

Tribal Nations Research Group

Volume IV Issue I | April 2019

Newsletter

"To improve the quality of life for all Tribal Members, through culturally competent, custom-fit research"



WHAT'S INSIDE

2019 Data Matters Conference Highlights
Tribal Partner Retreat
CRCAIH 7th Annual Summit
Highlighted Associate Member
Recently Approved Research

The goal of this year's conference was to share information and best practices about data collection, data use, and data analysis, including research, and its importance to TMBCI.

TNRG would like to thank the outstanding volunteers, presenters, and TNRG staff who worked endlessly to make this year's conference an experience to remember and the excitement for future conferences.



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Autumn Zaste

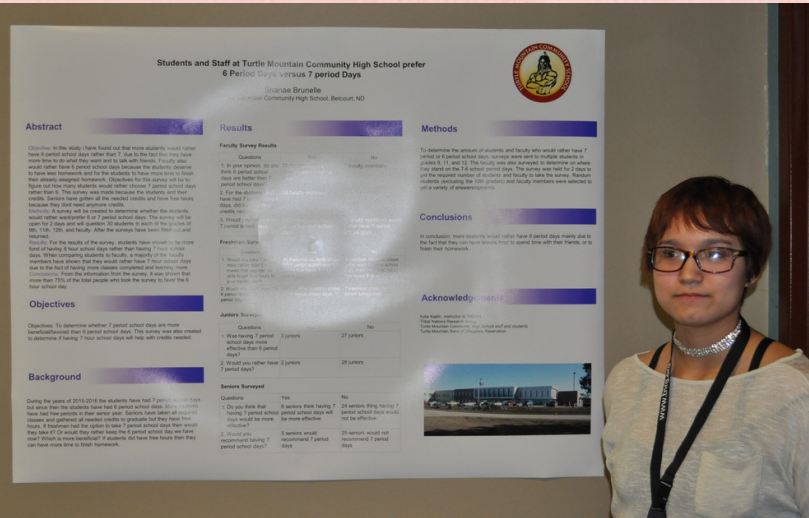
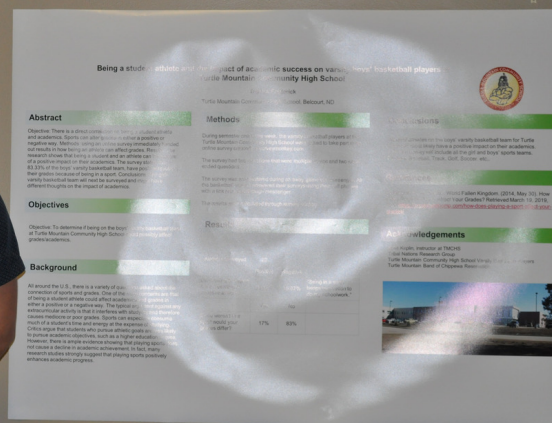
Students at Turtle Mountain Community High School answer drug related surveys honestly

Poster Presentation Winner

Paid Summer Internship at TNRG!

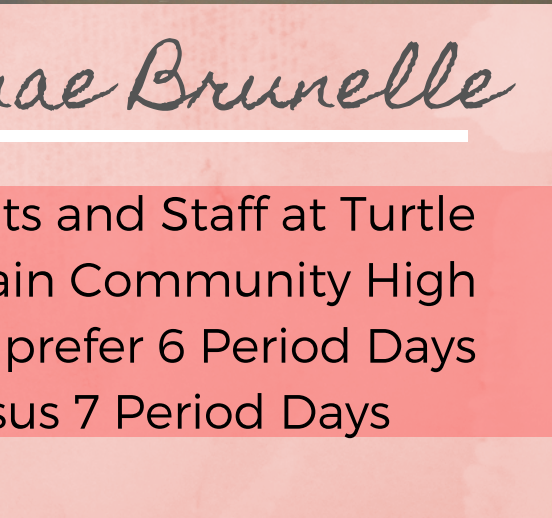
Darrick Frederick

Being a student athlete and the impact of academic success on varsity boys' basketball at Turtle Mountain Community High School



Shanae Brunelle

Students and Staff at Turtle Mountain Community High School prefer 6 Period Days versus 7 Period Days



Ivive Frederick

Strong family/social support systems have a positive impact on Academic Achievements in Native American High School students at Turtle Mountain Community High School



Cutting weight has a negative impact on wrestling performance of Turtle Mountain Community High School boys varsity wrestling team.

