

Public Health: Discovering the Big Picture in Health Care	Scope and Sequence
Unit Lesson	Objectives
THIS IS PUBLIC HEALTH	
What is Public Health?	
	Evaluate the role of public health in developing health policy.
	Compare and contrast public health and direct patient care.
	Examine the role of public health in disease prevention and behavioral intervention to control disease development.
	Evaluate the multiple definitions of public health and explain how each contributes to the public health concept.
	Explore the relationship of public health and individual liberty.
The Five Core Disciplines of Public Health	
	Describe the five core disciplines within the field of public health.
	Compare and contrast the five core disciplines of public health and describe how each contributes to the public health discipline.
Project: Research Public Health Issues	
The Public Health System and Infrastructure	
	Describe the dimensions of the public health system, including inputs, practices, and outcomes.
	Compare and contrast the roles of the local, state, and national public health agencies in ensuring health within the scope of their authority.
	Examine the public health infrastructure, including local, state, and national agencies.
	Discuss the importance of communication within and between all public health agencies at every level.
Project: Research Public Health Agencies Response to Public Health Issues	

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The History of Public Health

The student will examine the early history of public health from ancient history to the Renaissance.

The student will evaluate the role of epidemics, migration, and discovery on public health.

Project: Early Years of Public Health

Public Health Milestones in the Eighteenth and Nineteenth Centuries

Compare and contrast the role of nurses before and after the recognition of nursing as a profession.

Evaluate the role of epidemics, migration, and discovery in public health.

Evaluate the milestones in public health and their contributions to this discipline as we know it today.

Project: Create Public Health Time Line

Public Health in the 20th Century

The student will evaluate the impact of the birth of the nursing school to public health in the 20th century.

The student will compare and contrast the role of the WHO and the CDC in public health.

The student will describe the top ten achievements in public health during the 20th century.

Test

HEALTH EDUCATION AND BEHAVIORAL SCIENCE

Promoting Public Health and Public Health Education

Explore the methods used by public health organizations to introduce and maintain change in health-related behaviors.

Evaluate situations in which public health promotion has been employed to improve health, such as hand-washing campaigns.

Examine the importance of health promotion and health education in shaping the future health of Americans.

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Identify current issues in public health and formulate solutions utilizing health promotion to influence behavior or lifestyle systems.

Project: Developing a Public Service Announcement

Public Health Enemy #1: Tobacco

Evaluate situations in which public health promotion has been employed to improve health, such as tobacco cessation.

Identify current issues in public health and formulate solutions utilizing health promotion to influence behavior or lifestyle.

Describe the role of taxes as a deterrent and as a tool of public health promotion.

Public Health Enemy #2: Obesity

Evaluate situations in which public health promotion has been employed to improve health.

Identify current issues in public health and formulate solutions utilizing health promotion to influence behavior or lifestyle.

Describe the role of taxes as a deterrent and a tool of public health promotion.

Explore the obesity epidemic in the United States and evaluate public health activities and interventions.

Project: Marketing Bad Habits

Coordinating Response on a National, State, and Local Level

Evaluate the role of public health in ensuring that the community is prepared for emergencies.

Describe the role of public health agencies in emergency response.

Examine the role of effective intra- and interagency communication in emergency response and preparedness.

The Threat of Bioterrorism

Evaluate the role of public health in ensuring that the community is prepared for emergencies.

Describe the role of public health agencies in emergency response.

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Examine the role of effective intra- and interagency communication in emergency response and preparedness.

Define bioterrorism.

Evaluate the public health measures that prepare for and protect the public from bioterrorist events post-9/11.

Project: Researching Bioterrorism Agents

Hurricane Katrina

Evaluate the role of public health in ensuring that the community is prepared for emergencies.

Describe the role of public health agencies in emergency response.

Examine the role of effective intra- and interagency communication in emergency response and preparedness.

Describe the events of Hurricane Katrina.

Critique the measures taken by local, state, and national agencies before, during, and after Hurricane Katrina.

Project: Researching Hurricane Katrina

Test

EPIDEMIOLOGY, BIostatISTICS AND OUTBREAK INVESTIGATION

Epidemiology: The Foundation of Public Health

Define epidemiology.

