



Summer Research Training Institute for American Indian and Alaska Native Health Professionals

June 13-July 1, 2016
Portland, Oregon

Who should attend

The Summer Research Training Institute curriculum is designed to meet the needs of professionals who work in diverse areas of American Indian and Alaska Native health. Almost anyone who works in Indian health can take advantage of this skill-building opportunity—from administrators to community health workers, physicians, nurses, researchers, and program managers. Because our courses emphasize research skills, program design and implementation, those professionals who seek training opportunities related to research will find relevant courses in this program. American Indian and Alaska Native health professionals and health science students are strongly encouraged to attend. We also seek American Indian and Alaska Native students and participants from other professional areas who are interested in Native health issues.

Sponsors

The Summer Institute is funded by the National Institute of Health, a Native American Research Centers for Health (NARCH U261IHS0074) housed at the Northwest Portland Area Indian Health Board. It is co-sponsored by the Center for Healthy Communities, a CDC-funded Prevention Research Center (U48DP005006), at Oregon Health & Science University.

For more information

Northwest Portland Area Indian Health Board
Summer Institute
2121 SW Broadway, Suite 300
Portland, OR 97201
Tel: 503-416-3285 Fax: 503-228-8182
E-mail: summerinstitute@npaihb.org
Visit: www.npaihb.org/training/narch_training

Travel and Accommodations



Location

Courses will take place at the Northwest Portland Area Indian Health Board, located at: 2121 SW Broadway, Suite 300, Portland, OR, 97201. Transportation options to and from the training will be sent to registered trainees prior to the beginning of the Summer Institute.



Travel to Portland

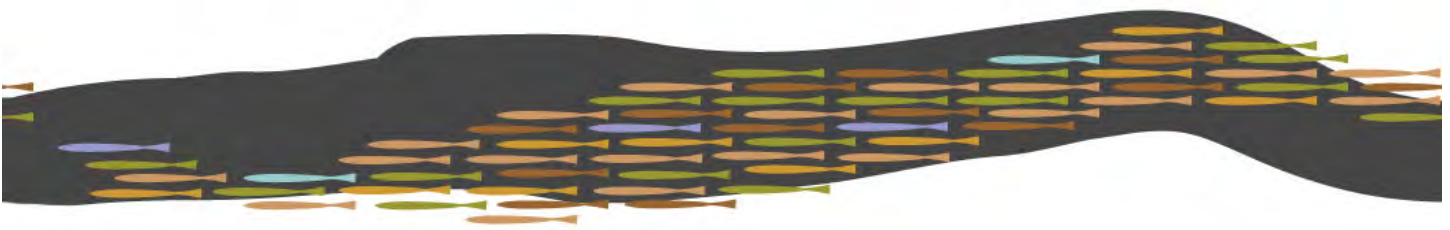
Summer Research Training Institute participants are responsible for making their own travel arrangements. Portland is easily accessible by plane, train, and automobile. Portland International Airport is approximately 15 minutes from downtown Portland and is accessible by light rail train (“the Max”) and by car. The train station and bus depot are located in the middle of downtown Portland. Several city buses offer service to the Northwest Portland Area Indian Health Board. For more information on public transportation visit: www.trimet.org. If you need additional assistance with transportation options, we are available to assist you.

Where to Stay

We have negotiated a discounted rate with the Portland Marriott Downtown Waterfront located at 1401 SW Naito Pkwy, Portland, OR 97201. Please contact them at (503) 226-7600 and reference the 2016 Summer Institute group when making your reservation. Many other hotels in Portland offer government rates and discounted rates to guests of Oregon Health & Science University. We suggest you make reservations as early as possible as Portland area hotels fill quickly in the summer. Travel scholarship recipients will be required to stay at the Portland Marriott Downtown Waterfront and will have reservations made for them.



This year's hotel venue has changed!



About the Curriculum

Courses are offered each week (morning and afternoon) and vary in length from four to five days. You may choose as many courses that interest you, so long as they don't overlap. All books and course materials will be provided. Courses with fewer than five enrolled students will be cancelled. If you own a laptop, we suggest you bring it to the training. **All students will be expected to complete a final exam or project in each of their courses to receive certificates of completion.**

Course Descriptions and Schedules

Week One: June 13-17, 2016

Epidemiology I

This course focuses primarily on the basic principles of epidemiology: (1) introduction to epidemiologic thinking, (2) measures of disease frequency and association, (3) basic statistics relevant to epidemiology measurement, and (4) an overview of study design (especially cross-sectional surveys, case-control, and cohort studies). As time allows we will also cover a very basic introduction to bias, confounding, and effect modification.