Frank Chapman
Turtle Mountain Community High School, Belcourt, ND



Frankie Chapman

Cutting weight has a negative impact on wrestling performance of Turtle Mountain Community High School boys varsity wrestling team

Abstract
Objective: A study was taken to determine if cutting weight has an effect on wrestling performance. The study was done to show athletes, athletes, and coaches the cutting weight does not give a competitive advantage and that cutting weight could have negative effects on the body. The equipment will be on 10-20 post and will be used to determine if cutting weight affects performance. The study will be done on 10-20 post and will be used to determine if cutting weight affects performance. The study will be done on 10-20 post and will be used to determine if cutting weight affects performance.

Results
1. Do you think cutting weight affects wrestling performance?
Yes: 100%
No: 0%

Conclusions
Based on the data collected, cutting weight does negatively affect wrestling performance. It also shows that cutting weight does not give a competitive advantage. To determine the effect of cutting weight, the study was done on 10-20 post and will be used to determine if cutting weight affects performance. The study will be done on 10-20 post and will be used to determine if cutting weight affects performance.

References
Long Term Effect of Cutting Weight in Wrestling. (2015, November). Retrieved from <http://www.strongwrestling.com>

Acknowledgements
I am grateful to my coach, Coach [Name], for his support and guidance. I also thank my friends and family for their encouragement and support throughout this project.



Shayla Zaste

Depression is associated with student academics, motivation and self perception in an American Indian population at Turtle Mountain Community High School

Abstract
Objective: To determine how depression affects students' academic and self-perception. The study was done to show athletes, athletes, and coaches the cutting weight does not give a competitive advantage and that cutting weight could have negative effects on the body. The equipment will be on 10-20 post and will be used to determine if cutting weight affects performance. The study will be done on 10-20 post and will be used to determine if cutting weight affects performance.

Results
Students with depression survey results
Questions: Yes/No
Do you have depression? 65% Yes, 35% No
Does depression have some effect on your academics? 65% Yes, 35% No
Does depression affect your motivation to go to work? 65% Yes, 35% No
Do you feel bad about yourself when you don't get an A? 75% Yes, 25% No
Does depression make school more stressful? 75% Yes, 25% No
Do you feel teachers understand how depression affects students? 65% Yes, 35% No
Does depression make your depression worse? 65% Yes, 35% No
Does depression make it harder to focus on work and school? 65% Yes, 35% No
Does depression affect your motivation to go to school? 65% Yes, 35% No
Does depression affect your motivation to go to work? 65% Yes, 35% No
Does depression affect your motivation to go to school? 65% Yes, 35% No
Does depression affect your motivation to go to work? 65% Yes, 35% No

Conclusions
Based on the data collected, depression does have some effect on academic performance, self-perception, and motivation. It also shows that depression does not give a competitive advantage. To determine the effect of depression, the study was done on 10-20 post and will be used to determine if depression affects performance. The study will be done on 10-20 post and will be used to determine if depression affects performance.

References
Depression and Academic Performance. (2015, November). Retrieved from <http://www.strongwrestling.com>

Acknowledgements
I am grateful to my coach, Coach [Name], for his support and guidance. I also thank my friends and family for their encouragement and support throughout this project.



Erwin Charette

Students and Staff Are Not Comfortable With Teachers Carrying Firearms at Turtle Mountain Community High School

Abstract
Objective: To determine if carrying firearms in schools is comfortable for students and staff. The study was done to show athletes, athletes, and coaches the cutting weight does not give a competitive advantage and that cutting weight could have negative effects on the body. The equipment will be on 10-20 post and will be used to determine if cutting weight affects performance. The study will be done on 10-20 post and will be used to determine if cutting weight affects performance.

Results
Students and Staff Are Not Comfortable With Teachers Carrying Firearms at Turtle Mountain Community High School

Conclusions
Based on the data collected, carrying firearms in schools is not comfortable for students and staff. It also shows that carrying firearms does not give a competitive advantage. To determine the effect of carrying firearms, the study was done on 10-20 post and will be used to determine if carrying firearms affects performance. The study will be done on 10-20 post and will be used to determine if carrying firearms affects performance.

References
Carrying Firearms in Schools. (2015, November). Retrieved from <http://www.strongwrestling.com>

Acknowledgements
I am grateful to my coach, Coach [Name], for his support and guidance. I also thank my friends and family for their encouragement and support throughout this project.



Kylie Keplin's AP Biology students created their own survey's, collected data and presented their posters at the 2019 Data Matters Conference.





2019 | CRCAIH Tribal Partner Retreat



→ dream → → believe →

CRCAIH Tribal Partners and staff gathered for a Retreat at the Mystic Lake Resort! We had a great two days talking about research infrastructure in our tribal communities, reminiscing about our successes, and planning for our future.



