Indigenous Research

American Indian/Alaska Native
National Cancer Institute Webinar

Jacque Gray, PhD
April 7, 2020

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

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
Approvals

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

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)
Physical Measurement

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

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

Data Collected 2008-2010
7 tribes in North & South Dakota
600 participants
Groups:
   No Diagnosis (Control)
   Diagnosed Depressed
   Diagnosed Anxious

Approvals

UND IRB
Aberdeen Area IHS IRB
Great Plains Tribal Chairs Health Board
7 Tribal Councils
8 IHS Service Unit CEOs
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)

National Indian Council on Aging (NICOA)
2014 & 2016 Conference Survey
Phoenix, AZ & Temecula CA
Approval

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

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
Dissertation/Thesis Data

Thomas Petros, PhD
Psychology Department

Colleen Kagan, PhD MMPI-2

Secondary Data analysis of dissertation data:
American Indian and Caucasian adults
  Clinical Sample
  College Sample
  Community Sample
Assessments

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

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
Kandi Burr-Selle WISC-III

American Indian and Caucasian Children

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
Student Research

Research

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

American Indian Health Research Conference
October 2010
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

Native Health Research Team
Fall 2012
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)

Questions?

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