

Hosted by the Northwest Portland Area Indian Health Board
and Oregon Health & Science University



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

June 9-27, 2008
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 care and who wants to take advantage of new skill-building opportunities. 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 others who are interested in Native health issues.

How much does it cost?

Tuition is charged for each course offered and varies by course. The cost of each course is listed in this brochure. Tuition scholarships are available for American Indian and Alaska Native trainees, and Tribal Epi Center Employees. To apply for a tuition scholarship, please include proof of tribal enrollment or a letter of support from your tribe with your registration form. Tuition checks should be made payable to: Northwest Portland Area Indian Health Board (Summer Institute).

A few travel scholarships (up to \$1,000) are available on a first-come, first serve basis for American Indian and Alaska Native trainees. Priority will be given to students. To apply for a travel scholarship, please submit a complete *Travel Scholarship Application* form with your registration form.

For more information contact:

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Registration due by May 15, 2008



travel and accomodations

Location

Most courses will meet at the Northwest Portland Area Indian Health Board on the campus of Portland State University in Portland, Oregon (527 SW Hall). Additional information, including campus maps, will be sent to registered trainees prior to the beginning of the Summer Institute.

Travel to Portland

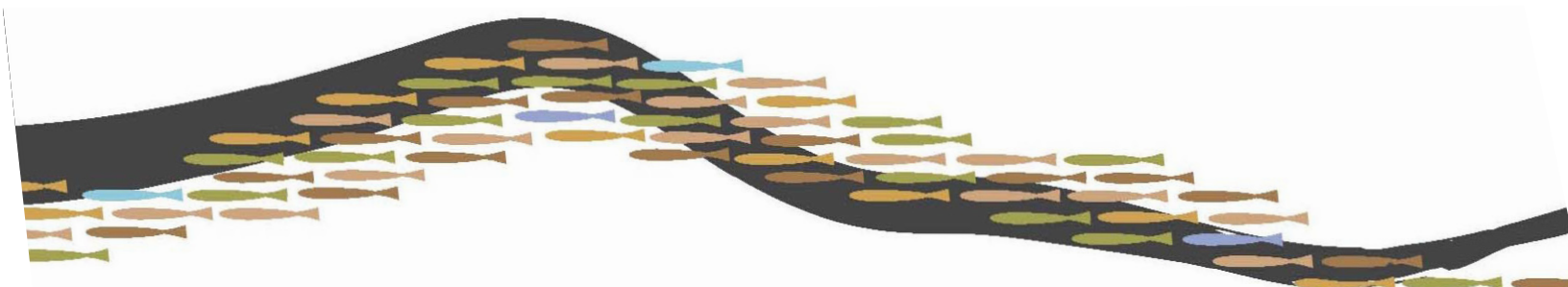
Summer Research Training Institute trainees are responsible for making travel arrangements to attend the program. Portland is easily accessible by plane, train, and automobile. Portland International Airport is approximately 15 minutes from downtown Portland and can be accessed by the light rail train ('the Max') as well as by car. The train station and bus depot are located in the middle of downtown Portland. There are several city buses with service to the Northwest Portland Area Indian Health Board; the #8 bus is the most frequent and stops within 1 block of the Board. For more information on public transportation visit: www.trimet.org

Where to stay

There are many hotels in Portland and the outlying areas, several of which 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 Residence Inn--Downtown Riverplace: (503)-552-9500.

Sponsors

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



Schedule by week

week one: June 9-13, 2008

Time	Monday	Tuesday	Wednesday	Thursday	Friday
9 am - noon	Intro. to Epidemiology	Intro. to Epidemiology	Intro. to Epidemiology	Intro. to Epidemiology	Intro. to Epidemiology
9 am - 5 pm	Reproductive & Maternal Child Health Epidemiology	Reproductive & Maternal Child Health Epidemiology	Reproductive & Maternal Child Health Epidemiology	Reproductive & Maternal Child Health Epidemiology	Reproductive & Maternal Child Health Epidemiology
9 am - noon	Substance Abuse Epidemiology	Substance Abuse Epidemiology	Substance Abuse Epidemiology	Substance Abuse Epidemiology	Substance Abuse Epidemiology
9 am - noon	Intro to GIS	Intro to GIS	Intro to GIS		
1:30 pm - 5 pm	Questionnaire Design & Data Management	Questionnaire Design & Data Management	Questionnaire Design & Data Management	Questionnaire Design & Data Management	Questionnaire Design & Data Management