Time: 9:00am-12:00pm
Instructor: John Stull, MD, MPH

Community-based Participatory Research

This course will provide an introduction to community-based participatory research (CBPR) with tribal communities and will introduce the concepts of effective CBPR. This class will discuss standard methods of gathering information and the value of community involvement in data collection through the use of representative CBPR studies. Upon completion of this course, trainees should have more confidence and competence in using CBPR techniques with their tribal communities.

Time: 9:00am-12:00pm
Instructor: Victoria Warren-Mears, PhD, RD

Indigenous Ways of Knowing: Implications for Scientific Discovery

The aim of this course is to heighten participant awareness of "Indigenous Ways of Knowing" as it relates to health promotion research with American Indians Alaska Natives and Native Hawaiians (AI/AN/NH). We will: a.) explore publications that provide an understanding of the concept of Indigenous Ways of Knowing; b.) consider key elements in the research paradigm and compare/contrast with a "Western" world view of research; and c.) consider the implications for both health promotion and research. Our aim is to role model an Indigenous perspective in our course design, attention to the physical setting, approaches to teaching and learning, and provision of guest speakers. We will feature a holistic world view of health promotion research with: a.) guest speakers (researchers and practitioners), who will consider the importance of "Indigenous Ways of Knowing" for health promotion and health-related research with AI/AN/NH, b.) class exercises that foster the integration of readings, and c.) course requirements that are designed to support participant integration and application of learning to his or her area of work interest.

Time: 1:30pm-4:30pm
Instructors: June Strickland, PhD, RN and Cornel Pewewardy, D.Ed

Week One, con't: June 13-17, 2016

Digital Storytelling: Connecting Storytelling Traditions and Technology to Share Wellness, Prevention and Health Information

Digital stories (DS) combine narration, images, sound, video, and technology to create a short movie. Participants give voice to their experiences as they exercise their power to write and create their own personal narrative. Additionally, DS provide an opportunity for participants to acquire and demonstrate technology skills, using multimedia tools that are often free and accessible via the internet. DS gives participants access to develop their own media messages for health or wellness, which are relevant to their community. During our five half-day course, we will learn how to focus the story, script development, recording narration, picture and music selection, and multimedia editing to publish a video. When finished, a digital story can be viewed on CD, DVD, or through social media/internet. The ability to have the story disseminated in so many formats makes it an effective way to distribute wellness, prevention and health information. At the end the course, students will be able to create additional stories and/or help their community members to create their own story of wellness.

Time: 1:30pm-4:30pm

Instructor: Laura Revels, BA, MAc

Week Two: June 20-24, 2016

Substance Abuse Epidemiology

This course examines prevention and treatment services for American Indian/Alaska Native populations with substance use and behavioral health disorders. Classes examine social determinants of health and the range of substance use disorders (SUDs) and describe health services research opportunities. Prevalence and incidence of SUDs, risk and protective factors, culturally relevant interventions, use of participatory research methods, and culturally developed and supported interventions will also be explored. Class members engage in active discussion related to their own work and community. Services research strategies and policy interventions are also reviewed. Students will be introduced to papers on key concepts and will participate in group projects, activities, and interactive learning.

Time: 9:00am-12:00pm

Instructors: Dennis McCarty, PhD and Kathy Tomlin, LPC, CADIII

Human Subjects

The goal of this course is to enable researchers to recognize and appropriately address legal, regulatory, and ethical issues in clinical, epidemiological, and community-based research, with special attention to research involving Native populations. This goal is accomplished by (1) teaching basic concepts in law, federal regulation, study design, and ethics; (2) reviewing common problems encountered in human subjects protocols and informed consent forms; (3) reviewing the roles and responsibilities of all involved in the conduct of human subjects research; (4) reviewing the obligations of researchers in relation to initial and continuing reviews, reporting of adverse events, reporting changes in approved research, and consenting and monitoring human subjects as required by federal regulations; (5) discussing the additional protections afforded selected populations of human subjects; (6) exploring historical and recent cases of human subjects abuses; and (7) focusing on the need to develop policies and procedure to best protect all Native subjects and communities.

Time: 9:00am-12:00pm

Instructor: Francine Gachupin, PhD, MPH

Week Two, con't: June 20-24, 2016

Introduction to Biostatistics: Concepts with Amy Laird, PhD

In this course students will get a gentle introduction to concepts in biostatistics. We will lay the foundation for conducting public health research from a biostatistical point of view. Specifically, students will learn about types of data and how they can be summarized; estimation; hypothesis testing; categorical data analysis; and (if time) diagnostic testing. Although the focus of the course will be on ideas, students will make use of statistical software (Stata) and will learn how to interpret some computer-generated results. Examples from the literature, drawn primarily from studies involving Native populations, will illustrate concepts. This course is intended to prepare students for Intermediate Biostatistics the following week and is designed to dovetail with Introduction to Epidemiology for students who are taking that course.

