

18th Annual Summer Program in Population Health

June 19 – 23, 2017

Presented by the Center for Public Health Practice at The Ohio State University College of Public Health with support from the Ohio Colleges of Medicine Government Resource Center



THE OHIO STATE UNIVERSITY

COLLEGE OF PUBLIC HEALTH



Ohio Colleges of Medicine
Government Resource Center

A Message from the Center Director



We are excited to offer the 2017 Summer Program in Population Health at The Ohio State University College of Public Health. The Center for Public Health Practice, with support from the Ohio Colleges of Medicine Government Resource Center, has designed this year's program to meet the needs of the population health workforce in Ohio. Summer Program participants will gain practical skills in collecting and using data, as well as build capacity to address state health priorities such as maternal and infant health, chronic disease and mental health and substance use. The selection of courses is intended to appeal to a broad range of professionals, from public health to health care and beyond. We encourage all people working to understand and improve the health of communities to register and join us for this year's program.

A handwritten signature in black ink, appearing to be 'Andrew Wapner'.

Andrew Wapner, DO, MPH
Assistant Professor - Practice
Director, Center for Public Health Practice

For the 18th consecutive summer, the College of Public Health, with support from the Ohio Colleges of Medicine Government Resource Center, will educate and train practitioners, researchers and students in population health methods. This year's courses offer a wide variety of topics to meet the needs of a broad population health workforce.

Who Should Attend?

Professionals working in public health, health care, local and state government, community health, health data analytics and academia.



Weeklong Courses: June 19 – 23

Morning Sessions 8:30 a.m. to 12:15 p.m.

Addiction and Mental Illness: The Public Health Crisis Impacting Ohio's Communities

Multiple Speakers

As the opiate epidemic rages across Ohio and suicide rates are increasing, mental health and addiction diseases have become an urgent public health crisis impacting every community. This course is designed to assist professionals and communities in developing an understanding of the epidemiology of mental illness and addiction. It will also examine the science supporting treating addiction as a chronic, relapsing brain disease and the impact of social determinants and trauma/toxic stress in both the development of and the public health response to behavioral health conditions. It will offer evidence-informed strategies and ideas for prevention and interventions aligned with the 2017 State Health Improvement Plan. Several experts from the Ohio Council for Behavioral Health and Family Services, The Ohio State University, and Ohio Department of Mental Health and Addiction Services will present these topics.

Value-Based Care: Payment Redesign & Care Re-Engineering

Lauren McKown, JD, MPH & Richard J. Snow, DO, MPH

This course will focus on the connection between healthcare payment and patient care redesign. Recent federal and state payment initiatives will be discussed, including the Medicare Access and CHIP Reauthorization Act's Merit-Based Incentive Program, hospital value-based payments, bundled payments and the Comprehensive Primary Care programs. Evolving models of care redesign developed to respond to these changing payment models will be evaluated and discussed. Competencies such as comparative effectiveness research and its application in practice-change decision-making, will be reviewed.

Geographic Information Systems for Public Health

Elisabeth Root, PhD

Geographic Information Systems (GIS) have become a powerful and flexible tool used by many researchers and practitioners in the field of public health. This course offers an introduction to GIS and how it is used in public health and epidemiological research to understand the relationships between people, their changing physical and social environments, and their health. Topics include: the geographic nature of public health, types of spatial data and the management and integration of spatial data into health research, visualization and mapping, and basic spatial analysis techniques. The practical component of this class involves hands-on experience with desktop GIS software including ArcGIS. Participants will leave with the basic skills to begin using GIS in their agencies. This course is geared toward individuals with little or no knowledge of GIS.

Developing, Designing and Performing Local Surveys

Rachel Tumin, PhD

Participants in this course will develop skills that are critical for successfully designing and fielding surveys. Topics will include sampling strategies, survey modes, question wording and ordering, instrument design, data quality assurance, and post-collection data processing. Participants will also discuss their own survey projects and receive feedback on questions they are currently developing.

Epidemiology of Poverty

Colleen Heflin, PhD

This course examines the nature and extent of poverty in the United States from a multidisciplinary perspective with a focus on its causes and consequences related to health. The following questions will be addressed: How is poverty measured? Why is poverty so persistent? How are immigration status, family structure, and demographic grouping related to the risk for poverty? What are the short-term and long-term consequences for health of exposure to poverty?

