Navajo Nation Human Research Review Board Conference
Navajo Nation Museum ~ Window Rock, Arizona
October 16 and 17, 2019

“Na’alkaah biyi’d00 ééh0zin: Greater Insights through the Lens of Navajo Research”

Sponsored by:

Diné College
The Navajo Nation

Department of Health
& Department of Diné
Education

John Hopkins
Center for American
Indian Health

Center for Health Equity
Research & Partnership for
Native American Cancer
Prevention

AGENDA

DAY ONE: Wednesday, October 16, 2019

8:30 AM  MASTER OF CEREMONY  IRB Board Member

8:35 AM  INVOCATION  Stanley Reddy

8:45 AM  WELCOME  Charles M. Roessel, PhD, President, Diné College

Jonathan Nez, VP, Navajo Nation
Daniel Tso, Chair, HEHS Committee

9:00 – 10:15 AM  PLENARY SESSION

PLENARY SESSION

PANEL on GENETICS RESEARCH POLICY:
Nanibaa’ Garrison
Walter Phelps
Daniel Tso, Chair, HEHS Committee
Jaime Henio
David Begay

10:15 AM – 10:30 AM  AM BREAK & POSTER REVIEW

10:30AM– 12:00 NOON  MORNING SESSION I

1: Navajo Culture, Social & Language #1

FACILITATOR:

Herelda Anderson  Public Health
Maureen Russell  Education
Vincent Werito  Education/Public Health/Environmental/Behavior

Connecting "Hozho" to Established Research Studies
Laugh in Harmony: A Case Study of Daughter in Navajo Social Life
Understanding Cultural Values to Support Parents of Infants and Young Children in an Early Intervention
Developing Community Partnerships
through Research to Define Community Well-Being from a Diné-centered Perspective with Three (Diné) Navajo communities in New Mexico

Danielle Eakins Behavioral Health/Public Health

1: Environmental Issues #1

Autoimmunity and Uranium Exposures: Markers of Immune Dysfunction Associated with Proximity to Waste Sites and Metals in Drinking Water Among INEH Project Phase II Participants

Esther Erdei Environment/Public Health

Risk perception of Navajo communities along the San Juan River following the Gold King Mine Spill

Morgan Farley Environment/Public Health

'Tó'Litso, the water is yellow: Water, agricultural, and sediment quality results of the San Juan River on the Navajo Nation one year after the Gold King Mine Spill and community focus group findings within one year of the Spill.

Jani Ingram Environment/Public Health

Meta(loids) in Cucurbita pepo in a Uranium mining impacted area on the Diné Nation

Christine Samuel-Nakamura Environment

Assessing Indoor Radon Exposure on the Navajo Nation

Sheldwin Yazzie Public Health/Environment

2: Education #1

National Indian Education Study (NIES) - A Dissertation Project

James Deaton Education

Engaging Navajo Elementary Schools in Randomized Controlled Trial of Yéego! Health Eating & Gardening: Three phases of development

Kevin Lombard Public Health

High School Pathway Component to Increase American Indian Public Health Workforce - A Dissertation Project

Heather Dreifuss Education/Public Health

Secondary Data Analysis of American Indian student’s resilience through digital storytelling and final projects in the Diné College Summer Research Enhancement Program Curriculum

Heather Dreifuss Education

Building a Navajo Nation’s Public Health Workforce

Nicolette Teufel-Shone Public Health

2:00 NOON – 1:10 PM LUNCH Quality Inn

Speaker:

15 PM – 2:45 PM AFTERNOON SESSION I
## Navajo Culture, Social & Language #2

<table>
<thead>
<tr>
<th>Title</th>
<th>Facilitator</th>
<th>Field</th>
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</thead>
<tbody>
<tr>
<td>The Early Navajo Pastoral Landscape Project - Archaeology in the Service of Diné History</td>
<td>Wade Campbell</td>
<td>Navajo History</td>
</tr>
<tr>
<td>Diné Survivance in the Old Leupp Boarding School (1909-1942), A Historical Archaeological Site on the Navajo Reservation</td>
<td>Davina Two Bears</td>
<td>Education</td>
</tr>
<tr>
<td>Genetic analysis of peaches grown by Native Americans in North American Southwest</td>
<td>Reagan Wytsalucy</td>
<td>Agriculture</td>
</tr>
<tr>
<td>Linguistic Analysis of Child Language Production</td>
<td>Melvatha Chee</td>
<td>Education</td>
</tr>
<tr>
<td>Importance of Diné Language Translation and Interpretation of Medical and Scientific Terms in Community-based Health Research</td>
<td>Sara Henio-Adeky</td>
<td>Education/Environment/Medicine</td>
</tr>
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## Environmental Issues #2