7th Annual Summit



Tribal Partner Panel





Photo by Dan Koeck

Think Bigger. Think Differently.
by Maya Beck

article by bMagazine

When Dr. Tami Jollie-Trottier (BF'16) decided to open a community art space, she aimed for the heart of the Turtle Mountain Chippewa Indian Reservation in northern North Dakota, where she grew up.

Generation Art sits two doors down from Seven Stone Center for Behavioral Health & Healing, Jollie-Trottier's private practice clinic in the Belcourt Shopping Mall. What's more, her entrepreneurial parents once owned a successful supermarket in the mall, and her clinic is in an office where her mother once worked. Grounded in her own history, Jollie-Trottier has created a unique intergenerational space for others.

"It's not a place for therapy," Jollie-Trottier says of Generation Art. "There are no direct services. It's a place where people can heal through art and intergenerational, multigenerational interactions. We have elders connecting with kids. We have artists, poets and sculptors volunteering their time to teach classes and workshops." Generation Art prioritizes inclusivity and respect for differences in spirituality, gender, culture and other identities.

In the years between her childhood on the reservation and her return to establish her practice, Jollie-Trottier studied, traveled and worked as a research psychologist. Her travels inspired Generation Art's look, which brings the feel of an urban coffee shop to rural North Dakota. Beauty and safety are crucial to create a welcoming space for trauma-informed community art. The low lighting fosters intimacy, the scents promote emotional regulation and curtains on the windows heighten the space's sense of security. It's all intentional. Before Generation Art had fully opened, friends and neighbors peered through its glass doors in curiosity. After it opened, two enthusiastic teachers started an art night. They brought in their own materials and donated their time to teach the community. Enthusiasm spread widely: Generation Art's seasonal skirt-making workshop filled within hours of being announced. It inspired other community artists of all ages to offer classes teaching traditional skills and crafts that recognize and reclaim their heritage.

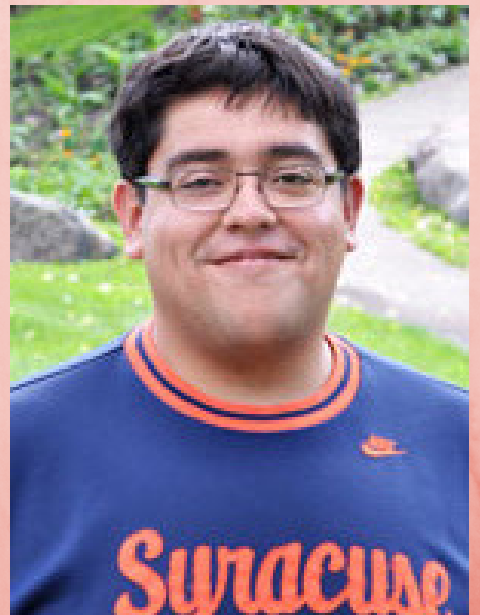
Because Generation Art is an all-ages space, Jollie-Trottier can work near her entire family. In fact, it was her eldest daughter who came up with the name Generation Art. "It's about focusing on the strengths, healing and gifts of Native people," Jollie-Trottier explains. "It's about a new generation, a new time for us."

Adamsen and Ward Present at Title VI Cluster Training

Collette Adamsen, PhD, and Cole Ward, MA, participated in the 2019 Title VI Cluster Training May 21-22 in Albuquerque, New Mexico. Adamsen is the director of the National Resource Center on Native American Aging (NRCNAA) at the Center for Rural Health at the University of North Dakota School of Medicine & Health Sciences. Ward is a project coordinator with the NRCNAA.

During the first day, Adamsen and Ward presented “Title VI Required Needs Assessments.” The second day, their presentation focused on “How to Use Your Title VI Data to Drive Your Services.”

“It was by far the biggest gathering of Natives at a Cluster Training that I have seen,” said Ward. “Since the NRCNAA is a national program, it is always a huge privilege to meet those we serve in person.”



Center for Rural Health

University of North Dakota
School of Medicine & Health Sciences

July 9th & 10th

8:30-4:30 both days

2-DAY WORKSHOP TO DESIGN STRATEGIES
FOR EFFECTIVE COMMUNITIES

art of hosting

SKY DANCER CASINO &
RESORT EVENT CENTER

promoting healthy outcomes
through indigenous food systems



Breakfast | Lunch | Snacks | Refreshments

WWW.TNRG.ORG TO REGISTER

free workshop | community members | tribal leaders



TNRG has added #QFF to our FaceBook page!

