

Hosted by the Northwest Portland Area Indian Health Board and
the Center for Healthy Communities at Oregon Health & Science
University



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

June 15-July 2, 2015
Portland, Oregon

Registration due by May 1, 2015

Who should attend?

Our 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.

How much does it cost?

Tuition scholarships are available for American Indian and Alaska Native participants and Tribal EpiCenter employees. For others, tuition checks should be made payable to: Northwest Portland Area Indian Health Board (Summer Institute). Tuition is charged for each course offered. The cost of each course is \$300. Travel scholarships are available on a first-come, first-served basis for American Indian and Alaska Native participants. Priority will be given to students.

To apply for tuition and travel scholarships, please mark the appropriate box on the online registration form and e-mail proof of tribal enrollment or a letter of support from your tribe to summerinstitute@npaihb.org or fax to 503-228-8182. Registration can be accessed at the web address below.

For more information:

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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 Marriott Residence Inn-Downtown Riverplace located at 2115 Southwest River Parkway, Portland, OR, 97201. Please contact them at (503) 552-9500 and reference the 2015 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 Marriott Residence Inn-Downtown Riverplace.

Sponsors

The Summer Institute is funded by a Native American Research Centers for Health grant (NARCH U2611-HS0074) from the NIH/IHS housed at the Northwest Portland Area Indian Health Board, and is co-sponsored by the Center for Healthy Communities, a CDC-funded Prevention Research Center (U48DP005006), at Oregon Health & Science University.

About the Curriculum

Courses are offered each week (morning and afternoon) and vary in length from three 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 culminating project in each course to receive a certificate of completion.**

Course Descriptions and Schedules

Week One: June 15-19, 2015

Introduction to Epidemiology

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

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

Qualitative Analysis with ATLAS.ti

This course will teach participants how to conduct a qualitative data analysis project with ATLAS.ti 7 Windows. Instructors will start by providing a conceptual introduction to the software and the methods behind it.

Following, Instructors will then proceed to create and implement an analysis project with ATLAS.ti 7 Windows going through all of the steps required for an effective analysis process. Teaching will be hands-on. A sample data set and supplementary material will be provided. If participants plan to bring a personal laptop they may want to have ATLAS.ti 7 Windows (full or free trial version) installed prior to the start of class.

Time: 9:00am-12:00pm

Instructors: Ricardo Contreras, PhD and Tam Lutz, MPH, MHA

Data into Action: Outbreak Investigation

This course will review the epidemiologic principles and key steps involved in outbreak response. It will also discuss common jurisdictional issues related to outbreak investigations in Indian Country. We will undertake an interactive review of disease surveillance, detecting an outbreak, creating case definitions, selecting a study design, and choosing appropriate outcome measures and their statistical tests. We will spend the latter part of each afternoon working together through case studies that highlight these topics. **The course is tailored to practicing, MPH-level epidemiologists, and covers practical issues often not included in academic training programs.** The course may also be useful to nurses and physicians who are working in applied public health settings.

Time: 1:30pm-4:30pm

Instructors: Tom Weiser, MD, MPH, Richard Leman, MD, and Matthew Murphy, PhD, MS

Research Design and Grant Writing

This course is designed for health professionals and students with a working knowledge of epidemiology and study design. It will cover how to plan, design, and develop a NIH research proposal from the abstract to the research design and methods. To be accepted into this course each participant must e-mail an AI/AN health research grant idea to: summerinstitute@npaihb.org by May 15th.

Time: 1:30pm-4:30pm

Instructor: Linda Burhannstipanov, MSPH, DrPH, CHES



Week Two: June 22-26, 2015

Epidemiology Methods

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: Introduction to Epidemiology (or equivalent).**

Time: 9:00am-12:00pm

Instructor: John Stull, MD, MPH

Substance Use Disorders: Epidemiology and Interventions

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. Current empirically supported prevention and treatment practices are reviewed and 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: Traci Rieckmann, PhD and John Spence, PhD

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.

Time: 1:30pm-4:30pm

Instructor: Mark Dignan, PhD, 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.