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<thead>
<tr>
<th>Title</th>
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<th>Field</th>
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</thead>
<tbody>
<tr>
<td>Health Impact Assessment of Oil Drilling Operations in the Navajo Nation area of Counselor, Torreon and Ojo Encino Chapters</td>
<td>Teresa Seamster</td>
<td>Environment</td>
</tr>
<tr>
<td>DinÉH Project Retrospective: Findings of the Largest Population Health Study on the Navajo Nation Provide Evidence that Living Near Abandoned Uranium Mines is Unhealthy</td>
<td>Chris Shuey</td>
<td>Environment/Public Health</td>
</tr>
<tr>
<td>Vegetation Change On Navajo Farmlands Along The San Juan River After The Gold King Mine Spill Using Remote Sensing</td>
<td>Xiaobo Hou</td>
<td>Environment</td>
</tr>
<tr>
<td>Impact and recovery of Navajo Agricultural Activity following the Gold King Mine Spill</td>
<td>Malik Scott</td>
<td>Environment/Public Health</td>
</tr>
<tr>
<td>Exploring the changing relationships of Indigenous peoples with their natural environments: A cross-cultural Study</td>
<td>Gyan Nyaupane</td>
<td>Environment</td>
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## Diabetes #1

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<tr>
<th>Title</th>
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<tbody>
<tr>
<td>Evaluation of the New Onset Diabetes Education Program for Navajo Adults at Northern Navajo Medical Center</td>
<td>Denise Bartley</td>
<td>Diabetes</td>
</tr>
<tr>
<td>Participant recruitment and engagement in youth diabetes prevention research study: Tribal Turning Point</td>
<td>Christine Hockett</td>
<td>Public Health</td>
</tr>
<tr>
<td>Preventing complications of diabetes among Navajo adults</td>
<td>Joan O’Connell</td>
<td>Diabetes</td>
</tr>
</tbody>
</table>
The health educational tool called Diné Health (DH), will be utilized to examine the impact of cultural tailoring on health behaviors and health outcomes of Diné patients.

### The Role of Physical Activity in Preventing Type 2 Diabetes

- **Jaime Wilson**, Diabetes

### 2:45 PM – 3:00 PM

**PM BREAK & POSTER REVIEW**

### 3:00 PM – 4:30 PM

#### AFTERNOON SESSION 2

**Facilitator:**

<table>
<thead>
<tr>
<th>Topic</th>
<th>Speaker</th>
<th>Department</th>
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<tbody>
<tr>
<td>The Navajo Nation Health Survey (NNHS): Results of the Navajo Behavioral Risk Factor Surveillance Survey</td>
<td>Simental Francisco</td>
<td>Public Health</td>
</tr>
<tr>
<td>Development and Evaluation of a Cancer Literacy Intervention to Promote Mammography Screening among Navajo Women: A Pilot Study</td>
<td>Mark Bauer</td>
<td>Cancer/Public Health</td>
</tr>
<tr>
<td>Restoring Balance, a Physical Activity Intervention for Native Cancer Survivors, Preliminary Analysis</td>
<td>Brenda Charley</td>
<td>Cancer</td>
</tr>
<tr>
<td>Helicobacter pylori infections in Navajo communities of northern Arizona</td>
<td>Robin Harris</td>
<td>Public Health/Cancer</td>
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<tr>
<td>Academic and Community partnership to improve CRC screening in AI communities</td>
<td>Jennifer Hatcher</td>
<td>Cancer</td>
</tr>
<tr>
<td>Sociodemographic Correlates of Good Glycemic Control in Navajo Youth and Young Adults in the SEARCH for Diabetes Youth Study</td>
<td>Anna Bellatorre</td>
<td>Medicine/Public Health/Diabetes</td>
</tr>
<tr>
<td>Actors of success for a culturally tailored CHW Certification Program</td>
<td>Olivia Muskett</td>
<td>Education/Medicine/Public Health</td>
</tr>
<tr>
<td>Supports for Out-of-School time (OST) STEM Education</td>
<td>Nena Bloom</td>
<td>Education</td>
</tr>
<tr>
<td>Perspectives on Genetic Research in the Diné Nation</td>
<td>Nanibaa’ Garrison</td>
<td>Public Health</td>
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<tr>
<td>Predicting help-seeking attitudes and intentions in a Diné sample</td>
<td>Chesleigh Keene</td>
<td>Behavioral Health</td>
</tr>
<tr>
<td>Impact of RSV prevention in infancy on prevalence of asthma among 10 - 14 year-old children</td>
<td>Jessica Atwell</td>
<td>Maternal Child/Public Health</td>
</tr>
</tbody>
</table>
Indoor environmental exposures and asthma control among Navajo children in Tuba City, Arizona.

