD-related Health Status of American Indians in Minnesota

- American Indians have the highest rate (41%) of being **overweight or obese** of any single population group in Minnesota.
- American Indians have the highest rate of **diagnosed diabetes** at 17.7% compared to 8.4% of adult whites in Minnesota.
- American Indians have the highest rates of **smoking** in the state at 59% compared to 16% of all Minnesota adults.
- American Indian adults have a higher prevalence of **high blood pressure** compared to other racial and ethnic groups. (2020 health rankings)

# SagePlus (WISEWOMAN) Efforts to Onboard Clinics

- Indian Health Board (urban clinic)
  - Clinic location
  - Primarily see patients for breast/cervical program through screening events
- White Earth Health Center (rural integrated clinic)
  - Located in Ogema on the White Earth Reservation
  - Some transportation options for clinic visits
  - See the largest number of AI breast/cervical patients through Sage in Minnesota

# SagePlus (WISEWOMAN) Efforts to Onboard Clinics

- Challenges to onboarding
  - Competition for AI patients in urban area
  - Wellness programs in past went under due to financial/staff issues
  - Primarily see patients through screening events
  - Low-income communities, George Floyd uprising, COVID
- Cultural knowledge/assets to build on
  - Seven Grandfather Teachings (Anishinaabe)
  - Food sovereignty/grow your own food movement
  - New/eager staff who see the value in addressing CVD risk factors

# COVID adaptations and future HBSS development

- IHB will start screening in January 2021
- Needed to adapt HBSSs to fit cultural needs as well as COVID
- “Cooking Matters” offered through UMN Extension/SNAP-Ed
  - Experienced AI facilitator
  - Adapt recipes/food boxes to include traditional foods
- Future HBSS development
  - Medicine garden across the street

- The American Indian Cancer Foundation (AICAF) is a national non-profit organization that was established to address the tremendous cancer inequities faced by Native communities.
- American Indian Cancer Foundation (AICAF) contract is under development for SagePlus.
  - Collaboration on AI/AN culturally tailored communications materials
  - Improvement of clinic systems with a cultural emphasis
    - Develop model for screening events in AI communities
    - Provide ongoing support for urban/rural AI clinics



QUESTIONS?

Thank you!