

Engaging Lakota Communities: Defining Your Role in American Indian Research

Cheyenne River Research Symposium
March 18, 2015



This project was supported by the National Institute on Minority Health and Health Disparities
of the National Institutes of Health under Award Number 1R13MD009548-01

The Community Engagement and Innovation Division of the Collaborative Research Center for American Indian Health partnered with two South Dakota tribes to host community research conferences in the spring of 2015.

The following slide presentation was created by Karen Little Wounded as a summary of the Cheyenne River Research Symposium held on March 18, 2015 at the Cheyenne River College Center in Eagle Butte, SD.



Cheyenne River Research Symposium 2015



March 18, 2015

"Researching, Restoring and Rebuilding Our Oyate for a Longer Life"

Why a Research Symposium?

The intent of this day-long event was to better understand the importance of research and the benefits of research now and for our future. The day included presentations by leading researchers from Cheyenne River and beyond. A Student Research Competition for high school and college students precluded the symposium.

High School Poster Display Competition

- Cheyenne River's first research symposium held their first High School Poster Display Competition
- Students from Timber Lake High School, C-EB High School and Red Cloud High School were represented
- Researched topics included The Effectiveness of Daily Disinfecting Computer Keyboards, Is Academic Performance in Primary Grades an Indicator for Performance in Secondary Grades and Translational Science In Anxiety and Alcohol Abuse



High School Poster Display Competition

“TRANSLATIONAL SCIENCE IN ANXIETY AND ALCOHOL ABUSE”

ROBERT POURIER JR.



College Research Paper Competition

- Cheyenne River's first research symposium held their first College Research Paper Competition.
- One student from the South Dakota School of Mines submitted his completed research paper on Introduction to Graphene.

TRISTAN PICOTTE

- College Student with the School of Mines and Technology, Rapid City, South Dakota
- Tristan presented his Research Paper on the “Introduction to Graphene”
- Tristan’s proud father, Mr. Bill Picotte, accepted the award on his son’s behalf



RESEARCH



RESEARCH *VERB NOUN* **pasí** *V-T* to follow or to trace smth (as a rumor), to inquire about smth, investigate, research, make a study of, examine. → *V-POS*: **kpasí** to research one's own; *V-REFL*: **ikpasí** to examine/research oneself; *ADV*: **pasíkel** in a way of researching *ADV*: **kpasíkel** in a way of researching one's own; *V-ABS*: **wapasí** to investigate things, research things/people, do research things/people, do research *V-T*: **ipási** to insist upon details of smth, ask questions about, investigate smth/sb; research smth; *N*: **wópasi** research, investigation.

éyapaha

Éyapaha [LYS] V-INT

1 to announce, to herald, proclaim aloud; to act as a herald or an announcer.

Thíiyaza éyapahapi.

They went announcing from tipi to tipi.

Joseph Yrachetta, MS



WELCOME!

“today we will not only cover health or biology **RESEARCH**, but political, social, health care, biology, environmental and cultural”.

~ Joseph Yracheta 2015

Presenters

- ❖ Harold Frazier, CRST Chairman
- ❖ Marcia O'Leary, Manager, Missouri Breaks Industries Research, Inc.
- ❖ Trenton Casillas, Member, One Mind Youth Movement
- ❖ Dr. Jeff Henderson, Black Hills Center for American Indian Health

Presenters

Round Table Discussion

- **Moderator**, Eileen Briggs, Ex Director, Tribal Ventures
- Jerilyn LeBeau-Church, CEO, Great Plains Tribal Chairman's Health Association
- Dr. Lyle Best, Researcher & Instructor
- Carlisle Ducheneaux, CRST Natural Resources
- Joseph Yracheta, Missouri Breaks Industries Research, Inc.



*“Why is
Research
Important on
Cheyenne
River”?*



CRST Chairman Frazier

“Why is Research Important on Cheyenne River?”