Instructor: Teshia Solomon, PhD

Time: 1:30pm-4:30pm



Week Three: June 29-July 2, 2015

Indigenous Ways of Knowing: Implications for Science

The aim of this course is to heighten participant awareness of “Indigenous Ways of Knowing” as it relates to health promotion research with American Indian, Alaska Native, and Native Hawaiians (AI/AN/NH). We will: (1) Explore publications that provide an understanding of the concept of Indigenous Ways of Knowing; (2) Consider key elements in the research paradigm and compare/contrast with a “Western” world view of research; and (3) Consider the implications for health promotion research. Our aim is to 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: (1) 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; (2) Class exercises that foster the integration of readings; and (3) Course requirements that are designed to support participant integration and application of learning to his or her area of work interest.

Time: 9:00am-12:00pm

Instructors: June Strickland, PhD and Cornel Pewewardy, D.Ed

Data Linkages

Data linkage is a powerful tool that allows data analysts to combine elements of two or more separate datasets or to deduplicate a dataset. Linkage techniques are commonly used to evaluate public health programs, conduct surveillance, and conduct research. This is a hands-on course that will introduce students to applications of data linkage and teach them to conduct a linkage. We will use the public domain software, LinkPlus, developed by the CDC, to train participants to perform probabilistic linkages. The course will be interactive with each student participating in all aspects of the exercises on his or her individual PC in the computer lab.

Time: 9:00am-12:00pm

Instructors: Melissa Jim, MPH and David Espey, MD

Indian Health Policy

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 and policies through the development of important legislation, such as the Indian Self-Determination and Education Assistance Act and the Indian Health Care Improvement Act. The course will cover the financing, delivery, and payment of health care services within the Indian health system. An important aspect of the course will be to discuss past and present challenges and potential solutions to the financing, structure, staffing, and service delivery of the Indian health system, including a discussion about how health reform will impact the system. A review of current and past legislation, health policy, and research issues will be included.

Time: 1:30pm-4:30pm

Instructors: Jim Roberts, Brett Shelton, and Ralph Forquera

Cancer Prevention and Control

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 15-19, 2015

Time	Monday	Tuesday	Wednesday	Thursday	Friday
9am-noon	Introduction to Epidemiology	Introduction to Epidemiology	Introduction to Epidemiology	Introduction to Epidemiology	Introduction to Epidemiology
9am-noon	Human Subjects	Human Subjects	Human Subjects	Human Subjects	Human Subjects
9am-noon	Qualitative Analysis with ATLAS.ti	Qualitative Analysis with ATLAS.ti	Qualitative Analysis with ATLAS.ti	Qualitative Analysis with ATLAS.ti	Qualitative Analysis with ATLAS.ti
1:30pm-4:30pm	Research Design and Grant Writing	Research Design and Grant Writing	Research Design and Grant Writing	Research Design and Grant Writing	Research Design and Grant Writing
1:30pm-4:30pm	Data Into Action: Outbreak Investigation	Date Into Action: Outbreak Investigation	Data Into Action: Outbreak Investigation	Data Into Action: Outbreak Investigation	Data Into Action: Outbreak Investigation

Week 2: June 22-26, 2015

Time	Monday	Tuesday	Wednesday	Thursday	Friday
9am-noon	Epidemiology Methods	Epidemiology Methods	Epidemiology Methods	Epidemiology Methods	Introduction to Epidemiology
9am-noon	Substance Use Disorders: Epidemiology and Interventions	Substance Use Disorders: Epidemiology and Interventions	Substance Use Disorders: Epidemiology and Interventions	Substance Use Disorders: Epidemiology and Interventions	Substance Use Disorders: Epidemiology and Interventions
1:30pm-4:30pm	Program Evaluation	Program Evaluation	Program Evaluation	Program Evaluation	Program Evaluation
1:30pm-4:30pm	Grant Management	Grant Management	Grant Management	Grant Management	Grant Management

Week 3: June 29-July 2, 2015

Time	Monday	Tuesday	Wednesday	Thursday	Friday
9am-noon	Indigenous Ways of Knowing: Implications for Science	Indigenous Ways of Knowing: Implications for Science	Indigenous Ways of Knowing: Implications for Science		
9am-noon	Data Linkages	Data Linkages	Data Linkages	Data Linkages	
1:30pm-4:30pm	Indian Health Policy	Indian Health Policy	Indian Health Policy		
1:30pm-4:30pm	Cancer Control and Prevention	Cancer Control and Prevention	Cancer Control and Prevention	Cancer Control and Prevention	

Tips for Registration

*Registration should be completed on-line at www.npaihb.org/training/page/summer_training_institute/

*Registration will be closed on May 1, 2014.

*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.

*Tuition is due by May 30, 2014.

*Please note that you will not be allowed to switch classes during the training.

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