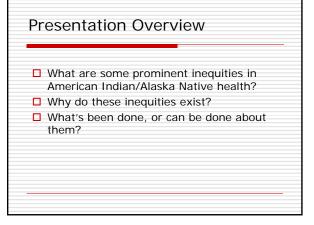
### Toward a Future of Good Health and Wellness: Inequities in American Indian and Alaska Native Health Jeffrey A. Henderson, MD, MPH President & CEO Black Hills Center for American Indian Health Rapid City, SD Presented at the 17th Annual Summer Public Health Research Videoconference on Minority Health, June 7, 2011, www.minority.unc.edu/institute/2011/



Background

causation

□ Long history of AIAN disparities

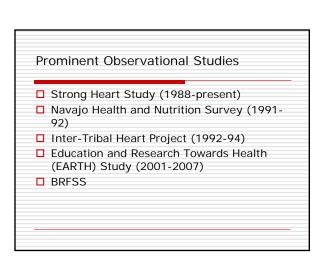
☐ Multiple disease states and persistent

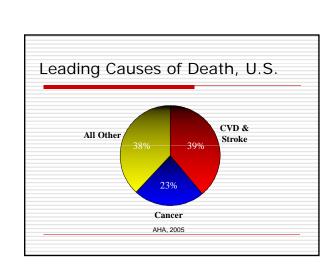
across changing notions of disease

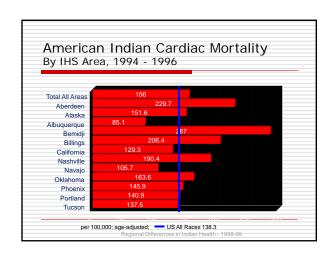
☐ Prominent social and political causes

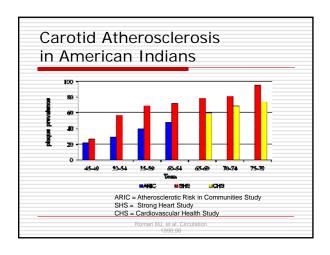
# Acknowledgements □ Strong Heart Study ☐ Stop Atherosclerosis in Native Diabetics Study (SANDS) ■ National Heart, Lung and Blood Institute □ Dr. Patricia Nez Henderson No Financial Conflicts

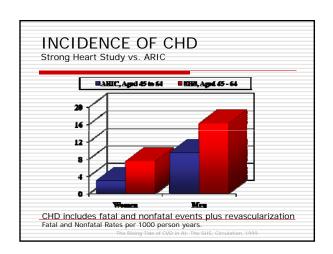


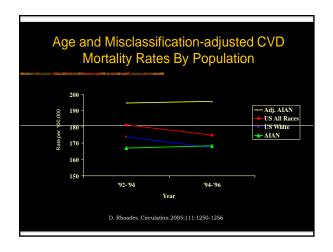








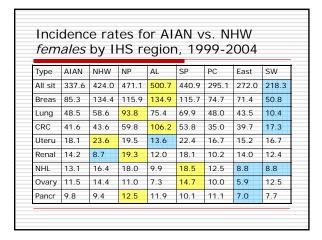


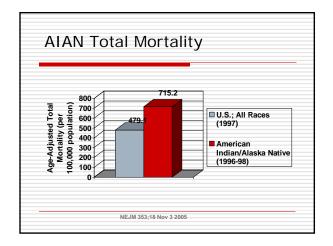




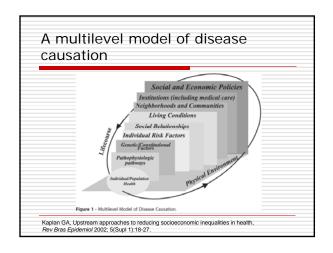
combined, CHSDA and all counties									
Type of Cancer	AIAN	NHW	AI AN:NHW						
CHSDA-All sites	368.4	475.9	0.77						
Kidney	18.2	12.6	1.45						
Stomach	10.8	5.8	1.88						
Cervix	9.4	7.4	1.28						
Liver	9.0	4.3	2.11						
Gallbladder	3.3	0.9	3.59						
All CoAll sites	275.5	479.0	0.58						