“The other day a college from the University of Kansas come and talk to me and they said they went and interviewed some of the kids at the school here. ***They asked these kids questions like, what’s your dream, where do you see yourself in ten years.*** One of the things that stuck out to them and to me was that although these kids had pretty good dreams, in ten years they see themselves living at home with their parents”.

~ Harold Frazier 2015

CRST Chairman Frazier

“Why is Research Important on Cheyenne River?”

“That kind of reason started me thinking and getting into research, ***why is that, why do our kids forget their dreams, because dreams are important to all of us*** sometimes we have to deviate or change our dreams but we get to where we want to go. So, with that after learning about research I said we should research that and find out, ***why is that***”.

~ Harold Frazier 2015

Marcia O'Leary

Missouri Breaks Industries
Research Inc.

***“Research is
Everywhere.***

***How do we make
it work for
Cheyenne River”?***



RESEARCH IS EVERYWHERE....How do we make it work for Cheyenne River?

- *“Marketing is based on research. The flashing sign out in front of Dairy Queen is based on research. It’s flashing there, enticing us to come in and buy their products. That’s their job!”*

~ Marcia O’Leary 2015



RESEARCH IS EVERYWHERE....How do we make it work for Cheyenne River?

- “Research happens everyday and in every aspect of our life. Whether you are aware of it, whether you consented for it, it happens.”
- “Everybody is content to let somebody else do our thinking, we need to let that stop! The day of letting other people control our data needs to stop.”



“A big shout out to the Cheyenne River Sioux Tribe for passing the first Smoke-Free Ordinance, that’s so significant, no longer will our youth and our elders and people that don’t want to be exposed to smoke be forced to be in an environment that is full of carcinogens”.

Marcia O’Leary, BSN

Trenton Casillas

One Mind Youth Movement

Trenton speaks about local research this newly founded Cheyenne River youth organization has been doing on “Fluoride in the Water on Cheyenne River”.



Trenton Casillas

“research just isn’t for adults...”

~ member

One Mind Youth Movement

Dr. Jeff Henderson
Black Hills Center for
American Indian Health

*“Journeys Along
the Good Red
Road: Intersections
of Culture, Science,
Policy and Health
Inequities in
American Indians”*



“Journeys Along the Good Red Road: Intersections of Culture, Science, Policy and Health Inequities in American Indians”

• **Research**

- Strong Heart Study
- Earth Study
- Environmental Justice Project
- 1993 No Smoking Ordinance passed through Tribal Council

~ Dr. Jeff Henderson 2015

INTERESTING FACTS !!!!

- ❖ research is everywhere....
- ❖ research fills in knowledge gaps....
- ❖ research will not benefit someone right away. ideally, research will benefit someone down the road.

~ Dr. J Henderson 2015

“genetics in nicotine metabolism”

- No other group of people has the fastest and highest rate of metabolism associated with nicotine than the Lakota.
- This group with the fastest and highest rate of metabolism of nicotine are:
 - More likely to smoke
 - More like to smoke a greater quantity when they smoke
 - Are more likely to have difficulty quitting
 - Less likely to quite
 - Pharmaceutical agents that we have used to help our smoking relatives to quite aren't as effective as they are in people who metabolize nicotine more slowly

~ Dr. J. Henderson 2015

“Journeys Along the Good Red Road: Intersections of Culture, Science, Policy and Health Inequities in American Indians”

- **Restoring**

- **Language Project**

- This language teaching project would enhance the fluency of twelve Lakota drum groups and their singers.

- These singers have the advantage of knowing the songs and have a head start in language.

- The outcomes of this project would include: increasing the fluency of these singers to 80-85%, expand their vocabulary, use old and new songs but the new songs would be old songs they hadn't heard and to become socially conversant. (funding disapproved)

~ Dr. Jeff Henderson 2015

“Journeys Along the Good Red Road: Intersections of Culture, Science, Policy and Health Inequities in American Indians”

• **Rebuilding**

Data Sovereignty

- Finland and Iceland host the **most** valuable data in the world.
- Both countries have national health care systems.
- Fully integrated social, educational law and health systems.