Time: 9:00am-12:00pm
Instructor: Amy Laird, PhD

Epidemiology II

This course involves a more detailed exploration of epidemiologic study designs, primarily cross-sectional, case-control, and cohort studies addressing questions related to chronic diseases and cancer control. We will include discussions of some of the cultural considerations in the design and implementation of these studies. This course will also examine in more detail topics of importance to the design, implementation, and evaluations of observational epidemiology studies: (1) systematic error (selection and information biases); (2) confounding; and (3) effect modification. Reading assignments for this course will include journal articles, as well as chapters from the assigned text.

Prerequisite: Epidemiology I (or equivalent).

Time: 1:30pm-4:30pm
Instructor: John Stull, MD, MPH

Program Planning

This intensive course introduces the program planning process with a specific focus on developing health promotion programs. By the end of the course, students should be conversant with the elements of the planning process, including problem analysis, strategy/intervention selection, setting objectives, program implementation and program evaluation. The PRECEDE/PROCEED model will be used as an organizing framework to guide students through the process of developing health promotion programs in a variety of settings and populations. Through the application of theory and with consideration of social, cultural, economic and political factors that influence health, students will develop a multi-level intervention program.

Time: 1:30pm-4:30pm
Instructor: Dawn Richardson, PhD

Survey Design, Data Entry & Management

Much of the data collected in epidemiologic research involves the use of questionnaires. This course will cover the design and use of questionnaires in survey research. We will review the strengths and limitations of using existing survey instruments (wording, formatting, scales, and scores), and the process for developing new questionnaires and scales. Methods of quality control and interviewer training will be covered. The course will also cover the management of survey data using the public domain freeware EpiData. Students will learn to create data entry screens with programmed checks to reduce errors during keyboard entry.

Time: 1:30pm-4:30pm
Instructor: William Lambert, PhD

Week Three: June 27- July 1, 2016

Program Evaluation

This intensive course will introduce students to the fundamental principles of program evaluation and their theoretical bases. The course will include discussion of a variety of theory-based evaluation designs and methods. Evaluation focusing on processes, impact, and outcomes associated with health promotion and health education programs will be emphasized. Specific attention will be concentrated on the practical application of theories. By the end of the course, each student will have developed a comprehensive plan for evaluating a program of his or her choosing, and each will have presented the plan for critique by faculty and students. Students should come prepared with a program they wish to develop an evaluation plan for.

Time: 9:00am-12:00pm

Instructors: Mark Dignan, PhD, MPH and Tosha Zaback, MPH

Grant Management

This course is designed for those interested in learning more about grant management after an award is received. Topics to be discussed include: human resource issues related to hiring and termination, development and monitoring of budgets, submitting progress reports, electronic submissions of forms to different federal agencies, communications with tribal and other communities, and quality control issues in grant management. Guest instructors will share their expertise in different areas. Learning evaluation will include a pre/post test.

Time: 9:00am-12:00pm

Instructor: Teshia Solomon, PhD

Intermediate Biostatistics

In this course students will be exposed to biostatistics concepts and data analysis methods used in clinical and public health research. The focus will be on intermediate level topics, such as stratified contingency tables, correlation, linear regression and logistic regression. Students will have the opportunity to use some statistical software in the course, but the focus will be on biostatistical reasoning, and interpretation of data in the context of health research studies. Thus, many exercises will be conducted by examining and interpreting output from statistical packages, as well as the published literature. This course will build upon previous analytic courses taught in the AI Summer Institute, such as Data Analysis with SAS. Introductory statistics will be touched on briefly during day one of the course, but students should have taken one or more of the aforementioned Summer Institute courses, or have equivalent university coursework or work experience.

Prerequisite: Introduction to Biostatistics: Concepts (or equivalent).

Time: 1:30pm-4:30pm

Instructor: Jodi Lapidus, PhD

*Note: This is a 4 day (Monday - Thursday) course.

Cancer Control and Prevention

Cancer remains a leading cause of morbidity and mortality among tribal people, and many of the causes of cancer in Native people are preventable. In this course, we will discuss cancer etiology, cancer biology, common epidemiologic approaches to studying cancer and cancer prevention, surveillance, and will present examples of successful cancer prevention projects in Indian country.