- April 12th - In 2015, the Turtle Mountain Reservation had a relatively high number of households (115 of 1910 total households (6%)) without vehicles that are more than one-half mile from a supermarket. -USDA

April 26th - The 2012-2016 American Community Survey 5-year Estimate lists the population of Rolette County as 14,531. Of that, 567 or 3.9% are Veterans.

May 3rd - Currently, the Turtle Mountain Band of Chippewa Indians oversees 20 non-restricted and 145 State or Federal restricted accounts, for a total of 174 Grant Awards. These accounts help to fund 50 Departments and 428 employees which fluctuates regularly. These numbers exclude Public Utilities, Indian Health Service, the Schools, and the Casinos who oversee their own operations. -TMBCI

May 10th - Belcourt currently has 157 businesses, Dunseith has 78, Rolette has 71, Rolla has 148, and St. John has 21. Data was collected from TERO, social media listings, the phone book, and nd.gov.
*These numbers exclude nonprofit, Tribal, State, and Federal agencies.

May 17th - The 2018 Fall area school enrollment numbers in October were:

- Belcourt School District #7 PreK-12, 1550
- Dunseith Public School K-12, 520
- Dunseith Day School PreK-6, 289
- Ojibwa School K-8, 278
- Rolette K-12, 159
- Rolla PreK-12, 216
- St. John K-12, 408
- Total, 3420

TMBCI Head Start has 5 centers. There were a total of 290 students enrolled in October 2018. The Turtle Mountain Community College had a Fall 2018 Semester enrollment of 573 and for the Spring 2019 Semester, 560.

TMCC GED Center had 34 graduates in 2015-16, 21 graduates in 2016-17, and 24 graduates in 2017-18. For a total of 79.

*Numbers were provided to TNRG by the area schools.

May 24th - According to the Veterans Service Office, Rolette County is currently home to 745 Veterans.

For Memorial Day weekend, TNRG extends gratitude to all who have served in the armed forces and remembers the 25 TMBCI members who were killed in action.

Korea: Willie LaFrance, Alfred LaVallie, Eugene Falcon, Lavern Gohl - Army

WWI: Joseph McCloud - Army

WWII: Edward Brien, James A. Brunelle, William A. Davis, Aloysius DeCoteau, Alex Demontigny, Gregory Desjarlais, Robert Lilley, Edward Morin, Charles LaFrance, James Gunville, Arthur Dionne, Adolphus Fayant, Louis B. Frederick - Army

Frank Gillis - Navy

Edward Warren - AAF

Vietnam: Christopher Davis, David A. Larson, Dennis Manson, Eric D. Nadeau, Ralph McCowan - Army

*Information was gathered from the wall at the Turtle Mountain Veterans Park

May 31st - In October 2018, the TMBCI had 32,607 enrolled members. Of that, 13,409 were Rolette County residents; 9,626 were 18 and older, and 3,783 were 0-17 years old.

*Information was provided by the BIA Enrollment Office.

June 7th - According to the 2017 American Community Survey (ACS), Zip Code 58316 has 90 males per 100 females or a 52.5% female population with a median age of 28 years old.

June 14th - For the fiscal year 2018, Quentin Burdick Healthcare Facility had 13,508 Emergency Room visits for an average of 38 ER visits per day.

*Source: Turtle Mountain Service Unit Operation Summary.

June 21st - Belcourt's total number of Housing Units is 2,461. The total number of Occupied Housing Units is 2,142.

Dunseith's total number of Housing Units is 1,197. The total number of Occupied Housing Units is 1,006.

Rolla's total number of Housing Units is 746. The total number of Occupied Housing Units is 624.

Rolette County's total number of Housing Units is 5,582. The total number of Occupied Housing Units is 4,766 with 3 people per household on average with 1975 as the median year that houses were built.

*Demographic data was collected from the 2017 American Community Survey



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Social Science - Data Carpentries Workshop

Tribal Nations Research Group[1], Midwest Big Data Hub[2], and University of North Dakota[3] are hosting a Data Carpentry Workshop for Social Science applications on July 23-24, 2019 at the following location:

Turtle Mountain Transportation Building, Auditorium Room
1300 Ogema Road
Belcourt, ND 58316

The workshop will run from 8 am to 4 pm each day of the event with an hour break for lunch.

What is a Data Carpentry Workshop?

