

DENTAL PUBLIC HEALTH (DPHC)

DPHC 501. Principals of Oral Epidemiology and Research Methods. 2 Units.

This course will address the distribution and determinants of oral and dental diseases at the local, state, national and international levels. Students will be instructed on the application of various dental indexes. Survey research methodology including questionnaire, development, and different forms of validity are also some of the topics taught. The course will enable residents to identify and formulate a research question that will be developed into a research proposal, to fulfill their residency requirement.

DPHC 505. Communication Methods in Dental Public Health. 2 Units.

This course will prepare students to be adept in searching scientific literature and gain/augment their skills in communicating as public health professionals. This skill set includes preparing literature reviews, manuscripts, developing research proposal and for this purpose students will gain proficiency in relevant software such as Reference Manager/EndNote/Adobe Connect. Students will be familiar with the different elements of a research proposal and gain skills in writing these components

DPHC 507. Data Analysis and Reporting. 2 Units.

Data Analysis and report writing will prepare residents to be proficient in analyzing public health/epidemiological by instructing them on the appropriate use of univariate, bivariate, and multivariate statistical test. Students will use either primary or secondary data sets for such applications. Bases on their previously approved research proposal and the results of the data analysis residents will write a scientific report to fulfill one of the requirements of the residency program.

DPHC 508. Dental Public Health Administration. 2 Units.

This course describes the history of dental public health, its principles, and the discipline as a recognized dental specialty. Understanding the discipline/profession and administration at local, state, national, and international levels will enable the graduates to be effective public health administrators.

DPHC 530. Graduate Preventive Dentistry. 2 Units.

This course will address primary, secondary, and tertiary prevention methods to prevent oral and dental diseases with the particular focus on groups of people rather than individual patients. Instruction on cost-effectiveness of different preventive modalities will enable students to choose the applicable program for specific populations.

DPHC 532. Oral Health Care Systems. 2 Units.

The course on oral health care systems will provide an insight into the dental care systems in the U.S. including different forms of financing, private, public, etc. Knowledge of the system will enable future dental public health professionals to recognize the oral health workforce models and their appropriateness to public health settings to provide dental care to various groups.

DPHC 551. Research in Dental Public Health I. 1.5 Unit.

One of the core aspects of dental public health training at CWRU is to augment residents' research skills; each resident will be required to develop, implement, and complete at least one research project during the training. The project may involve primary data collection or the use of secondary data for analysis. The program director, members of the residency committee, and experts working in the area of each resident's interest will assist with the selection of an appropriate research topic and getting IRB approval. Following the data analysis, each resident will submit and defend a written report of the project. Acquisition of research skills will be facilitated by didactic courses and periodical meetings with the residency director and members of the residency committee.

DPHC 552. Research in Dental Public Health II. 1.5 Unit.

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DPHC 555. Dental Public Health Practicum I. 1.5 Unit.

Supervised field experience is an integral part of the advanced education program in dental public health at CWRU; the numerous field experiences are designed to augment residents' requisite public health skills as well as community-oriented primary care. The sites for field experience include Medina County Health Department, Akron Health Resources Inc., Free Medical Clinic of Greater Cleveland, etc. These sites have been carefully chosen for DPH residents to improve public health skills, which would enable them to succeed as a dental public health professional.

DPHC 556. Dental Public Health Practicum II. 1.5 Unit.

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DPHC 599. Independent Study in Dental Public Health. 1 - 9 Units.

The aim of this course is for dental public health residents to gain an in-depth understanding of selected topics in public health and/or augment their skills in epidemiological research methodology. Students will choose their topic(s) of interest in consultation with the course director and attain the requisite skill levels through assigned readings and written assignments. Students opting to augmenting their research skills will be required to complete a research project by developing and implementing the project followed by data analysis and writing a report.