

**The UC Berkeley School of Public Health's
Center for Infectious Disease Preparedness**

**in collaboration with
the California Department of Health Services, Division of Communicable Disease
Control
and
the UCLA Center for Public Health and Disasters**

presents its first annual intensive summer training and education program

***Core Infectious Disease Emergency Readiness
(CIDER)***

**July 26- August 10, 2004
Berkeley, California**

This first annual CIDER program will offer public health practitioners an array of educational opportunities to improve their knowledge and skills in field epidemiology, database development and management and media communication. We will also offer a series of half-day workshops which focus on a variety of infectious disease emergency readiness topics. These courses and workshops are targeted to a variety of public health department professionals, including frontline staff working on infectious disease field investigations, epidemiologists, health officers and public information officers. (See individual course descriptions for respective target audiences.)

Courses offered:

Click on course titles for course descriptions, learning objectives and information about faculty, target audiences, prerequisites, and fees.

Intensive Seminars for Public Health Practitioners

Field Epidemiology Basics (with computer lab)

2 weeks: July 26-August 6, M-F, 9am-12 noon

Relational Database Management Systems for Epidemiologists (with computer lab)

2 weeks: July 26-August 6, M-F, 9am-12 noon

Principles of Public Health Microbiology

1 week: July 26- July 30, M-F, 1:30-3:00pm

Media Communications Training for Public Health Professionals

1 day: August 10, 9am-4:30pm

**Half-Day Workshops Focusing on
Infectious Disease Emergency Readiness**

Key Microbial Threats

M, August 2, 1:30 - 4:30pm

**Public Health Infection Control: Infection Control Practices in Health Care and
Community Settings**

T, August 3, 1:30-4:30pm

Contact Tracing and Investigation

W, August 4, 1:30-4:30pm

Mass Vaccination and Post-Exposure Prophylaxis

Th, August 5, 1:30-4:30pm

Strategies for Working with "Hard-to-Reach" Populations

F, August 6, 1:30-4:30pm

Public Health Incident Command System

M, August 9, 9am-12 noon

Risk Communication

M, August 10, 1:30-4:30

[LINKS:]

Course Schedule for Overall CIDER Program

Course Offerings and Online Registration

Course Faculty

General Information (including how to register, course fees, continuing education credit, and more)

Course Registration Form

Complete Brochure in PDF format

Intensive Seminars for Public Health Practitioners

FIELD EPIDEMIOLOGY BASICS (with computer lab)

*July 26-August 6
Monday – Friday
9am-12 noon*

ANNOUNCEMENT: Participants unable to attend the entire 2-week course may choose to attend individual sessions. These stand-alone seminars are each approximately one hour in length. Continuing Education Credits are not available for these individual seminars. Please see the schedule located at <http://www.ucbcidp.org/cider/fieldepibasics.seminars.php> for topics, times, and locations. There is no fee for these seminars. Arrive 15 minutes before the start of the seminar to register.

INSTRUCTORS: Tomás Aragón, MD, DrPH, Medical Epidemiologist and Director of the UC Berkeley Center for Infectious Disease Preparedness and guest speakers from state and local health departments

COURSE DESCRIPTION: This 2-week course will cover the basics of an epidemiologic field investigation, including: concepts of communicable disease epidemiology for the prevention and control of microbial threats; surveillance and detection methods; description of findings and hypothesis generation; study design and data analysis (hypothesis testing); operational aspects of conducting a field investigation; and analysis of outbreak modules using a computer lab. The computer lab component will emphasize data cleaning, entry, analysis and interpretation.

TARGET AUDIENCES: This course is targeted to public health staff who want to learn how to enter, analyze and interpret epidemiologic data. Target audiences include public health practitioners such as communicable disease investigators, environmental health specialists, epidemiologists, health educators, health officers, laboratorians, medical epidemiologists, and public health nurses.

COURSE PREREQUISITES: 1) A basic familiarity of computers and an interest in conducting epidemiologic data analyses using computer software; and 2) basic mathematic skills, including ability to utilize fractions, ratios, and percentages

COURSE OBJECTIVES:

Upon completion of this course, participants will be able to:

1. Describe the concepts of communicable disease epidemiology for the prevention and control of microbial threats
2. Describe basic methods for the surveillance and detection of microbial threats, including bioterrorism
3. Describe descriptive epidemiology basics, field study designs and hypothesis testing, measures of association and data analysis, and threats to validity in analytic epidemiology
4. Describe the operational aspects of epidemiologic field investigations
5. Conduct basic data analysis using freely available numerical tools

CONTINUING EDUCATION CREDIT:



Continuing Medical Education (CME): This is an activity offered by the California Department of Health Services, a CMA-accredited provider. Physicians attending this course may report up to 27.5 hours of Category I credits toward the California Medical Association's Certificate in Continuing Medical Education and the American Medical Association's Physician's Recognition Award.

Nursing Continuing Education (CEU): The California Department of Health Services, Continuing Professional Education Program is an approved provider of Nursing Continuing Education, Provider Number 00584. This activity has been approved for 33 nursing contact hours. Nurses will be required to attend the entire course to receive credit.

COURSE FEE: \$25

RELATIONAL DATABASE MANAGEMENT SYSTEMS FOR EPIDEMIOLOGISTS July 26-August 6, Monday – Friday (with computer lab) 9am-12 noon

INSTRUCTOR: Wayne Enanoria, PhD, Epidemiologist with the UC Berkeley Center for Infectious Disease Preparedness

COURSE DESCRIPTION: Public health activities often involve the collection of data on individuals with specific conditions through surveillance, outbreak investigations, and/or research. These investigations can become extremely complex, requiring a significant amount of data to be collected. Therefore, in order to be able to retrieve this data efficiently and in a timely manner, it is critical for public health staff to have the skills to create a solid data management system.

The purpose of this course is to provide participants with a gentle introduction to creating a relational database system for managing data collected in epidemiologic projects. The focus will be on key concepts and practical application. General concepts that are independent of any one particular software package used to create relational databases will be covered so that these concepts can be applied using any package an individual may choose. Hands-on computer exercises will emphasize the application of these concepts to practical examples that one may encounter in epidemiologic research.

