

# Summer Research TRAINING INSTITUTE

for American Indian and Alaska Native Health  
Professionals and Students

JUNE 10 - 21

2024

NORTHWEST NATIVE AMERICAN RESEARCH CENTER FOR HEALTH



# NORTHWEST NATIVE AMERICAN RESEARCH CENTER FOR HEALTH

A program of the Northwest Portland Area Indian Health Board

## OUR MISSION

Housed at the Northwest Portland Area Indian Health Board (NPAIHB) Tribal Epicenter, the NW NARCH is part of a national research and science education program that includes input from tribes, tribal organizations, and universities.

## OUR VISION

Our main goal is to improve tribal health by increasing the numbers of tribal people who are engaged in biomedical and social science research and who can bring the benefits of academic research into their communities.

# CONTENTS



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**01**  
ABOUT

---

**02**  
ELIGIBILITY

---

**03**  
DETAILS

---

**04**  
TRAVEL SCHOLARSHIP

---

**05**  
COURSE SCHEDULE

---

**06**  
COURSE DESCRIPTIONS

---

# ABOUT



The Summer Research Training Institute (SRTI) is an intensive research training program of the Northwest Native American Research Center for Health (NW NARCH). SRTI curriculum is designed by skilled instructors to meet the needs of American Indian/Alaska Native (AI/AN) professionals and students interested in Native health. The courses, which vary in length, are conducted in the morning and afternoon. Each week will offer Lunchtime Seminars featuring innovative presentations.

- SRTI courses will be **hybrid** (in-person and virtual) from June 10 - 21, 2024. In-person classes will be in Portland, Oregon at the Northwest Portland Area Indian Health Board (NPAIHB). Virtual classes will be on Zoom, streaming live in-person instruction.
- We have limited travel scholarships to attend in-person courses.
- Certificates are awarded upon completion of each course.

“This was an overall amazing training, so many courses I wanted to experience. I have rarely found a training opportunity like this where there was so much offered. I can see all of us applying these new skills to impact the work we do. I look forward to this training again.”

2023 SRTI TRAINEE

# ELIGIBILITY

Almost anyone who works in Native health can take advantage of this skill-building opportunity - including administrators, community health workers, physicians, nurses, researchers, and program managers. Professionals who seek training opportunities related to research will find relevant SRTI courses emphasizing research skills, program design, and implementation. We encourage AI/AN health professionals and health science students to attend.

## COST OF PARTICIPATION

If eligibility criteria are not met, the cost of tuition per course is \$300.

## ELIGIBILITY CRITERIA

Tuition may be covered by a grant from the National Institutes of Health (NIH) if you meet the following criteria:

- Be an AI/AN health professional or student.
- Be employed at a Tribal health organization, if you are not AI/AN.

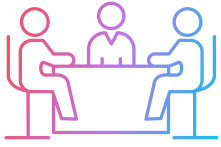
## CVENT REGISTRATION



<https://cvent.me/aeNBre>



# DETAILS



## IN-PERSON TRAINING SESSIONS

All in-person classes will be held at the Northwest Portland Area Indian Health Board. All course materials will be provided on Canvas, our learning management system. Up to three training sessions will occur at the same time in the Washington Tribes, Oregon Tribes and Computer Training rooms. Class sizes will range from 11 to 24 trainees.

- Address: 2121 SW Broadway Suite 300, Portland, OR 97201



## WHERE TO STAY

We have secured a room block at Hyatt House Portland/Downtown. Hyatt House Portland/Downtown is located in Portland's RiverPlace District and only two blocks away from the Willamette River. Conveniently, there is a Portland Streetcar stop in front of the hotel for easy travel throughout the city. If you apply and are awarded a travel scholarship, hotel costs will be covered. If you are not selected to receive a travel scholarship, the negotiated out of pocket cost for a studio king is \$169 plus tax per night. \*Travel scholarship recipients are required to stay at the Hyatt House Portland/Downtown.

- Address: 2080 S River Dr, Portland, OR 97201



## VIRTUAL TRAINING SESSIONS

Virtual classes will be on Zoom. Trainees will have access to live views of in-person class sessions, with both audio and video. If trainees have questions, a NW NARCH team member will facilitate questions using the chat feature. Technical assistance will be provided by the IT department. Zoom links will be provided after registration.

## CONTACT INFORMATION & SOCIAL MEDIA



Summerinstitute@npaih.org or SRI@npaih.org



nw\_narch



[www.linkedin.com/in/nw-narch](http://www.linkedin.com/in/nw-narch)

# TRAVEL SCHOLARSHIP

We are offering a limited number of travel scholarships. You can apply when you register via CVENT.