Wood stove interventions and child respiratory infections in rural communities

Impact of Heating Stove Replacement on indoor and Outdoor Air Pollutants and respiratory Health in Shiprock, NM

Residential Wood Smoke Interventions Improving Health in Native American populations

DAY TWO: Thursday, October 17, 2019

9:00 AM – 10:15 AM

MASTER OF CEREMONY

INVOCATION

OPENING REMARKS

PANEL PRESENTED BY THE NAVAJO EPIDEMIOLOGY CENTER

IRB Board Member

Alexander Thorne

Ramona Antone-Nez, NNDOH

0:15 AM – 10:30 AM

AM BREAK & POSTER REVIEW

10:30 AM – 12:00 NOON

MORNING SESSION 1

A: Infectious Diseases #1

Impact of PCV13 on Invasive pneumococcal disease on the Navajo Nation

Raymond Reid

Public Health

Trends in Invasive Haemophilus influenzae disease among Native American children

Nina Ritchie

Public Health

Impact of Routine PVC13 Use on pneumococcal Nasopharyngeal Carriage among Navajo and White Mountain Apache Tribal Members

Shea Littlepage

Public Health

Etiology of Community-Acquired pneumonia (CAP) in Hospitalized Native American Adults

Laura Hammitt

Public Health

Impact of PCV13 on Invasive pneumococcal disease on the Navajo Nation

Laura Hammitt

Public Health

B: Infectious Diseases #2

Maternal-Infant Health #1

The burden of Staphylococcus aureus among American Indians on the Navajo

Estar Denny

Public Health
<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
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<tbody>
<tr>
<td>1:00 PM - 1:15 PM</td>
<td>Family Spirit Nurture: Addressing Early Childhood Obesity Risks with a Home Visiting Program for Navajo Families</td>
<td>Shanyecka Yazzie</td>
<td>Maternal/Child Health</td>
</tr>
<tr>
<td>1:30 PM - 3:00 PM</td>
<td>Oral Health Knowledge, Attitudes and Behaviors Among Navajo Mothers with Infants</td>
<td>Shea Littlepage</td>
<td>Public Health</td>
</tr>
<tr>
<td>1:30 PM - 3:00 PM</td>
<td>Parent and Caregiver Survey and Center-based Early Learning Program Interviews</td>
<td>Candida Hunter</td>
<td>Maternal/Child Health</td>
</tr>
<tr>
<td>2:00 PM - 3:00 PM</td>
<td>Association Between Metal Exposure and Maternal Autoantibodies: Potential Role in Neurodevelopment</td>
<td>Adrianna Rojas</td>
<td>Environment/Maternal/Child Health</td>
</tr>
<tr>
<td>2:00 PM - 3:00 PM</td>
<td>Stopping Gestational Diabetes Mellitus Dissemination Plan Across Navajo Nation</td>
<td>Melanie Aspaas</td>
<td>Education/Diabetes/Maternal/Child health</td>
</tr>
<tr>
<td>2:00 PM - 3:00 PM</td>
<td>Fruit and Vegetable Prescription Program for Women with Diabetes in Pregnancy</td>
<td>Kymie Thomas</td>
<td>Diabetes</td>
</tr>
<tr>
<td>2:00 PM - 3:00 PM</td>
<td>The Development and Pilot Implementation of Asdzaan Be’eena’, an Intergenerational Preconception Health Program for Navajo Girls and their Female Caregivers</td>
<td>Jennifer Richards</td>
<td>Behavioral Science/Public Health</td>
</tr>
<tr>
<td>2:00 PM - 3:00 PM</td>
<td>A Randomized Control Trial (RCT) Evaluating the Effectiveness of a Preconception Counseling (PC) and Gestational Diabetes Mellitus (GDM) Risk Reduction Program for At-Risk American Indian and Alaska Native (AI/AN) Girls: Baseline Findings from Shiprock, NM</td>
<td>Shelby Thorkelson</td>
<td>Education/Diabetes/Maternal/Child health</td>
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2:00 NOON – 1:15 PM LUNCH Quality Inn