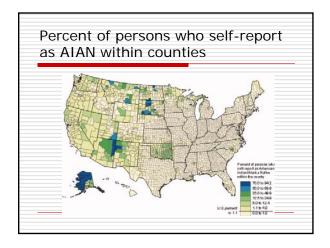
males by IHS region, 1999-2004									
Туре	AIAN	NHW	NP	AL	SP	PC	East	SW	
All sit	414.6	549.2	636.1	538.7	573.4	338.0	308.9	256.2	
Prost	105.6	154.4	174.6	78.3	156.7	83.2	83.9	65.7	
Lung	69.6	85.9	119.8	115.3	111.0	57.7	51.0	21.2	
CRC	52.6	59.8	88.9	98.5	70.3	44.0	31.1	25.7	
Renal	23.2	17.2	29.2	28.6	25.1	15.2	15.3	25.2	
Blad	16.5	41.5	26.8	23.0	25.0	14.1	22.8	5.7	
NHL	15.2	23.1	19.2	13.2	24.2	12.5	5.5	10.9	
Stom	14.7	8.5	18.7	34.6	10.5	12.2	7.9	15.3	
Oral	13.1	16.4	22.6	20.5	18.4	12.2	11.3	4.7	



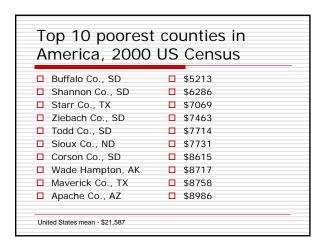


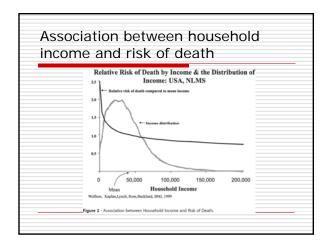
Why do these inequities exist?



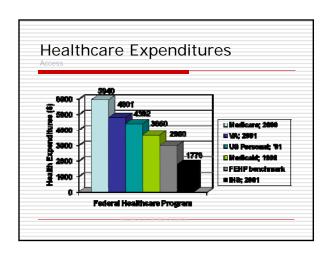












What's been/being done?

Uvaried BHCAIH Efforts



### Black Hills Center for American Indian Health

- □ Community-based 501 (c)(3) organization
- □ Founded in 1998
- □ To conduct activities that will lead to the enhanced wellness of American Indian peoples, communities, and tribes
- ☐ Research, Service, Education, and Philanthropy

# Black Hills Center for American Indian Health

#### Research Portfolio

- Currently home to 6 peer-reviewed health research grants and contracts totaling \$9 million (historical: 32 and over \$20 million)
- Collaborative to Improve Native Cancer
   Outcomes (CINCO) CPHHD P50 NIH/NCI
- Native People for Cancer Control Community Networks Program – NIH/NCI
- Native American Research Centers for Health: Lakota Center for Health Research – NIH/NIGMS/IHS

# Black Hills Center for American Indian Health

#### Research Portfolio

- Southwest Navajo Tobacco Education and Prevention Project (SNTEPP)– CDC/RWJ/ARNF/AZ
- Lakota Oyate Wicozani Pi Kte RCT NIH/NHLBI
- 6. The experience of chest pain among the Lakota pilot project – NIH/NCMHD

## Black Hills Center for American Indian Health

#### Research Portfolio - Results

- BHCAIH has consented more than 8,000 American Indians into its various studies in the past 8 years
- ☐ Injected more than \$5 million directly into impoverished Native communities
- ☐ Directly or indirectly hired more than 40 tribal members to work on our varied projects
- □ 36 scientific publications and 4 book chapters

### What's been/being done?

- Varied BHCAIH Efforts
- ☐ SHS CVD Risk Prediction Model
- ☐ Stop Atherosclerosis in Native Diabetics Study (SANDS)
- □ Special Diabetes Program for Indians Competitive Grant Program

### What's been/being done?

- □ Community-based interventions to lower CVD risk among AIANs (NHLBI)
- ☐ Economic Development
- □ Casino gaming
- ☐ Increasing # of interventions
- ☐ Fitful advances in tribal sovereignty

### CONCLUSIONS

- ☐ American Indians and Alaska Natives experience a number of health inequities
- ☐ These inequities often have longestablished histories
- ☐ Social inequities have a profound impact on health status
- □ It is likely that improvements in social condition, more than anything else, will begin to alleviate inequities in health

### CONCLUSIONS

- Tribal/community, clinical, and national leadership and governmental financial support are essential
- ☐ Further research is needed to determine effective preventive interventions
- ☐ Successful interventions need to be replicated and/or scaled up
- Ongoing surveillance of behaviors and conditions is essential to gauge progress

#### **CONTACT INFORMATION**

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