## ELIGIBILITY

Travel scholarships are available for American Indian and Alaska Native participants and Tribal Health Organization employees.

## APPLICATION CHECKLIST

You will need:

- A brief statement describing why you want to attend the training institute and how the training institute will benefit your career/education goals in three paragraphs.
- Commitment to attend at least one full week of SRTI with morning and afternoon courses.
- If you are applying as a Tribal Health Organization employee, you will need to submit written supervisor approval on an official letterhead to attend.
- Submit a copy of Certificate of Degree of Indian Blood or Tribal enrollment (if applicable).

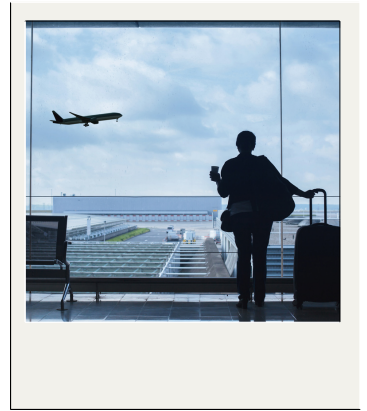
## EXPENSES COVERED

1. Lodging (room and tax only) during your registered training courses;
2. Airfare, train, or car mileage to Portland, Oregon and;
  - a. Car mileage is based on U.S. General Services Administration rates and must not exceed lowest airfare to Portland, Oregon.
3. Course tuition, course materials, and books.

Note: Award *DOES NOT* cover ground transportation, baggage fees, travel itinerary change fees, per diem and incidental expenses. Travel must be within the United States.

## SELECTION PROCESS

- All applications will be reviewed by an appointed committee and the highest-rated applicants will be selected.
- Awardees will receive their scholarship notification via an email from [summerinstitute@npaihb.org](mailto:summerinstitute@npaihb.org).
- Course load should include both morning and afternoon courses for at least one week.
- Awardees will be given five (5) business days to accept/decline the scholarship award. Please notify Summer Institute staff via email at [summerinstitute@npaihb.org](mailto:summerinstitute@npaihb.org). Failure to notify staff will result in award withdrawal.
- As a final recipient, you will be contacted to discuss travel arrangements.





# COURSE SCHEDULE

<b>Week 1</b>	Monday 6/10	Tuesday 6/11	Wednesday 6/12	Thursday 6/13	Friday 6/14
9 AM - 12 PM Pacific Time	Program Evaluation <b>OR</b> Cancer Prevention & Control <b>OR</b> Graphic Design				
12-1:30 PM	Break	Break	Seminar	Break	Break
1:30-4:30 PM	Research, Ethics & Values <b>OR</b> Intro to Grant Writing				

<b>Week 2</b>	Monday 6/17	Tuesday 6/18	Wednesday 6/19	Thursday 6/20	Friday 6/21
9 AM - 12 PM Pacific Time	Tribal Sovereignty <b>OR</b> Grant Management & Budgeting				
12-1:30 PM	Break	Seminar	Break	Break	Break
1:30-4:30 PM	Data Viz <b>OR</b> Designing Survey Instruments	Intro to Data Science ArcGIS	Wrangling & Summarizing in R	Intro to Data Science ArcGIS	Wrangling & Summarizing in R
	<b>OR</b>	<b>OR</b>	<b>OR</b>	<b>OR</b>	<b>OR</b>
	Research Design & Intermediate Grant Writing				



# COURSE DESCRIPTIONS

WEEK 1

## PROGRAM EVALUATION

WITH ROSALINA JAMES, PHD, LUMMI/DUWAMISH



Students will be introduced to the fundamental principles of program evaluation and their application. The course will cover a variety of theory-based evaluation designs and methods. Evaluation focusing on assessment of processes, impact, and outcomes associated with health promotion and health education programs will be emphasized. By the end of the course, students will have developed a plan for evaluating a program and present to faculty and students.

Schedule: 6/10 - 6/14, 9 AM-12 PM

Capacity: 24 in-person

## GRAPHIC DESIGN FOR HEALTH PROMOTION

WITH JILL NEUMEISTER, BA, PAWNEE NATION

This course will focus on how to effectively communicate and disseminate materials digitally. Participants will learn how to use readily available graphic design tools to enhance the visual appeal of their public health promotion and research-related materials. Trainees will also learn about basics of graphic design theory such as idea generation, typography, color theory, impactful wording, and visual harmony. Please come to this course with a project you are currently working on or an idea of a project you can work on throughout the week. The instructor will offer hands-on guidance and constructive feedback as students work on their projects individually and in small groups. On the final day of the course, students will present their designs to the class.