Weeklong Courses: June 19 – 23 (continued)

Morning Sessions 8:30 a.m. to 12:15 p.m.

Health Care System Data Analysis

Lorin Ranbom & Rachel Mauk, PhD

This course will apply an example research design in data analysis using insurance data. Topic areas include: counting enrollment spans, duration and gaps in enrollment, and sub-setting patients by diagnosis/clinical criteria. Upon completion, students will be able to create basic utilization measures, including: 1) counting visits, services, days, admissions, and prescriptions; 2) episodes and durations of care and 3) measuring prescribing practices. Students will compile results into a research dataset and learn basic techniques for statistical analysis. Course delivery includes lab assignments, homework, and one-on-one assistance.

Afternoon Sessions 1:30 p.m. to 5:15 p.m.

Place & Health Equity

Jason Reece, PhD

This course draws upon literature and evidence-based practices in multiple disciplines to understand community based and societal social determinants of health, with emphasis on maternal and infant health and chronic disease. The course will focus on the role of factors such as poverty, housing, education, trauma, stress, bias and discrimination which impact health outcomes and health equity. The course will explore data and methods for understanding neighborhood factors impacting health, and present evidence-based practices for addressing community-based social determinants.

Applied Survival and Event History Analysis

Michael Pennell, PhD

This course will cover basic concepts and statistical methods used to analyze time-to-event data in public health studies such as time to death (i.e., survival time), time to disease recurrence (often called disease-free or recurrence-free survival), time to healthy release from a hospital, or abstinence time in a drug treatment or smoking cessation study. Topics will include graphical and numerical summaries of time-to-event data, methods for comparing survival or event rates of different populations, and developing predictive models. Part of each class session will include a lab exercise intended to give students hands-on experience with statistical software. Detailed mathematical derivations and hand calculations will not be covered. The course is appropriate for anyone who has taken an introductory statistics or biostatistics course that covered linear regression.

A Short Course on Small Area Estimation

Gauri S. Datta, PhD

This short course will be based on the book "Small Area Estimation," by J.N.K. Rao and Isabel Molina, 2015, Wiley, and a number of research papers written by researchers on the topic. Often lectures will be drawn from research conducted by Dr. Datta and other researchers in the field. Topics include introduction to small area estimation, direct and indirect estimators in domain estimation; model-based approaches to small area estimation; area level and unit level models; empirical best linear unbiased prediction for point estimation and mean-squared error estimation; hierarchical Bayes and empirical Bayes methods in small-area estimation; prediction intervals for small area means; robust methods in small area estimation; and illustrative applications by Rao.

Two and Three-Day Sessions

June 21 – 22, 9:00 a.m. to 5:00 p.m. (full-day sessions)

Performance Management Systems for Public Health Agencies

Chad Brown, RS, MPH & Brandon Palinski, MPH-VPH, SIT

This two-day interactive workshop uses a combination of short lectures followed by hands-on application and mentored work time for agency-based teams to begin drafting a performance management system for their agency. Content aligns with PHAB accreditation requirements. Teams should consist of two to four individuals. Registration for this course occurs separately from other Summer Program courses.

