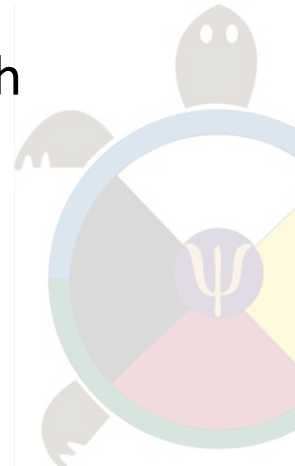




Indigenous Research

American Indian/Alaska Native
National Cancer Institute Webinar

Jacque Gray, PhD
April 7, 2020



1

Research Data Sets

GFHNRC NPI404 Powwow Data Set

NARCH Mood Disorder Assessment

NICOA Conference 2014 & 2016

Colleen Kagan Dissertation-MMPI-2

Kyle Hill Dissertation-Resiliency

Kandi Burr-Selle Thesis-WISC-III

NRCNAA-Elder Needs Survey



2

Mental & Physical Health, Nutrition & Fitness of Northern Plains Indians



3

GFHNRC NPI 404

- Community Sample of 509 Adults
- Collected at Powwows and Health Fairs in ND & MN
- Examines Physical Health, Mental Health, Nutrition, and Food Security
- Assessed by Tribal Group:
 - Sioux/Lakota/Dakota/Nakota
 - Chippewa/Ojibwe
 - Mandan, Hidatsa, Arikara

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Approvals

UND IRB
GFHNRC Research Committee
Tribal Resolutions
Letters from Tribal Chairs
Letters from Powwow Committees
Letters from Tribal College Presidents



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Assessments

- Beck Depression Inventory-II (BDI)
- Center for Epidemiology Studies-Depression (CESD)
- Core Food Security Module (CFSM)
- Quality of Life Inventory (QOLI)
- Modified Harvard Food Frequency Questionnaire
- Northern Plains Bicultural Inventory (NPBI)
- Symptom Checklist-90-Revised (SCL-90-R)



6

Physical Measurement

- Height
- Weight
- Blood Pressure
- Body Mass Index (BMI)



7

**NARCH Pilot Study:
Mood Disorder Assessment
Validation with
Northern Plains Indians.**



8

NARCH Mood Disorder Assessment

Data Collected 2008-2010

7 tribes in North & South Dakota

600 participants

Groups:

No Diagnosis (Control)

Diagnosed Depressed

Diagnosed Anxious



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Approvals

UND IRB

Aberdeen Area IHS IRB

Great Plains Tribal Chairs Health Board

7 Tribal Councils

8 IHS Service Unit CEOs



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Assessments

- Demographic Questionnaire /Health & Substance Use
- Beck Anxiety Inventory (BAI)
- Beck Depression Inventory (BDI)
- Beck Hopelessness Scale (BHS)
- Center for Epidemiology Studies-Depression (CES-D)
- Northern Plains Bicultural Inventory-Revised (NPBI-R)
- Quality of Life Inventory (QOLI)
- Rumination Scale (RS)
- Substance Abuse Subtle Screening Inventory-III (SASSI-III)
- Symptom Checklist-90-Revised (SCL-90-R)
- Tri-Ethnic Depression Scale (TEDS)



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National Indian Council on Aging (NICOA)

2014 & 2016 Conference Survey
Phoenix, AZ & Temecula CA



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Approval

Memorandum of Understanding with National
Indian Council on Aging (NICOA) for each 2014 &
2016

UND IRB



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NICOA Survey

- Collected from Attendees of National Conference
- 668 participants: 135 Male; 533 Female
- Age 50-89 years
- Received ticket for raffle for participating
- Survey constructed by NICOA Staff



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Dissertation/Thesis Data

Thomas Petros, PhD
Psychology Department



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Colleen Kagan, PhD MMPI-2

Secondary Data analysis of dissertation data:

American Indian and Caucasian adults

Clinical Sample

College Sample

Community Sample



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Assessments

- Minnesota Multiphasic Personality Inventory-2 (MMPI-2)
- Northern Plains Bicultural Inventory-III



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Kyle Hill, PhD Resiliency

- College Students – AI/White
- Adverse Events in their lives
- Resiliency
 - SASSI-3
 - NPBI-III
 - BHS
 - Bicultural Self-efficacy scale (BSES)
 - BAI
 - Conner's Davidson Resilience Scale CD-RISC
 - Traumatic life events Questionnaire (TELQ) for PTSD



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Kandi Burr-Selle WISC-III

American Indian and Caucasian Children



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National Resource Center on Native American Aging (NRCNAA) Elder Needs Study

7 three-year cycles of data collection

14,000-20,000 elders participated in each cycle

Number of health and care related topics



20

Student Research



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Research

- Tribal Undergraduate Research Training and Learning Experience (TURTLE; 4-6/year)
- Native Health Research Team (NHRT)
 - Δ Funds to assist with research costs for Native behavioral health research projects (especially dissertation & thesis)
 - Δ Biostatistician
 - Δ Reference Librarian
 - Δ Technical Writer
- Native Scholars (2/year)



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Native Scholars

Scheduled

Dee BigFoot, Ph.D., OUHSC – 4/22-26/2013

John Gonzalez, Ph.D., BSU, Fall 2014

Lisa Greyshield, Ph.D., NMSU, Spring 2014

Melinda Garcia, PhD, Albuquerque, Spring 2015

Gayle Morse, Ph.D., Sage College, Albany, Spring 2016

Kyle Hill, PhD, Summer 2016

Spero Manson, PhD, University of Colorado-Denver-
Spring 2017



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American Indian Health Research Conference

October 2010



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Students Included

Tribal College Students

UND Undergraduates

UND Masters Students

UND Doctoral Students

Interns in placements around the country

Graduate students in programs around the country



25

Native Health Research Team Fall 2012

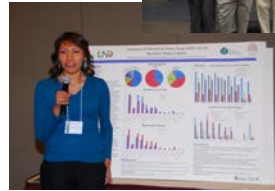


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The Harvest 2008-2018



- Doctoral Students (46), Masters students (24)
- Undergraduates (45)
- Graduates (13 PhD, 8 MAs, 13 BAs)
- Dissertations, Theses (22)
- Posters at Conferences (172)
- Manuscripts Published (12)
- Chapters Published (8)
- Abstracts Published (29)



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Wado Questions?

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