Schedule: 6/10 - 6/14, 9 AM-12 PM

Capacity: 11 in-person, 10 virtual



## CANCER PREVENTION & CONTROL

WITH CHARLES WIGGINS, MSPH, PHD



In this course, students will gain a foundational knowledge in cancer control and prevention. First, students will define cancer and learn about basic concepts used to characterize cancer. Then, the course will dive into cancer surveillance, with topics on public health surveillance, measures of disease frequency and association, and age-adjusted rates. Next, students will learn how to screen for cancer and understand cancer in terms of epidemiological study designs. The course will end with identifying and utilizing internet based cancer control resources.

Schedule: 6/10 - 6/14, 9 AM-12 PM

Capacity: 6 in-person

## INTRODUCTION TO GRANT WRITING WITH RACHEL DRESBECK, PHD

Writing successful proposals is important for public health professionals, whether they are trying to secure funding for a research project or fund an important program. This workshop will cover the basics of grant writing, including how to write effectively and persuasively, the various components of proposals, basic budgeting, and strategies to increase success. We will cover several types of grants (depending on participant needs) as well as the secrets of grant review. We will spend time on your own writing process, discussing and practicing strategies for improving writing productivity and developing your writing style. You will be able to benefit from individual coaching, if desired.

Schedule: 6/10-6/14, 1:30-4:30 PM

Capacity: 24 in-person



## RESEARCH, ETHICS & VALUES IN INDIAN COUNTRY WITH ROSALINA JAMES, PHD, LUMMI/DUWAMISH



During this course, students will learn about the importance of research with AI/AN communities in the role of ethics and review processes. The curriculum will cover case studies detailing historical research missteps and trauma, best practices on conducting research with tribes, overview of human subjects research and institutional review board, informed consent, and emerging ethical issues. By the end of this course, students will develop a mock research idea concerning a tribe and deliver a presentation outlining best practices and research ethics.

Schedule: 6/10-6/14, 1:30-4:30 PM

Capacity: 15 in-person

## WEEK 2

## TRIBAL SOVEREIGNTY & PUBLIC HEALTH POLICY WITH JIM ROBERTS, BS, HOPI & BRETT LEE SHELTON, JD, MA, OGLALA SIOUX

Federal and state policies with various tribes have evolved substantially since treaties were first negotiated in colonial times. Key pieces of legislation, court decisions, and administrative action have occurred at critical junctures in Indian-federal relationship. This session will provide an overview on the responsibility of the United States to provide health care to American Indians and Alaska Natives under the federal trust relationship. It will include an overview on the Indian health system by reviewing its history through the development of important legislation and policies that have shaped the structure of the health system and challenges it faces today. All of the instructors work in tribal policy and bring many years of experience to the class.

Schedule: 6/17-6/21, 9 AM-12 PM

Capacity: 23 in-person, 10 virtual



## GRANT MANAGEMENT & BUDGETING

WITH LINDA BURHANSSTIPANOV, DRPH, MSPH, CHEROKEE NATION



Students will learn more about development of grant budgets for NIH, techniques for monitoring grant spending, and methods for tracking grant benchmarks/achievements in an efficient manner. We will make extensive use of Excel software. Each day will include hands-on exercises, short quizzes, and problem-solving for real-life grant-related challenges. The instructor has many decades of experience with grant management and is delighted to share her expertise. No pre-requisites, although some familiarity with Excel will help make the learning process more efficient.

Schedule: 6/17-6/21, 9 AM-12 PM

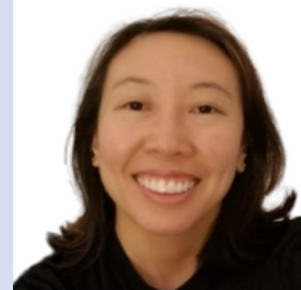
Capacity: 15 in-person, 5 virtual

## INTRODUCTION TO DATA VISUALIZATION WITH ALYSSA YANG, MPH AND KARUNA TIRUMALA, MPH

This course will get you started in creating charts and graphs using Excel. We will discuss strategies for effective data visualizations, including choosing the right chart type, tailoring to your audience, and using data to create a story and focused message. We'll do some hands on work together, constructing charts in Excel, and you'll leave with a few custom templates to use in your future data visualization work.

Schedule: 6/17, 1:30 PM-4:30 PM

Capacity: 11 in-person



## DESIGNING SURVEY INSTRUMENTS

WITH BARBARA H. BRUMBACH, PHD



Surveys can be a very useful tool for gathering data, and this course provides guidance on how to get started. You will learn some tools for thinking through whether to make use of existing surveys or write your own from scratch, and in the latter case, how to construct questions that will shed light on your research question. Using several case studies as examples, we will think through cultural considerations, discuss pitfalls such as built-in assumptions, and talk through strategies for measuring things that are difficult to capture directly.

