

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 13 - June 30, 2011
Portland, OR

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. From administrators to community health workers, physicians, nurses, researchers, program managers, almost anyone who works in Indian health can take advantage of this new skill-building opportunity. Because our courses emphasize research skills and program design and implementation, those professionals who seek training opportunities related to research will find relevant courses in this program. Applications from American Indian and Alaska Native health professionals are strongly encouraged, although we seek applications from other individuals who are interested in Native health issues as well.

How much does it cost?

Tuition scholarships are available for American Indian and Alaska Native trainees and Tribal Epi Center 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 listed in this brochure. A few travel scholarships are available on a first-come, first-served basis for American Indian and Alaska Native trainees. Priority will be given to students.

To apply for a travel scholarship, please select the appropriate box on the registration form. To apply for a tuition scholarship, please mark the appropriate box on the registration form and include proof of tribal enrollment or a letter of support from your tribe with your registration form. Registration can be accessed at the web address below.

For more information:

Visit www.npaihb.org/training/page/summer_research_training_institute/

Grazia Cunningham

Northwest Portland Area Indian Health Board

2121 SW Broadway, Suite 300

Portland, OR 97201

Tel: 503-416-3285 Fax: 503-228-8182

E-mail: summerinstitute@npaihb.org

Registration due by May 14, 2011



Travel and accommodations

Location

Most courses will meet at the Northwest Portland Area Indian Health Board and Oregon Health & Science University (OHSU). Additional information, including campus maps, will be sent to registered trainees prior to the beginning of the Summer Institute.

Travel to Portland

Summer Research Training Institute trainees are responsible for making 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.

Where to stay

There are many hotels in Portland that offer discounted rates to guests of OHSU. Many also offer government rates. We suggest you make reservations as early as possible as Portland area hotels fill quickly in the summer. We recommend the Marriott Residence Inn-Downtown Riverplace: (503) 552-9500.

Sponsors

The Summer Institute is funded by a Native American Research Centers for Health grant (NARCH U26IHS3000132) from the NIH/IHS and is co-sponsored by the Center for Healthy Communities, a CDC-funded Prevention Research Center (1U48DP001937-02), at Oregon Health & Science University.

About the curriculum

Courses are one week in duration and are offered either in the mornings or afternoons. You may pick and choose as many courses as interest you; just keep in mind that some of the class times may overlap. All books and course materials will be provided. Courses with fewer than three enrolled students will be cancelled. If you own a laptop, you may bring it to the training. It may be useful for checking email, internet searches, homework, etc.

Tips for registration

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

*Registration will be closed on May 14, 2011.

*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 to classes during the training.

*Tuition is due by May 27, 2011.

Schedule by week

Week one: June 13-17, 2011

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:30am-noon	Introduction to Epidemiology	Introduction to Epidemiology	Introduction to Epidemiology	Introduction to Epidemiology	Introduction to Epidemiology
8:30am-noon	Substance Abuse Epidemiology	Substance Abuse Epidemiology	Substance Abuse Epidemiology	Substance Abuse Epidemiology	Substance Abuse Epidemiology
1:30pm-5pm	Community-based Participatory Research	Community-based Participatory Research	Community-based Participatory Research	Community-based Participatory Research	Community-based Participatory Research
1:30pm-5pm	Data Management and Analysis Using STATA	Data Management and Analysis Using STATA	Data Management and Analysis Using STATA	Data Management and Analysis Using STATA	Data Management and Analysis Using STATA
1:30pm-5pm	Questionnaire Design & EpiData	Questionnaire Design & EpiData	Questionnaire Design & EpiData	Questionnaire Design & EpiData	Questionnaire Design & Epi Data

Week two: June 20-24, 2011

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:30am-noon	Epidemiology Methods	Epidemiology Methods	Epidemiology Methods	Epidemiology Methods	Epidemiology Methods
8:30am-noon	Research Design & Grant Writing	Research Design & Grant Writing	Research Design & Grant Writing	Research Design & Grant Writing	Research Design & Grant Writing
1:30pm-5pm	Introduction to Qualitative Research	Introduction to Qualitative Research	Introduction to Qualitative Research	Introduction to Qualitative Research	Introduction to Qualitative Research
1:30pm-5pm	Grant Management	Grant Management	Grant Management	Grant Management	Grant Management

Week three: June 27-30, 2011

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:30am-noon	Program Evaluation	Program Evaluation	Program Evaluation	Program Evaluation	
8:30am-noon	Human Subjects Protection	Human Subjects Protection	Human Subjects Protection	Human Subjects Protection	
1:30pm-4pm	Measuring Quality Improvement	Measuring Quality Improvement	Measuring Quality Improvement	Measuring Quality Improvement	

Course Descriptions and Schedules



Week one: June 13-17, 2011

Introduction to Epidemiology

This course focuses on basic principles of epidemiology, measures of disease frequency and association, an overview of study design (especially cross-sectional surveys, case-control, and cohort studies), and an introduction to bias, confounding and effect modification.