TARGET AUDIENCES: This course is intended for epidemiologists and data analysts who want an introduction to relational database management of epidemiologic data

COURSE PREREQUISITE: Familiarity and capability to function within a Windows-based operating system on a personal computer

COURSE OBJECTIVES:

Upon completion of this course, participants will be able to:

1. Create a new relational database including the design of tables
2. Apply the concepts of the relational model in this design
3. Query a database across multiple tables and gather data into a form that can be analyzed by statistical software (e.g., SAS, Stata, or R)
4. Import data directly into a statistical software package (e.g., R) from a relational database using Open Database Connectivity (ODBC) capabilities

CONTINUING EDUCATION CREDIT:



Continuing Medical Education (CME): This is an activity offered by the California Department of Health Services, a CMA-accredited provider. Physicians attending this course may report up to 27.5 hours of Category I credits toward the California Medical Association's Certificate in Continuing Medical Education and the American Medical Association's Physician's Recognition Award.

Nursing Continuing Education (CEU): The California Department of Health Services, Continuing Professional Education Program is an approved provider of Nursing Continuing Education, Provider Number 00584. This activity has been approved for 33 nursing contact hours. Nurses will be required to attend the entire course to receive credit.

COURSE FEE: \$25

PRINCIPLES OF PUBLIC HEALTH MICROBIOLOGY

July 26-August 6
Monday – Friday
1:30 – 3:00pm

INSTRUCTOR: Jane Wong, M.S., Microbiologist with the UC Berkeley Center for Infectious Disease Preparedness

COURSE DESCRIPTION: The microbiology laboratory provides support to health care professionals by providing timely data on infectious diseases that can be used for patient management and disease control. This course will provide an overview of basic public health microbiology. In addition, we will discuss selected infectious disease agents, food and water testing, and tests used for epidemiological investigations such as pulsed field gel electrophoresis.

TARGET AUDIENCES: This course is intended for communicable disease investigators, epidemiologists, health educators, health officers, physicians, public health nurses, and others who want to learn or review the principles behind the tests conducted in a microbiology laboratory

COURSE PREREQUISITES: None

COURSE OBJECTIVES:

Upon completion of this course, participants will be able to:

1. Describe the process by which a microorganism is isolated in the laboratory
2. List two methods that are used to identify microorganisms isolated in the laboratory
3. List several microorganisms and describe at least two tests that are used to identify them
4. Describe the tests that are used for detection of indicator organisms in drinking water
5. Explain the advantages and disadvantages of serological testing as compared to isolation and characterization of the infectious agent
6. Explain the advantages and disadvantages of PCR and PFGE testing

CONTINUING EDUCATION CREDIT:



Continuing Medical Education (CME): This is an activity offered by the California Department of Health Services, a CMA-accredited provider. Physicians attending this course may report up to 7.5 hours of Category I credits toward the California Medical Association's Certificate in Continuing Medical Education and the American Medical Association's Physician's Recognition Award.

Nursing Continuing Education (CEU): The California Department of Health Services, Continuing Professional Education Program is an approved provider of Nursing Continuing Education, Provider Number 00584. This activity has been approved for 9 nursing contact hours. Nurses will be required to attend the entire course to receive credit.

COURSE FEE: \$25

MEDIA COMMUNICATIONS FOR PUBLIC HEALTH PROFESSIONALS

*Tuesday, August 10
9am-4:30pm*

INSTRUCTOR: Bruce B. Dan, MD, a specialist in infectious diseases and medical communications

COURSE DESCRIPTION: Whether medical information first emanates from medical journals, scientific meetings, or health bulletins, it is first filtered through and disseminated by the mass media. The public naturally wants to hear from medical experts during times of uncertainty, and indeed, their health may well depend upon the immediate advice of medical authorities. Of late, the public has had to absorb, understand, and act on an enormous amount of complicated and confusing health information including anthrax, smallpox, West Nile virus, SARS, and monkeypox.

Understanding how the media provide information to their audiences, and knowing how to deliver a message can determine whether or not the public takes effective action. While health officials must always be adept at communicating health information, they must be unerring when the situation has the potential of national epidemic. The reality is that if public health officials want to improve public health, they must be as comfortable and skilled at appearing in the media as they are in taking a patient history, using a stethoscope, or filling out a prescription. Health information is of little use unless it can be communicated effectively and clearly to those who will benefit from it most -- the public.

This course will provide participants with the fundamental principles and techniques to deal with a health problem under the spotlight of the news media. Topics covered include: understanding how the media works; what makes a successful interview; key messages and how to deliver them; establishing your authority and control; how to handle difficult questions; new conferences and crisis communications; institutional policies and working with media relations; and interactive on-camera practice.

TARGET AUDIENCES: This course is for public health professionals that interact with the media, including public health physicians, health officers, public information officers, and others

COURSE PREREQUISITES: None

COURSE OBJECTIVES:

Upon completion of this course, participants will be able to:

1. Describe the general principles regarding how the media works
2. Describe the components of a successful interview with the media
3. Develop and deliver key messages to the public through the media
4. Establish their authority and control when giving media interviews
5. Apply concepts regarding how to handle difficult questions

CONTINUING EDUCATION CREDIT:



Continuing Medical Education (CME): This is an activity offered by the California Department of Health Services, a CMA-accredited provider. Physicians attending this course may report up to 6.0 hours of Category I credits toward the California Medical Association's Certificate in Continuing Medical Education and the American Medical Association's Physician's Recognition Award.

Nursing Continuing Education (CEU): The California Department of Health Services, Continuing Professional Education Program is an approved provider of Nursing Continuing Education, Provider Number 00584. This activity has been approved for 7.2 nursing contact hours. Nurses will be required to attend the entire day to receive credit.