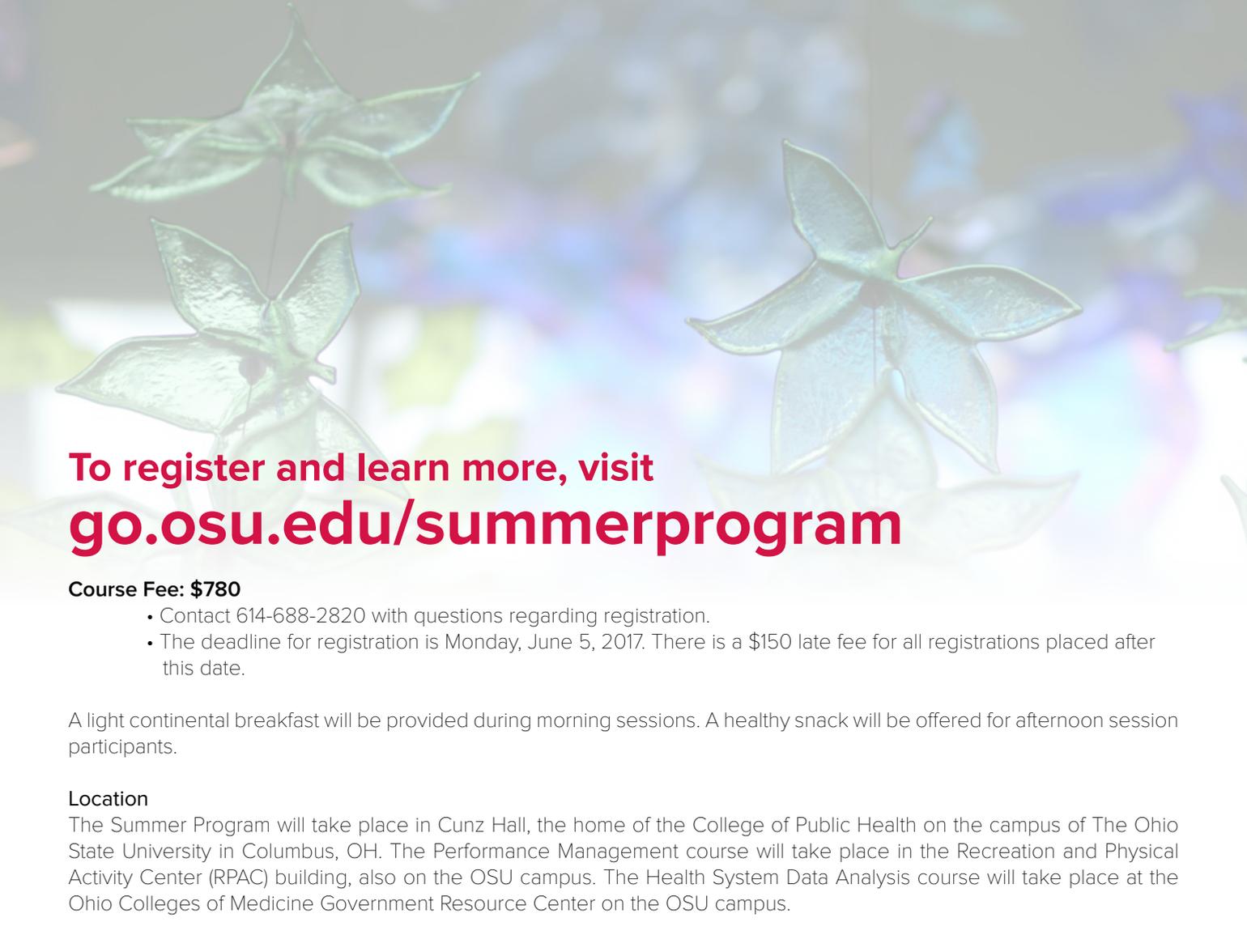
June 21, 1:30 p.m. to 5:15 p.m. and June 22 – 23, 8:30 a.m. to 4:30 p.m. (full-day sessions)

Promoting Social & Built Environments to Support Healthy Food Access in the Community

Darcy Freedman, PhD

To improve health outcomes and reduce disparities, federal agencies such as the CDC and USDA and state efforts such as Ohio's State Health Improvement Plan (2017-19), recommend implementation of interventions aimed at promoting social and built environments that support access to healthy food. This course will review the epidemiology of diet-related chronic disease and risk factors in Ohio, analyze the social determinants of diet-related chronic disease, identify interventions for improving healthy food access, describe state-level partnerships to support these interventions, and create action plans for community-level implementation and evaluation.





**To register and learn more, visit
go.osu.edu/summerprogram**

Course Fee: \$780

- Contact 614-688-2820 with questions regarding registration.
- The deadline for registration is Monday, June 5, 2017. There is a \$150 late fee for all registrations placed after this date.

A light continental breakfast will be provided during morning sessions. A healthy snack will be offered for afternoon session participants.

Location

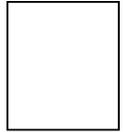
The Summer Program will take place in Cunz Hall, the home of the College of Public Health on the campus of The Ohio State University in Columbus, OH. The Performance Management course will take place in the Recreation and Physical Activity Center (RPAC) building, also on the OSU campus. The Health System Data Analysis course will take place at the Ohio Colleges of Medicine Government Resource Center on the OSU campus.



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