~ Dr. J. Henderson 2015

“Journeys Along the Good Red Road: Intersections of Culture, Science, Policy and Health Inequities in American Indians”

“data is the new platinum”

~ Dr. Jeff Henderson 2015

ROUND TABLE DISCUSSION

Moderator:

❖ Eileen Briggs, MEd

Panelists:

- ❖ Lyle Best, MD;
- ❖ Jerilyn LeBeau-Church, MSW;
- ❖ Joseph Yracheta, MS
- ❖ Carlisle Ducheneaux, CRST
Environment & Natural Resources



What was discussed?

- **Why is a symposium of this kind important?**
- **What direction should research go?**
- **Institutional Review Board, commonly referred to as an IRB, what steps should we take, what questions should we ask ourselves about doing that, about making sure what research should be done?**
- **Funding: what we should we expect?**

What was discussed?

- How do we talk about the results of research?
- How should this research be translated so we can better utilize this data?
- What are some of the issues of sharing data?
- What steps should we take for data sovereignty?
- What steps can we take to build our capacity?

LUNCH



This year during Cheyenne River's first research symposium, Linda Black Elk, Faculty from Sitting Bull College, presented on Traditional Plants during the lunch break and was very well attended.

***Takini Students* were in the house! *Wophila* to the Takini High School Counselor and to Cole and Colin White Wolf for making this possible.**

Traditional Plants





LUNCH TIME



Presenters

- Denise Casillas, Director, CRST Four Bands Healing Center
- Cece Big Crow, OST, University of Colorado
- Eileen Briggs, Executive Director, CRS Tribal Ventures
- Dr. Lyle Best, Missouri Breaks Industries Research, Inc.
- Dave West, Jr., CR College Center Director

Denise Casillas

Director

Four Bands Healing Center

*“Connecting to the
Power Within –
Empowering
Communities
through Research”*



METHODOLOGY

“Methodology is an organized, documented set of procedures and guidelines for one or more phases of the analysis or design ~ a step-by-step “cookbook” approach for carrying out the procedure”.

Denise Casillas, MA
PP CR Symposium 2015

“Connecting to the Power Within – Empowering Communities Through Research”

- ❖ **Community Based Participatory Research**
- ❖ **Tribal Participatory Research**
- ❖ *Institutional Review Board*
- ❖ *Informed Consent*
- ❖ *Ethnically Gloss*
- ❖ *Indigenous Research Examples*

“some sort of healing must occur after research”

~ Denise Casillas 2015

Research and Review Board

- **Cece Big Crow**
- **Oglala Sioux Tribal Member**
- ✓ Presented on the need for a Tribal Research and Review Board
- ✓ How to implement a RRB
- ✓ Organizing the board
- ✓ Data sharing, data management, data sovereignty



Eileen Briggs
CRS Tribal Ventures

*“Voices Research
Data Collection,
Analysis, Storing,
Sharing,
Utilization and
Stockholders”*



Tribal Ventures Voices Report

- Northwest Foundation
- Ten Year Plan to Reduce Poverty on the reservation
- Community Research (1 out of every 5 households surveyed)
- Immediate and usable statistics to create solutions to community needs
- Voices Research
- Data Cleaning
- Community workshops and informational meetings

Dr. Lyle Best

Researcher

Principal Investigator

Instructor

**Institutional
Review
Board**



Evaluation and Closing

- Dave West, Jr.

CR College Center
Director

- Denise Casillas

Four Bands Healing
Center Director



RESEARCH

“Research is important for everybody”

“Stories are Data”

“Research just isn’t for adults”

“Data is the new platinum”

“Research is everywhere”

WOPHILA!





Hosted By:

**Missouri Breaks Industries Research Inc.
Cheyenne River Sioux Tribe
CRST Tribal Ventures
Four Bands Healing Center
Sanford Research Center
OLC/Cheyenne River College Center**

This project was supported by the
National Institute on Minority Health and Health Disparities
of the National Institutes of Health
under Award Number 1R13MD009548-01

The content is solely the responsibility of the authors
and does not necessarily represent the official views
of the National Institutes of Health