COURSE FEE: None

Half-Day Workshops Focusing on Infectious Disease Emergency Readiness

KEY MICROBIAL THREATS

*Monday, August 2
1:30-4:30pm*

INSTRUCTORS: Debra Gilliss, MD, MPH, a medical epidemiologist in the Infectious Diseases Branch of the California Department of Health Services; Erica Pan, MD, MPH, Director of the Bioterrorism and Infectious Disease Emergencies Unit and a medical epidemiologist at the San Francisco Department of Public Health (SFDPH); Jon Rosenberg

COURSE DESCRIPTION: This half-day workshop will cover the epidemiology, prevention, and control of current and emerging microbial threats that have the potential to become public health emergencies. The workshop will cover diseases such as anthrax, smallpox, plague, viral hemorrhagic fevers, botulism, biotoxins (e.g., ricin), severe acute respiratory syndrome (SARS), and pandemic influenza.

TARGET AUDIENCES: Physicians, health care administrators, emergency medical specialists, and public health practitioners including communicable disease investigators, environmental specialists, epidemiologists, health officers, laboratorians, medical epidemiologists and public health nurses

WORKSHOP PREREQUISITES: None

WORKSHOP OBJECTIVES:

Upon completion of this course, participants will be able to:

1. Describe why the leading microbial threats have the potential to result in public health emergencies
2. Describe essential surveillance and detection strategies for the leading microbial threats
3. Describe essential investigation and response strategies for the leading microbial threats

CONTINUING EDUCATION CREDIT:



Continuing Medical Education (CME): This is an activity offered by the California Department of Health Services, a CMA-accredited provider. Physicians attending this course may report up to 3.0 hours of Category I credits toward the California Medical Association's Certificate in Continuing Medical Education and the American Medical Association's Physician's Recognition Award.

Nursing Continuing Education (CEU): The California Department of Health Services, Continuing Professional Education Program is an approved provider of Nursing Continuing Education, Provider Number 00584. This activity has been approved for 3.6 nursing contact hours. Nurses will be required to attend the entire workshop to receive credit.

COURSE FEE: None

**PUBLIC HEALTH INFECTION CONTROL:
INFECTION CONTROL PRACTICES IN HEALTH CARE
AND COMMUNITY SETTINGS**

*Tuesday, August 3
1:30-4:30pm*

INSTRUCTORS: Christine Cahill, Jon Rosenberg, and Celia Woodfill from the California Department of Health Services, Division of Communicable Disease Control

COURSE DESCRIPTION: This half-day workshop will cover the principles and practices of infection control beginning with an overview of the rationale for infection control precautions, including routes of transmission, fundamentals of isolation precautions (hand washing and gloving, patient placement, patient transport, personal protective equipment) and transmission-based precautions (contact, droplet and airborne).

We will discuss the implementation of infection control at both the health care facility and community levels in the context of communicable microbial threats such as smallpox, plague, viral hemorrhagic fevers, severe acute respiratory syndrome (SARS), and pandemic influenza.

TARGET AUDIENCES: Physicians, infection control practitioners, health care administrators, emergency medical specialists, and public health practitioners including communicable disease investigators, environmental health specialists, epidemiologists, health educators, health officers, laboratorians, medical epidemiologists and public health nurses

WORKSHOP PREREQUISITES: None

WORKSHOP OBJECTIVES:

Upon completion of this course, participants will be able to:

1. Describe the types of infection control practices and the rationale for them
2. Describe the fundamentals of infection control at the health care facility and community levels
3. Describe how infection control practices will differ at the health care facility and community levels

CONTINUING EDUCATION CREDIT:



Continuing Medical Education (CME): This is an activity offered by the California Department of Health Services, a CMA-accredited provider. Physicians attending this course may report up to 3.0 hours of Category I credits toward the California Medical Association's Certificate in Continuing Medical Education and the American Medical Association's Physician's Recognition Award.

Nursing Continuing Education (CEU): The California Department of Health Services, Continuing Professional Education Program is an approved provider of Nursing Continuing Education, Provider Number 00584. This activity has been approved for 3.6 nursing contact hours. Nurses will be required to attend the entire workshop to receive credit.

COURSE FEE: None

CONTACT TRACING AND INVESTIGATION

Wednesday, August 4
1:30-4:30pm

INSTRUCTORS: Anne Cass, MPH, Communicable Disease Specialist II; Stacy Goldsby, BA, Bay Area Field Services Manager, California Department of Health Services STD Control Branch; Michael Joseph, BA, Consulting CD Representative; Lisa Pascopella, PhD, MPH, Assistant Section Chief, Surveillance and Epidemiology Section, Tuberculosis Control Branch; and Michael Samuel

COURSE DESCRIPTION: This half-day workshop will cover the theory and describe the skills needed to effectively conduct contact tracing and investigation activities as part of a communicable disease investigation. Faculty will present lessons learned from previous field investigations in order to provide a practical approach to improving investigations.

TARGET AUDIENCES: Communicable disease investigators, epidemiologists, health educators, public health nurses and other public health department staff who participate in communicable disease investigations

WORKSHOP PREREQUISITES: None

WORKSHOP OBJECTIVES:

Upon completion of this course, participants will be able to:

1. Describe the goals of a contact investigation
2. Describe the situations in which a contact investigation should be done
3. Describe the steps, methods and tools used in a contact investigation
4. Describe why it is important to evaluate contact investigations
5. Describe what potential control measures could be implemented following a contact investigation

CONTINUING EDUCATION CREDIT:



Continuing Medical Education (CME): This is an activity offered by the California Department of Health Services, a CMA-accredited provider. Physicians attending this course may report up to 3.0 hours of Category I credits toward the California Medical Association's Certificate in Continuing Medical Education and the American Medical Association's Physician's Recognition Award.

Nursing Continuing Education (CEU): The California Department of Health Services, Continuing Professional Education Program is an approved provider of Nursing Continuing Education, Provider Number 00584. This activity has been approved for 3.6 nursing contact hours. Nurses will be required to attend the entire workshop to receive credit.

COURSE FEE: None

MASS VACCINATION AND POST-EXPOSURE PROPHYLAXIS

Thursday, August 5
1:30-4:30pm

INSTRUCTORS: Sandra Jo Hammer; Janice K. Louie, MD, MPH, a Medical Officer with the Immunization Branch of the California Department of Health Services; Christian Sandrock, MD

COURSE DESCRIPTION: This half-day workshop will cover the principles and practices of planning, preparing and implementing population-level preventive measure such as a mass vaccination clinic and mass post-exposure drug prophylaxis after a large population exposure to a microbial threat agent. Specifically, the workshop will focus on response to exposures to pandemic influenza, smallpox virus (*variola major*), and anthrax spores (*bacillus anthracis*).