Time: 8:30am - noon (Monday-Friday)

Instructor: John Stull, MD, MPH

Tuition: \$300

Substance Abuse Epidemiology

This course examines opportunities for epidemiological and services research on alcohol and drug use disorders among American Indians and Alaska Natives. Classes explore the epidemiology of alcohol and drug use disorders, examine the databases available for analyses, and describe health services research opportunities. Classes discuss mortality and morbidity associated with alcohol and drug use disorders, use of participatory research methods, and community assessments of needs. Services research strategies and policy interventions are discussed. Students will be introduced to papers on key concepts and will participate in a group exercise designing research projects.

Time: 8:30pm - noon (Monday-Friday)

Instructor: Dennis McCarty, PhD and Traci Rieckmann, PhD

Tuition: \$300

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: 1:30pm - 5pm (Monday-Friday)

Instructor: Victoria Warren-Mears, PhD, RD, will facilitate guest speakers for this course.

Tuition: \$300

Data Management and Analysis Using STATA

STATA is a powerful yet easy-to-use statistical package with a menu-driven system. This course is designed for trainees who want to learn to conduct data management and analysis using STATA. We will use health-related data to teach the basics of data entry and management, producing descriptive statistics and frequency tables, by performing frequently used statistical analysis and producing graphical presentation. The class will be held in the computer lab at OHSU, Department of Public Health & Preventive Medicine, to provide hands-on experience to the trainees. An introductory level of statistical knowledge is desired, but we will review all statistical concepts covered in the class.

Time: 1:30pm - 5:00pm (Monday-Friday)

Instructor: Rochelle Fu, PhD

Tuition: \$300



Week one: June 13-17, 2011(continued)

Questionnaire Design and EpiData

Much of the data collected in epidemiologic research involves the use of questionnaires and interviews. This course will cover the design and use of questionnaires and interviews 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 second part of the course will 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 of data.

Time: 1:30pm - 5:00pm (Monday-Friday)

Instructor: William Lambert, PhD

Tuition: \$300

Week two: June 20-24, 2011

Epidemiology Methods

This course involves a more focused exploration of the design and conduct of epidemiologic studies, primarily for chronic diseases and cancer control, and will include cultural considerations in the design and implementation of these studies. This course will examine in more detail topics of importance to the design, implementation, and evaluations of observational epidemiology studies: systematic error (selection and information biases), confounding, and effect modification. Reading assignments for this course will include journal articles, as well as chapters from the assigned text.

Time: 8:30am - noon (Monday-Friday)

Instructor: John Stull, MD, MPH

Tuition: \$300

Research Design & 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-style research proposal from the abstract to the research design and methods.

Time: 8:30am - noon (Monday-Friday)

Instructor: Linda Burhansstipanov, MSPH, DrPH, CHES

Tuition: \$300

Introduction to Qualitative Research

The Qualitative Research course is an introductory course designed to develop understanding of the strategies and tools used to gather qualitative data. Course participants will discuss the ethics of and entrée into a community setting, qualitative research design, data collection, analysis, and interpretation of results. Data collection methods discussed will include focus groups, in-depth interviews, photovoice, document and media review, and assets-mapping.

Time: 1:30pm - 5pm (Monday-Friday)

Instructor: Stephanie Farquhar, PhD and Jennie Joe, PhD

Tuition: \$300



Week two: June 20-24, 2011 (continued)

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. Much of the data collected in epidemiologic research involves the use of questionnaires and interviews.

Time: 1:30pm - 5:00pm (Monday-Friday)

Instructor: Teshia Solomon, PhD

Tuition: \$300

Week three: June 27-30, 2011

Program Evaluation

This intensive, four-day 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 cancer-related 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: 8:30am - noon (Monday-Thursday)

Instructor: Mark Dignan, PhD, MPH

Tuition: \$300

Human Subjects Protection

The goal of this short 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: 8:30am - noon (Monday-Thursday)

Instructor: Gary Chiodo, DMD

Tuition: \$300



Week three: June 27-30, 2011 (continued)

Measuring Quality Improvement

This course will introduce the students to the Model for Improvement and the Chronic Care Model as applied to Indian health. Students will then learn statistical process control methods for measuring quality improvement in Indian healthcare. Topics will include using and understanding run charts, Shewart control charts and other graphical methods for displaying health data. The course is aimed at those who will be leading quality improvement efforts in clinics and hospitals and those who will be evaluating the effectiveness of quality improvement.

Time: 1:30pm - 4pm (Monday-Thursday)

Instructor: Thomas Weiser, MD, MPH and Mark Veazie, DrPH

Tuition: \$300

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