week two: June 16-20, 2008

Time	Monday	Tuesday	Wednesday	Thursday	Friday
9 am - noon	Epidemiology Methods	Epidemiology Methods	Epidemiology Methods	Epidemiology Methods	Epidemiology Methods
1:30 pm - 5 pm	Cost-Benefit Analysis	Cost-Benefit Analysis	Cost-Benefit Analysis	Cost-Benefit Analysis	
1:30 pm - 5 pm	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
1:30 pm - 5 pm	Conducting Focus Groups	Conducting Focus Groups	Conducting Focus Groups		

week three: June 23-27, 2008

Time	Monday	Tuesday	Wednesday	Thursday	Friday
9 am - noon	Research Design & Grant Development	Research Design & Grant Development	Research Design & Grant Development	Research Design & Grant Development	Research Design & Grant Development
9 am - noon	Data Analysis with SAS	Data Analysis with SAS	Data Analysis with SAS	Data Analysis with SAS	
1:30 pm - 3:30 pm	Human Subjects Protection	Human Subjects Protection	Human Subjects Protection	Human Subjects Protection	
1:30 pm - 5 pm	Program Evaluation	Program Evaluation	Program Evaluation	Program Evaluation	

Course Descriptions and Schedules

week one: June 9-13, 2008

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.

Dates: June 9-13

Time: 9:00 am - noon

Instructor: John Stull, MD, MPH

Tuition: \$300

Reproductive & Maternal Child Health Epidemiology

This course will focus on basic epidemiologic principles, survey design, sampling, and questionnaire design as applied to reproductive health. The instructors will use a mix of lecture exercises, and case studies, and small group work. Students will work in small groups to develop a study proposal to be presented on the last day of the course. Instructors are Drs. Howard Goldberg and Suzanne Folger from the Centers for Disease Control, Division of Reproductive Health, plus instructors from Oregon Health & Science University.

Dates: June 9-13

Time: 9:00 am - 5: 00 pm (All day)

Tuition: \$450

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, and examine the databases available for analyses. The mortality and morbidity associated with alcohol and drug disorders is assessed, and prevention and treatment are examined. Services research strategies and policy interventions are discussed. Students will be introduced to papers on key concepts and participate in a group exercise to design research projects.

Dates: June 9-13

Time: 9:00 am - noon

Instructors: Dennis McCarty, PhD, and Katherine Riley, EdD

Tuition: \$300

Introduction to GIS

Geographic information system (GIS) software is a powerful tool for assessment, decision-making, and information sharing. GIS provides a platform for the analysis of health data in relationship to population demographics, socioeconomic factors, surrounding social and health services, and the natural environment. The course will cover basic skills of ArcGIS, a commercial and the most widely used GIS software, and simple statistical inferences for spatial data in public health.

Dates: June 9-11

Time: 9:00 am - noon

Instructor: Dongseok Choi, PhD

Tuition: \$300

Questionnaire Design and Data Management

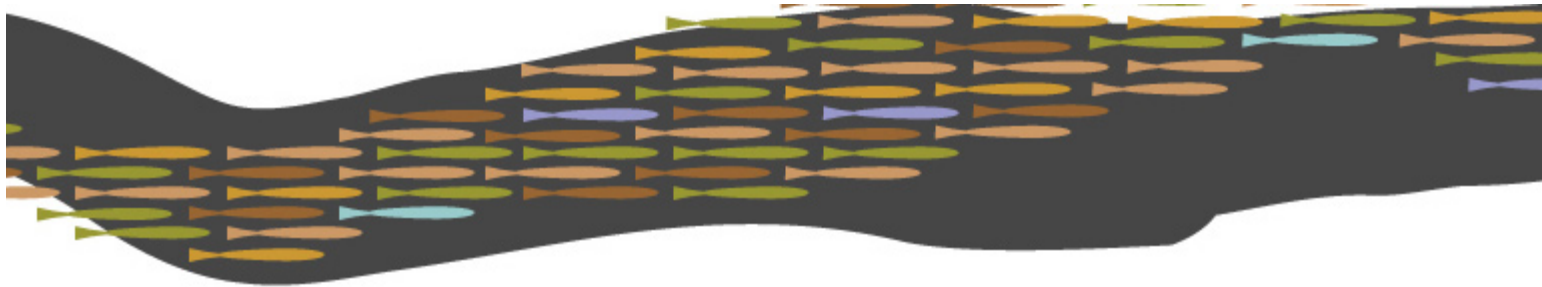
This course is designed for those engaged in developing questionnaires as a part of their ongoing or planned research activity. This session will review the strengths and limitations of questionnaires and encourage participants to apply this knowledge in improving the design of their own instruments. We will also discuss practical considerations for selecting particular survey methods and how this selection influences the nature of the questionnaire instrument used. And where possible, participants will be asked to provide drafts of their questionnaires to gain insights into how questionnaires can be developed or improved. The second part of this course will cover managing survey data using the public domain freeware, EpiData™. Students will learn how to create data entry screens based on a questionnaire, entry programming to reduce errors, and how to use some basic data analysis tools.