TARGET AUDIENCES: Physicians, pharmacists, health care administrators, emergency medical specialists and public health practitioners including communicable disease investigators, environmental health specialists, epidemiologists, health educators, health officers, laboratorians, medical epidemiologists and public health nurses

WORKSHOP PREREQUISITES: None

WORKSHOP OBJECTIVES:

Upon completion of this course, participants will be able to:

1. Describe the principles of mass versus targeted vaccination
2. Describe how the major vaccine preventable disease threats (smallpox and pandemic influenza) are similar and different in terms of outbreak response
3. Describe the principles and challenges of mass prophylaxis including stockpiling and monitoring for side effects and resistance

CONTINUING EDUCATION CREDIT:



Continuing Medical Education (CME): This is an activity offered by the California Department of Health Services, a CMA-accredited provider. Physicians attending this course may report up to 3.0 hours of Category I credits toward the California Medical Association's Certificate in Continuing Medical Education and the American Medical Association's Physician's Recognition Award.

Nursing Continuing Education (CEU): The California Department of Health Services, Continuing Professional Education Program is an approved provider of Nursing Continuing Education, Provider Number 00584. This activity has been approved for 3.6 nursing contact hours. Nurses will be required to attend the entire workshop to receive credit.

COURSE FEE: None

STRATEGIES FOR WORKING WITH "HARD-TO-REACH POPULATIONS"

Friday, August 6
1:30-4:30pm

INSTRUCTOR: Ana-Marie Jones, Executive Director of Alameda County's Collaborating Agencies Responding to Disasters (CARE)

COURSE DESCRIPTION: Our increasingly diverse and multi-cultural society provides special challenges to public health workers who want and need to reach populations who are traditionally "hard-to-reach." These populations include: recent immigrants who don't know how the local health system works; non-English speakers; racial or ethnic groups who historically have distrust for health departments and government; homeless individuals and families; and others who have physical and/or developmental disabilities. In this half-day workshop, participants will explore their own assumptions and attitudes about working with populations that are considered "hard-to-reach." Small group exercises will allow participants to explore tools and strategies to utilize when working with these populations.

TARGET AUDIENCES: Communicable disease investigators, epidemiologists, health educators, public health nurses and other public health department staff who conduct communicable disease field investigations

WORKSHOP PREREQUISITES: None

WORKSHOP OBJECTIVES:

Upon completion of this course, participants will be able to:

1. Describe at least three reasons why "hard-to-reach" and special needs populations may pose barriers to the outreach efforts of public health department staff
2. Describe at least two ways that public health workers may contribute to barriers experienced when working with or accessing "hard-to-reach populations"
3. Describe at least three strategies that can be utilized when working with "hard-to-reach populations"
4. describe at least two ways the health of the overall population is threatened when "hard-to-reach" communities are not included in public health programs and initiatives

CONTINUING EDUCATION CREDIT:



Continuing Medical Education (CME): This is an activity offered by the California Department of Health Services, a CMA-accredited provider. Physicians attending this course may report up to 2.75 hours of Category I credits toward the California Medical Association's Certificate in Continuing Medical Education and the American Medical Association's Physician's Recognition Award.

Nursing Continuing Education (CEU): The California Department of Health Services, Continuing Professional Education Program is an approved provider of Nursing Continuing Education, Provider Number 00584. This activity has been approved for 3.3 nursing contact hours. Nurses will be required to attend the entire workshop to receive credit.

COURSE FEE: None

PUBLIC HEALTH INCIDENT COMMAND SYSTEM

*Monday, August 9
9:00am-12 noon*

INSTRUCTOR: Sonja Ingmanson, MPH, Project Coordinator and Staff Research Associate with the UCLA Center for Public Health and Disasters

COURSE DESCRIPTION: This half-day workshop will present the components of the public health Incident Command System (ICS). The session will focus on how public health department staff can incorporate ICS into their own emergency response plans and concurrently ensure emergency response coordination with other agencies. Participants will be encouraged to practice ICS concepts in an interactive scenario following the presentation. The workshop goal is to increase the awareness of public health department staff of their roles and responsibilities in responding to natural, chemical, radiological and biological hazards within the Standardized Emergency Management System (SEMS) and the public health ICS.

TARGET AUDIENCES: Local and state public health department staff

WORKSHOP PREREQUISITES: None

WORKSHOP OBJECTIVES:

Upon completion of this course, participants will be able to:

1. Define the legal responsibilities of the health department in a public health emergency
2. List and define the roles of the functional units of the ICS system
3. Describe the role of the public health department in relation to other agencies
4. Define the difference between risk, hazards and disaster
5. Describe the public health significance of natural hazards and man-made terrorism events
6. List three strategies that public health professionals can use to prevent, detect, and intervene in bioterrorism events in order to prevent morbidity and mortality in the population
7. Describe their potential roles in a public health emergency

CONTINUING EDUCATION CREDIT:



Continuing Medical Education (CME): This is an activity offered by the California Department of Health Services, a CMA-accredited provider. Physicians attending this course may report up to 2.75 hours of Category I credits toward the California Medical Association's Certificate in Continuing Medical Education and the American Medical Association's Physician's Recognition Award.

Nursing Continuing Education (CEU): The California Department of Health Services, Continuing Professional Education Program is an approved provider of Nursing Continuing Education, Provider Number 00584. This activity has been approved for 3.3 nursing contact hours. Nurses will be required to attend the entire workshop to receive credit.

COURSE FEE: None

RISK COMMUNICATION

Monday, August 9
1:30-4:30pm

INSTRUCTOR: Kim Harrison, MPH, Project Coordinator and Staff Research Associate with the UCLA Center for Public Health and Disasters

COURSE DESCRIPTION: This half-day workshop will provide an overview of the specific elements of successful risk communication and the associated underlying theories. Emphasis will be placed on how to develop a communication plan to ensure successful communication with the public during an emergency. Emergency response roles will be described and clarified for the health department and public information officer. Suggestions on how to address the media will be accompanied by an opportunity for participants to practice verbal communication methods for media releases.