"A Data Carpentry workshop teaches the core skills for working with data effectively and reproducibly. When working with data, it's often difficult to figure out what skills to learn or how to get started learning them. In Data Carpentry, we identify the fundamental skills needed in a given domain and develop and teach these skills in hands-on, two-day, interactive workshops. Workshops are currently designed for people with little to no prior computational experience and are domain-specific, so that researchers are working with data most relevant to their own work. They follow a narrative structure, working with one dataset through the whole data lifecycle from data and project organization to data analysis and visualization." [4]

What are the skills required to participate?

No previous experience with data science research is required. The workshop is geared towards person who are novice data users and researchers.

What topics will be covered?

- Data Organization through the use of Spreadsheets
- Data Cleaning using free OpenSource Software
- Data Analysis
- Data Visualization and Insight
- Basic Command-Line Computer Use
- Introduction to Programming using the "R" Programming Language

Where can I find other information, such as how I can Register for the Event?

<https://tinyurl.com/tnrg-dc>

[1] <http://www.tnrg.org/>

[2] <http://midwestbigdatahub.org/>

[3] <https://und.edu/>

[4] From: <https://datacarpentry.org/workshops/>

Larretta Hall

Grants Coordinator



Larretta Hall has almost 40 years of experience in Tribal Communities in North Dakota including serving a Tribal College Sponsored Programs Officer, grant writer and program administrator. She has a bachelor's degree from Morehead State University, Morehead, KY. Her experience includes work with tribal governments, tribal colleges and community organizations. She has also served as an evaluator for projects at two tribal colleges. Ms. Hall has been a field reader for the US Department of Education and the Department of Agriculture. She is an enrolled member of the TMBCI and a veteran.



RECENTLY
APPROVED
Research
2019

Multi-Site Implementation
Evaluation of Tribal Home Visiting
(MUSE)
- Nancy Whitesell

An evaluation of elementary
teacher satisfaction with the
quad teaching method
- Heather Chapman

Bird Parasites Transmitted by
Mosquitoes
- Kelsey Morin

Longitudinal Study on the the Impact
the Sunday Academy Model had on
STEM Learning and Success of
American Indian Students
- Paul Dauphinais

Tissue and genotype specific
expression of C-reactive protein:
relation to cancer biology
- Lyle Best

Modified Whittaker Plots as an
assessment and monitoring tool for
vegetation in the Turtle Mountains
- Stacie Blue

Business Incubator Community
Survey
- Erin Belgarde

Bridge Summer Camp at TMCC
- Scott Hanson
Shadow of Dumont
- Trevor Cameron



The Turtle Mountain Band of Chippewa Indian (TMBCI) Reservation is located on a six mile by twelve-mile land base and is considered one of the most densely populated Reservations, per square mile, in the United States. If the Turtle Mountain Reservation was listed as a city, it would be the 5th largest city in North Dakota. The Reservation is near the geographical center of North America in north central North Dakota, ten miles south of the Canadian Border. The hub city on the reservation is Belcourt, ND and is situated in Rolette County. The surrounding communities where tribal members also live include: Dunseith, St John, Rolette, and Rolla.

The Turtle Mountain Band of Chippewa Tribal Government has embraced the need for a formalized process of conducting research on the Turtle Mountain Band of Chippewa Indian Reservation. A process that will protect the people, culture, and natural resources of the Tribe and the Tribe's future generations from unauthorized scientific research. In addition, they realize the need to reduce the adverse effects of research and related activities on the Tribal community and ensure that researchers recognize Tribal control of research activities and that the Tribe owns all data and information generated or produced by such research. Through this process, a statutory basis will be established which will provide a process to review and govern any research, collection, database, or publication undertaken on the Reservation.



The Bush Foundation will award nearly \$5 million to 30 organizations through its Community Innovation Grant program. Funds will support problem-solving efforts across a range of issue areas including domestic violence prevention, food sovereignty and watershed preservation. “This year’s Community Innovation Grant recipients represent a growing network of organizations that are truly advocating for social change. It’s impressive to see the depth and breadth of thoughtful and responsive processes these organizations have proposed, and I know the Foundation is pleased to support such collaborative work,” said Molly Matheson Gruen, Bush Foundation Community Innovation Director. The Community Innovation Grant program was established in 2013 for community stakeholders to find breakthrough solutions to complex challenges. Projects receiving Community Innovation Grant support will inspire collaborative problem-solving processes that lead to more effective, equitable and sustainable solutions.

North Dakota State University will target the communities of Standing Rock Sioux Tribe in Sioux County and the Turtle Mountain Band of Chippewa Indians in Rolette County. This project will increase access to places that provide healthier and culturally-appropriate foods, including schools, group meal settings, childcare centers, and retailers. Another outcome of this project is to increase safe, culturally-appropriate, and accessible places for physical activity for these communities.