Time: 1:30pm-4:30pm

Instructors: Charles Wiggins, PhD and Tom Becker, MD, PhD

Course Schedule

Week 1: June 13-17, 2016

Time	Monday	Tuesday	Wednesday	Thursday	Friday
9am-noon	Epidemiology I	Epidemiology I	Epidemiology I	Epidemiology I	Epidemiology I
9am-noon	Community-based Participatory Research	Community-based Participatory Research	Community-based Participatory Research	Community-based Participatory Research	Community-based Participatory Research
1:30pm-4:30pm	Indigenous Ways of Knowing	Indigenous Ways of Knowing	Indigenous Ways of Knowing	Indigenous Ways of Knowing	Indigenous Ways of Knowing
1:30pm-4:30pm	Digital Storytelling	Digital Storytelling	Digital Storytelling	Digital Storytelling	Digital Storytelling

Week 2: June 20-24, 2016

Time	Monday	Tuesday	Wednesday	Thursday	Friday
9am-noon	Introduction to Biostatistics: Concepts	Introduction to Biostatistics: Concepts	Introduction to Biostatistics: Concepts	Introduction to Biostatistics: Concepts	Introduction to Biostatistics: Concepts
9am-noon	Substance Abuse Epidemiology	Substance Abuse Epidemiology	Substance Abuse Epidemiology	Substance Abuse Epidemiology	Substance Abuse Epidemiology
9am-noon	Human Subjects	Human Subjects	Human Subjects	Human Subjects	Human Subjects
1:30pm-4:30pm	Epidemiology II	Epidemiology II	Epidemiology II	Epidemiology II	Epidemiology II
1:30pm-4:30pm	Program Planning	Program Planning	Program Planning	Program Planning	Program Planning
1:30pm-4:30pm	Survey Design, Data Entry & Management	Survey Design, Data Entry & Management	Survey Design, Data Entry & Management	Survey Design, Data Entry & Management	Survey Design, Data Entry & Management

Week 3: June 27-July 1, 2016

Time	Monday	Tuesday	Wednesday	Thursday	Friday
9am-noon	Program Evaluation	Program Evaluation	Program Evaluation	Program Evaluation	Program Evaluation
9am-noon	Grant Management	Grant Management	Grant Management	Grant Management	Grant Management
1:30pm-4:30pm	Intermediate Biostatistics	Intermediate Biostatistics	Intermediate Biostatistics	Intermediate Biostatistics	
1:30pm-4:30pm	Cancer Control and Prevention	Cancer Control and Prevention	Cancer Control and Prevention	Cancer Control and Prevention	Cancer Control and Prevention

How much does it cost?

Tuition for each course offered is \$300. Tuition covers course materials and required textbooks. Waivers are available for American Indian and Alaska Native participants and Tribal EpiCenter employees. Travel scholarships are available for registrants who meet the eligibility requirements:

Travel Scholarship:

The 2016 application period is March 1, 2016 to April 1, 2016. No exceptions will be made and applications will only be accepted via Regonline. Applicants must:

- provide proof of EpiCenter employment (for Non-native EpiCenter employees);
- provide a copy of Certificate of Indian Blood or tribal enrollment (if applicable) and not already on file;
- submit a brief essay describing why they want to attend the Summer Institute and how it will benefit their career/education goals (in three paragraphs); and
- attend at least one full week with both morning and afternoon courses.

Travel scholarships cover the cost of 1) lodging (room and sales tax only) and 2) airfare, train, or car mileage (up to \$600). Please note: mileage is based on federal regulations and must not exceed lowest airfare to Portland.

To Apply:

To apply for a tuition waiver or travel scholarship, you will need to enter a tribal affiliation or enter the name of the Tribal EpiCenter you work for within the 'Other Personal Information' section in Regonline. Once that information is selected, a check box will appear. You will be asked to check the box if you want to apply for a tuition and/or travel scholarship. Travel scholarship applications require a brief essay also included in this section.

Selection Process:

- All applications will be reviewed and the highest-rated applicants will be selected.
- Awardees will receive their scholarship notification within four (4) weeks of deadline.
- Travel scholarships are limited, but we will do our best to award as many qualified applicants as possible.
- Students and new registrants will be given preference.
- Course load should include both morning and afternoon courses each week of attendance.
- Awardees will be given five (5) business days to accept/decline the scholarship award and must notify us via email at summerinstitute@npaihb.org or 503-416-3285. Failure to notify will result in award withdrawal.
- As a final recipient, you will be contacted to discuss logistical arrangements.

Tuition is due by May 30, 2016. Please make checks payable to:

Northwest Portland Area Indian Health Board
Summer Institute
2121 SW Broadway, Suite 300
Portland, OR 97201

Tips for Registration

- *Registration should be completed on-line at www.npaihb.org/training/page/summer_training_institute/
- *Registration will be closed on May 30, 2016.
- *Scholarship application will be closed on April 1, 2016
- *Class space is limited, so it is best to register as soon as possible.
- *If a class is full, you will be placed on a waitlist. Should an opening become available, you will be notified.
- *Please note that you will not be allowed to switch classes during the training.

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