TARGET AUDIENCES: Local and state public health department staff

WORKSHOP PREREQUISITES: None

WORKSHOP OBJECTIVES:

Upon completion of this course, participants will be able to:

1. Describe the key concepts of successful risk communication practices
2. Describe the critical role of the Public Information Officer's role during a public health emergency
3. Develop a communication plan to ensure successful communication with the public during a public health emergency

CONTINUING EDUCATION CREDIT:



Continuing Medical Education (CME): This is an activity offered by the California Department of Health Services, a CMA-accredited provider. Physicians attending this course may report up to 2.75 hours of Category I credits toward the California Medical Association's Certificate in Continuing Medical Education and the American Medical Association's Physician's Recognition Award.

Nursing Continuing Education (CEU): The California Department of Health Services, Continuing Professional Education Program is an approved provider of Nursing Continuing Education, Provider Number 00584. This activity has been approved for 3.3 nursing contact hours. Nurses will be required to attend the entire workshop to receive credit.

COURSE FEE: None

[COURSE FACULTY LINK]

Course Faculty

Tomás Aragón, MD, DrPH, is Executive Director and Medical Epidemiologist at the UC Berkeley Center for Infectious Disease Preparedness. Before coming to the UC Berkeley School of Public Health, Dr. Aragón worked for seven years as director of Community Health Epidemiology and Disease Control at the San Francisco Department of Public Health (SFDPH), and as Deputy County Health Officer for the City and County of San Francisco. At SFDPH, he directed communicable disease control and prevention, bioterrorism preparedness and response planning, and the epidemiologic and effectiveness research unit. Dr. Aragón's education and training include UC Berkeley (BA Molecular Biology, DrPH Epidemiology), Harvard Medical School (MD, MPH), and UC San Francisco (Internal Medicine, Clinical Infectious Diseases, and AIDS epidemiology fellowship). He maintains a personal web site at <http://www.medepi.net/aragon/>.

Christine Cahill

Anne Cass, MPH, is a Communicable Disease Specialist with the California Department of Health Services Tuberculosis (TB) Control Branch. She has 15 years of experience working in the field of communicable disease control. Anne's current responsibilities include providing consultation and technical assistance to 5 local TB control programs in Southern California. Anne also acts as the Lead Program Liaison for the Tuberculosis Indicators Project (TIP), a project in which local TB programs and the State TB Control Branch work together to use data to improve program performance. Before working in TB control, Anne worked in Sexually Transmitted Disease Control for 4 years as a Communicable Disease Investigator. In that capacity, she performed disease control activities including field and contact investigations, surveillance, and patient and provider education. Anne earned her MPH from San Diego State University with an emphasis in Health Promotion.

Sara H. Cody, MD, is the Communicable Disease Control Officer/Assistant Health Officer for the Santa Clara County Public Health Department. Programs under Disease Prevention and Control include STD Prevention and Control, Hepatitis C Prevention and Control, as well as Surveillance and Investigation of all reportable diseases except tuberculosis. Prior to this, she worked for the federal Centers for Disease Control and Prevention as an Epidemic Intelligence Service Officer. As an EIS officer, she was assigned to Division of Communicable Disease Control at the State Department of Health Services in Berkeley, California. She completed internal medicine residency at Stanford University Hospital, and medical school at Yale University.

Bruce B. Dan, MD, is a specialist in infectious diseases and medical communications. He is President of MedNet Communications, Executive Director and Managing Editor of NBC/GE Healthcare's *The Patient Channel*, Adjunct Associate Professor of Preventive Medicine at the Vanderbilt University School of Medicine, and Courtesy Associate Professor of Internal Medicine at the University of Florida College of Medicine. Dr. Dan was the Senior Editor of the *Journal of the American Medical Association* and Director of the AMA's Department of Scientific and Clinical Affairs. He was the Executive Editor and Anchor for *Medical News Network*, Director of Medical Affairs for the Center for Bio-Medical Communication, Medical Director and Chief Medical Officer for Medcast Networks, and Senior Medical Consultant for WebMD.

Dr. Dan was the Medical Editor and on-air correspondent for ABC News, Chicago and was the founding Medical Editor and Anchor for *American Medical Television* on CNBC. He created the *JAMA Report*, the AMA's weekly video news release, which is the most watched news segment in television. Dr. Dan was Medical Correspondent and Resident Physician for the award winning PBS programs *Newton's Apple* and *HealthWeek*, as well as the creator and anchor for *Medical News Report*, an international news program for physicians. His *Doctor's Corner* aired nationwide on National Public Radio, and he can be seen daily on *The Patient Channel*.

Dr. Dan received his MD degree from Vanderbilt University Medical School with an internship and residency in internal medicine; later completing postdoctoral fellowships in infectious diseases at Vanderbilt University Medical Center and in computerized medicine at Texas Southwestern Medical Center in Dallas. He was a member of the U.S. Epidemic Intelligence Service at the Centers for Disease Control and Prevention and Deputy Chief of the CDC's Toxic Shock Syndrome Task Force.

Wayne Enanoria, PhD, MPH, is the Public Health Epidemiologist at the UC Berkeley Center for Infectious Disease Preparedness. His primary research interest is the epidemiology of infectious diseases. Dr. Enanoria's previous work experiences include the Tuberculosis Control Section at the San Francisco Department of Public Health (SFDPH), the Reproductive Epidemiology Section, and the Office of AIDS at the California State Health Department. More recently, he has worked in Community Health Epidemiology and Disease Control at the SFDPH conducting communicable disease outbreak investigations, disease surveillance and epidemiologic research.