Dates: June 9-13

Time: 1:30 pm - 5:00

Instructors: Sally Davis, PhD, and William Lambert, PhD

Tuition: \$300



week two: June 16-20, 2008

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. We 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.

Textbook: Hennekens and Buring, Epidemiology in Medicine

Dates: June 16-20

Time: 9:00 am - noon

Instructors: John Stull, MD, MPH

Tuition: \$300

Data Management and Analysis using STATA

STATA is a powerful and yet easy to use statistical package with the 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, performing frequently used statistical analysis and producing graphical presentation. The class will be held in the computer lab to provide hands-on experience to the trainees. Some introductory level of statistical knowledge is desired but we will review all statistical concepts covered in the class. Course enrollment limited.

Dates: June 16-20

Time: 1:30 pm - 5:00 pm

Instructor: Rochelle Fu, PhD

Tuition: \$300

week two: June 16-20, 2008 (continued)

Conducting Focus Groups

This session will provide an overview of Focus Group methodology, including a discussion on the method's strengths and limitations, when it is utilized to inform quantitative research design and/or is included as an integral part of a multi-method evaluation program or questionnaire development. Participants will participate in a mock Focus Group session in order to critique and evaluate its usefulness

Dates: June 16-18

Time: 1:30 pm - 5:00 pm

Instructor: Jennie Joe, PhD

Tuition: \$150

Cost-Benefit Analysis

This course will provide an introduction to cost-benefit analysis in health programs. The course will introduce the concept of cost-effectiveness as an aid to decision-making. We will discuss standard methods of collecting information on health care costs and methods of valuing health outcomes. Upon completion of this course, trainees should have more confidence and competence in using cost-benefit studies to guide health policy and aid in the selection of treatment programs.

Dates: June 16-19

Time: 1:30 pm - 5:00 pm

Instructor: John McConnell, PhD

Tuition: \$300

Tips for Registration

- * Participants may register for as many or as few courses as desired. However, keep in mind that some of these classes are offered at the same time.
- * Class space may be limited in the computer-based learning courses like GIS, Data Analysis with SAS, and Data Management and Analysis with STATA.
- * Registration forms are due by May 15th.
- * Tuition is due by May 30th.
- * All books and course materials will be provided.
- * Courses with fewer than three enrolled students will be cancelled.

Week three: June 23-27, 2008

Research Design & Grant Development

This four-day course, designed for health professionals and students with a working knowledge of epidemiology and study design, will cover how to plan, design, and develop a NIH-style research proposal, from the abstract to the research design and methods.

Dates: June 23-27

Time: 9:00 am - noon

Instructors: Thomas M. Becker, MD, PhD, and Kathleen Etz, PhD

Tuition: \$300

Data Analysis with SAS

This course is designed for students who want to learn to conduct statistical analyses with SAS software. We will briefly introduce students to SAS programming concepts, and go over some of the more frequently used data analysis procedures. Health-related data sets will be provided for students to explore. The class will be taught in a computer lab in order to give the student hands-on experience using SAS to manage data, perform analyses and produce graphs. Some statistics background (at the introductory level) will be assumed. Knowledge of other statistical software packages (e.g. SPSS, EpiInfo/EpiData, etc.) may be helpful. Course enrollment limited.

Dates: June 23-26

Time: 9:00 am - noon

Instructor: Jodi Lapidus, PhD

Tuition: \$300

Program Evaluation

This intensive, one-week 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 their choosing and have presented the plan for critique by faculty and students.

Dates: June 23-26

Time: 1:30 pm - 5:00 pm

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 to demonstrate how to identify and remedy deficiencies; (3) reviewing the roles and responsibilities of institutional review boards, investigators, sponsors, study coordinators, and all others 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 safeguard and protect all Native subjects and communities.

Dates: June 23-26

Time: 1:30 pm - 3:30 pm

Instructor: Gary Chiodo, DMD

Tuition: \$150

Questions? Contact

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Registration forms and Travel Scholarship applications
are available for download on the website:

www.npaihb.org/summer_institute