Schedule: 6/17, 1:30-4:30 PM

Capacity: 12 in-person, 10 virtual

## INTRODUCTION TO ARCGIS PRO WITH JOSHUA TOOTOO, MS, GISP

This course will provide a gentle introduction to the software program ArcGIS, a tool for visualizing spatial data and creating maps. You will learn how to create a map that conveys information clearly, and will have the opportunity to create a map of your own with a dataset provided. No previous experience with creating maps or with ArcGIS is necessary to take this course. Software will be provided to registered students. We will send information on how to install ArcGIS software before class. Please bring your laptop to class.

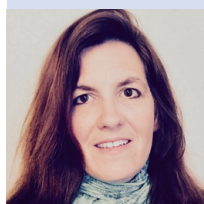
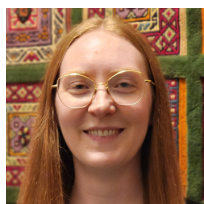
Schedule: 6/18, 3:00-4:30 PM and 6/20, 3:00-4:30 PM

Capacity: 12 in-person



# INTRODUCTION TO DATA SCIENCE METHODS

WITH ALICIA JOHNSON, MPH AND JODI LAPIDUS, PHD



Data science is a rapidly evolving field that includes many content areas that may be familiar: data wrangling and visualization, statistical inference, and regression modeling. But data science also encompasses techniques that efficiently search datasets that are large, and sometimes enormous, to discover patterns or clusters – this is known as “machine learning”. In this session, students will be exposed to several data science techniques commonly employed in the health sciences. We will provide examples of a variety of methods, some with Native-focused datasets, and will include demonstrations of some analyses in R and RStudio. Students will have access to the code and datasets to practice using these methods. As a group, students will have the opportunity to discuss some of the opportunities and challenges of working with high-dimensional data. Please bring your laptop to class.

Schedule: 6/18, 1:30-3:00 PM and 6/20, 1:30-3:00 PM

Capacity: 12 in-person, 10 virtual

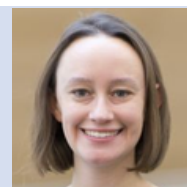
## DATA WRANGLING & SUMMARIZING IN R

WITH JESSICA MINNIER, PHD AND MEIKE NIEDERHAUSEN, PHD

In this two-day course, we will introduce the freely available statistical software programs R and RStudio to students with no prior experience. We will cover how to use RStudio to write and run code, introduce data structure types, and demonstrate commands for working with data: loading, viewing, summarizing, plotting, cleaning, and saving. You will learn basic R data wrangling and plotting principles, and how to use them to create high-quality reproducible documents to present your work. Please bring your laptop to class.

Schedule: 6/19, 1:30-4:30 PM and 6/21, 1:30-4:30 PM

Capacity: 12 in-person, 10 virtual



## RESEARCH DESIGN & INTERMEDIATE GRANT WRITING

WITH LINDA BURHANSSTIPANOV, DRPH, MSPH, CHEROKEE NATION



National Institutes of Health (NIH) Grant writing course will focus on the NIH grant process. Prior to the course, participants should have a preliminary grant idea. That idea will be the focus of all course activities for the week. The goal by Friday, is that each participant will have specific components drafted in preparation of contacting NIH to discuss and obtain guidance specific to their grant idea. Class topics will include, but not be limited to overviews and/or practice using: NIH resources and sample applications, NIH grant review criteria, grant mechanisms, grant titles, detailed description, research questions and hypotheses, specific aims statements, specific aims page, approach (research strategy) / significance & innovation, timeline, budget and budget justification, data management and sharing plans, NIH protection of human subjects, data and scientific evidence, find a study section, partnerships / community-based participatory research (CBPR) principles, project summary, bio sketch, a walk-through NIH forms, and what happens to your grant once submitted online. Each day will have in class and/or after class homework. Demographics and pre-tests will be collected Day 1 and several days during the week will include polling, interactive, or post-test items. Participants will share segment(s) from their grants every day. Training satisfaction will be collected on Friday.

Schedule: 6/17-6/21, 1:30-4:30 PM

Capacity: 5 in-person



# SPONSORS, THANK YOU FOR YOUR ONGOING SUPPORT

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## **Native American Research Centers for Health**



**NORTHWEST PORTLAND AREA  
INDIAN HEALTH BOARD**

National Institute of General Medical Sciences  
Under Award Number 1S06GM141002  
Native American Research Centers for Health  
Northwest Portland Area Indian Health Board

### Contact Information

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