Curtis L. Fritz, DVM, MPVM, PhD, is a native Californian and, despite spending the first 22 years of his life in the Los Angeles Basin, is still a fairly rational and decent fellow. He received his Bachelor's degree from Whittier College before relocating to Davis to add another dozen letters behind his name. After completing his veterinary medicine education at UC Davis, he lingered around for another five years doing Masters and Doctoral work in epidemiology and preventive medicine. With 28 consecutive years of sitting in the classroom to his credit, Dr. Fritz finally stepped into the real world of the gainfully employed when he accepted a position with the Epidemic Intelligence Service at the Centers for Disease Control and Prevention. Assigned to the Division of Vector-Borne Infectious Disease in Fort Collins, Colorado, Dr. Fritz investigated outbreaks of Lyme disease in California, plague in India, tularemia in South Dakota, and dengue in Micronesia during his two-year assignment. Aching to return to the Golden State, in 1996 Dr. Fritz took a position as epidemiologist in the Vector-Borne Disease Section of the California Department of Health Services. Dr. Fritz provides epidemiologic support for the Department's tick-, mosquito-, and rodent-borne surveillance and control programs, as well as to the Infectious Diseases Branch in general. He is a recognized statewide authority on hantavirus cardiopulmonary syndrome and tick-borne relapsing fever. When he is not investigating disease outbreaks or arguing with Microsoft Word, he seeks physical diversion and psychological release in training for and competing in triathlons. He is member of the Davis Mad Cows Triathlon Team and was ranked "All American" by the US Triathlon Federation in 2003.

Debra Gilliss, MD, MPH, is a medical epidemiologist in the Infectious Diseases Branch of the California Department of Health Services (CDHS). Dr. Gilliss has worked as the Bioterrorism Epidemiology Section chief and co-lead for epidemiology and surveillance activities for the CDC funded bioterrorism preparedness program. She has experience in outbreak investigations, drills and in emergency response for infectious disease, chemical and

radiological incidents. Prior to obtaining a position in CDHS, Dr. Gilliss completed a preventive medicine residency in the San Francisco Department of Public Health.

Stacy Goldsby, BA, is the Bay Area Field Services Manager with the California Department of Health Services STD Control Branch where she supervises a team of Disease Intervention Specialists (DIS) in the Sexually Transmitted Disease Units of Alameda and Santa Clara counties. She also serves as the liaison for the surveillance and case management activities of DIS units in the 9 Bay Area counties of Alameda, Berkeley, Contra Costa, Marin, Napa, San Mateo, Santa Clara, Solano, and Sonoma. Before joining the branch in 2002, Stacy worked as a DIS for 15 years in San Mateo County's Disease Control and Prevention Unit. She specializes in case and contact investigations of sexually transmitted diseases, tuberculosis, food borne pathogens, and other communicable diseases.

Sandra Jo Hammer

Kim Harrison, MPH, is a Project Coordinator and Staff Research Associate with the UCLA Center for Public Health and Disasters (<http://www.cphd.ucla.edu>). Her main project with the Center is managing a CDC-funded project to determine the public's knowledge, attitudes and beliefs surrounding terrorism and risk. Ms. Harrison is also responsible for coordinating workshops on a variety of topics for public health departments throughout California and Nevada. Ms. Harrison recently co-authored an educational manual on preparing and planning disasters for Head Start administrators. Prior to her work with the UCLA Center, she worked for Santa Barbara County Public Health Department's Emergency Medical Services Department and a host of other governmental and non-governmental organizations.

Sandra Huang, MD, is the Director of the Communicable Disease Control Unit at the San Francisco Department of Public Health, where she supervises surveillance, disease control, and epidemiologic response activities. Before joining the San Francisco Department of Public Health, she was the Chief of the Bioterrorism Epidemiology Section of the Infectious Diseases Branch at the California Department of Health Services. Dr. Huang was an Epidemic Intelligence Service Officer at the Centers for Disease Control in Atlanta, GA, where she provided epidemiologic assistance to health departments in the U.S., Canada, Dominican Republic, Guatemala, and Pakistan. She is board-certified in Internal Medicine and received her training at the University of California, San Francisco, where she is also a member of the clinical faculty.

Sonja Ingmanson, MPH, is a Project Coordinator and Staff Research Associate with the UCLA Center for Public Health and Disasters (<http://www.cphd.ucla.edu>). Her responsibilities include developing, coordinating and conducting a host of workshops on disaster-related topics. Ms. Ingmanson's previous work experience includes developing a bioterrorism curriculum manual for San Diego County Public Health Department and numerous research projects for the Institute for Public Health associated with San Diego State University.

Âna-Marie Jones is currently the Executive Director of Collaborating Agencies Responding to Disasters (CARD) (<http://www.FirstVictims.org>), located in Alameda County, California. CARD coordinates, trains and supports community service organizations in disaster preparedness, response and recovery activities. Ms. Jones also serves on several emergency preparedness and response venues, including the Alameda County Bio-terrorism Planning Project, the Metropolitan Medical Response System (a terrorism response planning program for the City of Oakland), the Alameda County Operational Area Council, the San Leandro Disaster Council, the City of Oakland's Emergency Management Board, various emergency services

associations, and the Statewide Emergency Volunteerism Advisory Group (SEVAG). Before joining CARD in April 2000, Ms. Jones worked for the California Governor's Office of Emergency Services Coastal Region on projects supporting community organizations and people with special needs. She was also the acting Executive Director of the Northern California Disaster Preparedness Network, a 5-year funding initiative dedicated to creating emergency preparedness and response resources for vulnerable and special needs communities.

Michael Joseph, BA, is a Consulting Communicable Disease Representative with California Department of Health Services Tuberculosis (TB) Control Branch. He has 14 years of experience in communicable disease control. His current responsibilities include providing consultation and assistance to local TB control programs. He has co-developed and facilitated TB trainings throughout California and nationally in the area of conducting patient interviews and contact investigations and has served as faculty for the Francis J. Curry National TB Center for three years. He has extensive experience conducting outbreak investigations in a variety of settings. Before coming to TB control, Michael worked for the San Francisco Department of Public Health Sexually Transmitted Disease Control Program for six years as a Public Health Investigator. In that capacity, he performed disease control activities including field and contact investigations, surveillance, and patient and provider education.