1:30 PM – 3:00 PM AFTERNOON SESSION 1

1 Children & Youth #1

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<th>Title</th>
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<tr>
<td>Social Cognitive Processes in a Sample of Navajo Children: An Eye-Tracking Study</td>
<td>Sara Nozadi</td>
<td>Maternal/Child Health</td>
</tr>
<tr>
<td>Neurodevelopmental profile of Navajo children enrolled in NBCS/ECHO</td>
<td>Brandon Rennie</td>
<td>Maternal/Child Health</td>
</tr>
<tr>
<td>The Native Vision Program: Promoting a Healthy Future for Native Youth</td>
<td>Alicia Tsosie</td>
<td>Behavioral/Public Health</td>
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<tr>
<td>A Randomized Control Trial (RCT) Evaluating the Effectiveness of a Preconception Counseling (PC) and Gestational Diabetes Mellitus (GDM) Risk Reduction Program for At-Risk American Indian and Alaska Native (AI/AN) Girls: Baseline Findings from Shiprock, NM</td>
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Gestational Diabetes Mellitus (GDM) Risk Reduction Program for At-Risk American Indian and Alaska Native (AI/AN) Girls: Baseline Findings from Shiprock, NM

Johnnye Lewis
Environment

1: Children & Youth #2
Food & Nutrition #1

Comparison of Navajo and Non-Navajo American Indian Adolescent Substance Use Rates and treatment of Substance Use

Randall Swaim
Behavioral Science/Public Health

Health Hunger Free kids Act on Navajo Nation 2016-Present

Sierra Frank-Ignacio
Public Health/School Health/Maternal Child Health

Thinking Zinc: A nutritional intervention or metal toxicity

Laurie Hudson
Environment

Effectiveness of Navajo Fruit and Vegetable Prescription (FVRx) Program implemented Among Young Children (9-5 years)

Ariel Shirley
Diabetes

Impact of the Healthy Diné Nation Act of 2014

Kristen Tallis
Public Health

2: Food & Nutrition #2

Understanding Local Food Shopping Patterns on Navajo Nation

Shine Salt
Diabetes

Mutton Consumption Survey

Jani Ingram
Behavioral Health

Healthy Navajo Store Initiative: Increasing Health Food Access through Partnerships with Retailers

Janine Hood
Diabetes

Developing and testing policy, systems and environment (PSE) interventions to reduce chronic disease on the Navajo Nation: Looking Back, Moving Forward

Joel Gittelsohn
Behavioral/Public Health

3:00 PM – 3:15 PM
PM BREAK & POSTER REVIEW

3:15 PM – 4:00 PM
Closing Remarks

Beverly Becenti-Pigman

Closing Blessing

POSTERS

Gold King Mine Spill

Yoshira Ornelas Van Horne
Public Health

Reclaiming Traditional Names to Promote Dine (Navajo) Language and Culture

Kendrick McCabe
Education

Efficacy of Maternal Immunization with

Laura Hammitt
Maternal/Child Health
<table>
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<tr>
<th>Title</th>
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<tr>
<td>RSV F Vaccine in Preventing RSV Lower Respiratory Tract Infection in Young Infants</td>
<td>Esther Erdei</td>
<td>Public Health/Environment</td>
</tr>
<tr>
<td>Cytokine production and metal exposures among Navajo mothers-newborn baby pairs</td>
<td>Lisa Poirier</td>
<td>Public Health</td>
</tr>
<tr>
<td>Meeting physical activity requirements by gender in six Native American communities</td>
<td>Caroline Wensel</td>
<td>Public Health</td>
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<tr>
<td>Frequency and type of beverage intake and risk of hypertension in Native American</td>
<td>Sally Yan</td>
<td>Public Health</td>
</tr>
<tr>
<td>Household and Individual-level Factors Associated with Fruit, Vegetable, and Fiber Intake among Native American Adults</td>
<td>Michele Estrade’</td>
<td>Public Health</td>
</tr>
<tr>
<td>Socioeconomic and Psychosocial Factors Associated with Diet Quality among Native American Adults: Baseline Data from the OPREVENT2 Study</td>
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