Amy Khan, MD, MPH, is a medical epidemiologist from the Centers for Disease Control and Prevention who is currently assigned to the Nevada State Health Division. Dr. Khan's principal activities are to assist the State of Nevada in the development of its public health infrastructure, specifically helping to enhance epidemiology and disease surveillance capacities, and strengthen its readiness in the event of a public health emergency. Dr. Khan holds her Medical Doctorate from Wayne State University School of Medicine and received her Masters of Public Health from Johns Hopkins Bloomberg School of Public Health. She is Board Certified in Internal Medicine as well as Preventive Medicine.

Brian Labus, MPH, received a Bachelor of Science degree in biology from Purdue University, and Masters of Public Health degree in infectious diseases from the School of Public Health at the University of California, Berkeley. He is currently a senior epidemiologist and epidemiology informatics specialist with the Clark County Health District in Las Vegas, NV. He is primarily responsible for overseeing surveillance of communicable diseases, including outbreak investigation and bioterrorism response, as well as information systems development and management.

Janice K. Louie, MD, MPH, is a medical officer with the Immunization Branch at the California Department of Health Services (CDHS). Her primary areas of interest include surveillance and response planning for influenza, pandemic influenza and smallpox. Before coming to CDHS, Dr. Louie worked for the CDC Emerging Infections Program on surveillance for SARS, severe unexplained pneumonia and Creutzfeldt-Jakob Disease. Her previous training includes completion of a Preventive Medicine Residency at UC Berkeley-UC San Francisco and an adult Infectious Disease fellowship at UC San Francisco, where her research focus was on the prevention and management of HIV in developing countries.

Janet Mohle-Boetani, MD, MPH, received her MD from Stanford Medical School, completed an internal medicine residency at Stanford Hospital and then completed the Epidemic Intelligence Service training at the Centers for Disease Control and Prevention in Atlanta. She received her MPH from UC Berkeley and is board certified in public health and preventive medicine. For the past 14 years she has worked as a medical epidemiologist: at the CDC, in Santa Clara County, and for the California Department of Health Services. For the past 7

years she has been in the Infectious Diseases Branch of CDHS where she regularly conducts or supervises foodborne outbreak investigations.

Erica Pan, MD, MPH, is Director of the Bioterrorism and Infectious Disease Emergencies Unit and a medical epidemiologist at the San Francisco Department of Public Health (SFDPH). She is also an Assistant Clinical Professor in the Department of Pediatrics, Division of Pediatric Infectious Diseases at UC San Francisco. Before her current position, Dr. Pan worked for the SFDPH Communicable Disease Control Unit on outbreak investigations, field team planning, epidemiology and surveillance, disease control protocol development and training. Her previous training includes completion of a Pediatric residency and Pediatric Infectious Disease fellowship at UC San Francisco.

Lisa Pascopella, PhD, MPH, is the Assistant Section Chief of the Surveillance and Epidemiology Section of the California Department of Health Services Tuberculosis Control Branch. Her research training is in epidemiology and molecular genetics of pathogens. She supervises the work of epidemiologists, project coordinators, student volunteers, and project specialists. Current work is focused on using epidemiologic data to improve the practice of tuberculosis control in the state of California.

Mark Riddle, MD, MPH, TM, earned his doctoral degree in medicine at Tulane University in New Orleans, Louisiana where during the same time he also completed his Masters' in Public Health and Tropical Medicine. He spent the following 6 ½ years in the U.S. Navy training to become a board certified physician specializing in Preventive Medicine and Public Health. During his residency he also gained acceptance to the Doctorate in Public Health (DrPH) program at the Uniformed Services University of Public Health Sciences in Bethesda, Maryland where is currently a candidate and is working to complete a dissertation on the topic of, An economic evaluation for the acquisition of a travelers' diarrhea vaccine for deployed U.S. Military forces and other travelers overseas. His last assignment with the military was in the Enteric Diseases Program at the Naval Medical Research Center in Silver Spring, Maryland where he worked on developing clinical trials of candidate vaccines and field studies in military and pediatric populations in Turkey and Egypt. He began his most recent position as the Director of the Epi Center at Washoe County District Health Department in January 2004, where he has been working to enhance epidemiological capacity and public health emergency preparedness at the local public health level.

Jon Rosenberg

Christian Sandrock, MD

Michael Samuel

Jane Wong, MS, is the Public Health Microbiologist with the UC Berkeley Center for Infectious Disease Preparedness. In December, 2002, Ms. Wong retired from the State of California Department of Health Services Microbial Diseases Laboratory after 32 years of service. In her last 13 years there, she served as supervisor of the Special Pathogens unit. Her laboratory worked closely with the FBI on various bioterrorism issues, including the testing for *Bacillus anthracis* in environmental specimens during the fall of 2001. She has authored or co-authored over 25 papers and book chapters, and contributed to the CDC protocols for the identification of bioterrorism agents in the clinical laboratory. She has a special interest in the causative agents of zoonotic diseases such as plague, tularemia and brucellosis. She has also taught microbiology at Vista Community College in Berkeley. She has a B.A. in biology from

Brown University and an M.S. in Bacteriology from the University of Wisconsin. She was a Peace Corps Volunteer in Malaysia (1966-68), where she taught biology and chemistry (1966-1968).

Celia Woodfill

General Information About CIDER Courses

COURSE ENROLLMENT

All courses require pre-registration. To register for one or more courses, [click here](#).

Enrollment for most courses is limited, so please register early. Once you submit your registration form, we will send you more details about the course(s), including location(s) and directions to the site(s). If you prefer to register offline, please call the Center for Infectious Disease Preparedness (CIDP) at 510/643-4939 and request a print copy of the registration form to be sent to you.

COURSE FEES

All single full-day and half-day workshops are free of charge. To register, follow instructions above.

All multi-day courses have a \$25 fee:

- Field Epidemiology Basics (with computer lab)
- Relational Database Management System for Epidemiologists (with computer lab)
- Principles of Public Health Microbiology

After submitting your online registration form for the course(s) which require a fee, please send a check for the appropriate amount made payable to "UC Regents" to:

CIDER Course Registrar
Center for Infectious Disease Preparedness
1918 University Ave., 4th Fl., MC# 7350
Berkeley, CA 94720-7350

Be sure to note your name and which course(s) the payment is for. Your registration will not be considered complete until BOTH your registration form and payment have been received. Some courses may fill up early, so be sure to send in your check promptly to secure your space.

CANCELLATION POLICY

If you must cancel once you have enrolled in a course, as a courtesy to other potential participants, please notify CIDP as soon as you know you will not be able to attend. We will not be able to provide refunds for courses that require fees.

COURSE LOCATIONS

All courses are located either on the UC Berkeley campus or within a few blocks of the campus. All sites are conveniently accessible by the Bay Area Rapid Transit (BART) system and other local public transportation. Once you register for a course, CIDP will forward to you the course location and directions to the site.

CONTINUING EDUCATION CREDIT



Each CIDER course or workshop has been approved by the California Department of Health Services for both CMEs and nursing credits. Please see each course listing for specific number of units being offered.

HOUSING ACCOMMODATIONS IN BERKELEY

The UC Berkeley's Summer Visitor Housing Program offers summer visitors affordable accommodations in a convenient location at the edge of the campus. Moderately priced buffet style meals are also available as an option (not required). For more information or to make a reservation, simply go online at www.housing.berkeley.edu/conference/summervis or call 510/642-4444 (through June 3rd) or 510/642-5925 (beginning June 4th). Rooms may fill up quickly, so be sure to you're your reservations early.

For other lodging accommodations in Berkeley, visit the Berkeley Convention and Visitors Bureau website at <http://www.berkeleycvb.com/accommodations.cfm>.

ADDITIONAL INFORMATION

For more information about the CIDER program or specific courses, please contact Roberta Myers at cidp@berkeley.edu or by phone at 510/643-2731.

CIDER Course Registration Form

Pre-registration is required. Completion of this form does not guarantee acceptance, as courses may be full. You will receive confirmation of your enrollment status and other course information by email (or letter).

Please send this form along with the appropriate total in registration fees (checks payable to "UC Regents") to:

CIDER Course Registrar
Center for Infectious Disease Preparedness
1918 University Ave, 4th fl. MC#7350
Berkeley, CA 94720-7350

You may also **fax** this form to **(510) 643-4926**. Your registration will not be considered complete until your check has been received. Be sure to send check as soon as possible, as courses may fill up early! Please fill out this form completely!!

Name (Last, First, Middle) _____

Salutation (circle one): Dr. Mr. Mrs. Ms.

Degree(s) _____

Street Address _____

City _____ State _____ Zip Code _____

Health Jurisdiction _____

Type of Organization (circle one):

State health department/jurisdiction
Local health department/jurisdiction
Hospital or community health clinic
College or university
Law enforcement/fire/emergency response

Community-based organization
Business
Other, please specify

Work Number (include extension if applicable) _____

Home/Alternative Number _____ Fax Number _____

Email Address (print legibly) _____

Please verify email address _____

Title (circle one):

Biostatistician
Bioterrorism Coordinator
Community Outreach/Field Worker
Elected government official
Emergency Management (FEMA, civil defense, etc.)
Environmental Engineer
Environmental Engineering Technician
Environmental Science and Protection Technician
Environmental Scientist & Specialist
Epidemiologist
First Responder (EMT, paramedic, fire, rescue, Haz Mat, etc.)
Health Administrator
Health Information Systems/Data Analyst
Health Planner/Research/Analyst
Hospital Administrator/Management
Infections Control/Disease Investigator
Law Enforcement (police, state patrol, FBI, etc.)

Nurse
Nurse Practitioner/Physician Assistant
Occupational Health and Safety Technician
Other Public Health Technician
Pharmacist
Physician
Public Health Educator or Trainer
Public Health Laboratory Specialist
Public Health Student
Public Information Staff (media spokesperson, public relations staff, media liaison)
Support Staff (administrative assistant, clerk, etc.)
Teacher/Faculty
Veterinarian
Other, please specify

Organization _____

Division _____

Would you like (circle one if applicable) *CMEs* or *nursing CE*s?

Please provide License number: _____

Name (Last, First, Middle) _____

Courses (to choose, circle enroll next to course)

Intensive Seminars for Public Health Practitioners

Each of these courses require a \$25 fee EXCEPT Media Communications (Aug 10) which has no fee.

enroll Field Epidemiology Basics (with computer lab)

2 weeks: July 26 – Aug 6, M-F, 9am – 12 noon

Do you meet the prerequisites: 1) A basic familiarity of computers and an interest in conducting epidemiologic data analyses using computer software; and 2) basic mathematic skills, including ability to utilize fractions, ratios, and percentages? **yes** **no**

enroll Relational Database Management Systems for Epidemiologists (with computer lab)

2 weeks: July 26 – Aug 6, M-F, 9am – 12 noon

Do you meet the prerequisite: 1) Familiarity and capability to function within a Windows-based operating system on a personal computer? **yes** **no**

enroll Principles of Public Health Microbiology

1 week: July 26 – July 30, 1:30 – 4:30 pm

enroll Media Communications Training for Public Health Professionals – FEE WAIVED

1 day: Aug 10, 9 am – 4:30 pm

Half-Day Workshops Focusing on Infectious Disease Emergency Readiness

There are no fees for these workshops.

enroll Key Microbial Threats

M, Aug 2, 1:30 – 4:30 pm

enroll Public Health Infection Control: Infection Control Practices in Health Care and Community Settings

T, Aug 3, 1:30 – 4:30 pm

enroll Contact Tracing and Investigating

W, Aug 4, 1:30 – 4:30 pm

enroll Mass Vaccination and Post-Exposure Prophylaxis

Th, Aug 5, 1:30 – 4:30 pm

enroll Strategies for Working with “Hard-to-Reach Populations”

F, Aug 6, 1:30 – 4:30 pm

enroll Public Health Incident Command System

M, Aug 9, 1:30 – 4:30 pm

enroll Risk Communication

M, Aug 9, 1:30 – 4:30 pm

Demographic Information (optional):

Race (circle one):

Black or African American

Alaska Native

American Indian

Asian

Native Hawaiian or Pacific Islander

White

Other, please specify

Sex (circle one):

Female

Male