Compare and contrast the different epidemiologic approaches for infectious and chronic diseases.

Evaluate the role of epidemiology in determining risk factors in outbreaks such as Legionnaires' disease and lung cancer.

Project: Creating a Timeline for Legionnaire's or Lung Cancer

Epidemiologic Methods and the Importance of Biostatistics

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Describe the major types of epidemiologic studies and their applications.

Evaluate the use of biostatistics, such as probability, rates, and measures of risk, in epidemiology, research, and health policy.

Compare and contrast the sources of information available for epidemiologic studies as to their reliability and the types of data they provide.

Distinguish between incidence and prevalence as a measure of disease occurrence.

Project: Clinical Trials

Ethical and Legal Considerations in Epidemiology

Assess the ethical and legal considerations inherent to epidemiologic studies, such as the ethical treatment of human subjects and consent, sources of error in epidemiologic studies, and conflict of interest in clinical trials.

Principles of Infectious Diseases

Compare and contrast bacteria, viruses, fungi, protozoa, and helminths as agents of disease.

Assess the significance of portals of entry, means and routes of transmission in establishing infection and disease in an individual.

Define immune response.

Describe the protective role of the immune response.

Distinguish between specific and nonspecific immunity.

Examine the concept of emerging infectious diseases and discuss their impact on public health.

Project: Researching and Presenting Infectious Diseases

Prevention and Treatment

Compare and contrast the efficacy of disease prevention techniques, such as hand washing, antiseptics and disinfectants, patient isolation, and vaccination.

Critique the use of antimicrobial drugs in treating infectious diseases and the consequences of using

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antimicrobials inappropriately.

Analyze the role of pre-clinical and clinical trials in product development.

Describe palliative care and situations in which it is used.

Project: Microbe Game

Outbreak Investigation

Compare and contrast the investigation of two outbreaks and the ability to detect etiologic agents and effect meaningful change, which affects future disease occurrence.

Test

THE CDC, ENVIRONMENTAL AND OCCUPATIONAL HEALTH

CDC: Description and Historical Perspective

Examine the structure, scope of influence, and role of the Centers for Disease Control and Prevention in preventing disease and protecting the health of the nation.

Describe the history of the CDC and evaluate how it has shaped the role of the CDC in the present.

Project: Global Disease Campaigns

CDC and Public Health Promotions

Examine the structure, scope of influence, and role of the Centers for Disease Control and Prevention in preventing disease and protecting the health of the nation.

Describe the US Public Health Service Commissioned Corps and its role in advancing and promoting public health.

Project: Family Health History

CDC and Emergency Response

Examine the structure, scope of influence, and role of the Centers for Disease Control and Prevention in preventing disease and protecting the health of the nation.

Evaluate the role of FoodNet in protecting the public health.

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	Importance of a Clean Environment	<p>Correlate cleanliness of the environment with human health.</p> <p>Assess the importance of potable water in human health.</p> <p>Evaluate the effect of air pollution on respiratory disease.</p> <p>Evaluate the challenges of maintaining a safe food supply.</p> <p>Describe the role of the FDA in ensuring the safety of drugs and cosmetics.</p> <p>Explain how and why the disposal of solid and hazardous waste is important to our quality of health.</p>
	Project: Health Effects of Air Pollutants	
	Population Growth as a Health Issue	<p>Correlate cleanliness of the environment with human health.</p> <p>Examine the role of population growth on public health.</p>
	Project: Population Research and Comparison	
	Occupational Exposure	<p>Describe the importance of identifying and rectifying workplace hazards in the prevention of occupational injuries.</p> <p>Assess the role of effective planning in ensuring a safe workplace.</p>
	Test	
GLOBAL HEALTH, THE WORLD HEALTH ORGANIZATION (WHO) AND FUTURE PUBLIC HEALTH CHALLENGES		
	Global Health: We are One World	<p>Define global health.</p> <p>Evaluate what is meant by the statement, "We are one world."</p>

GLOBAL HEALTH, THE WORLD HEALTH ORGANIZATION (WHO) AND FUTURE PUBLIC HEALTH CHALLENGES

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Describe the various multinational organizations involved in global health.

Project: Global Health Organization

The Role of the World Health Organization (WHO)

Examine the role of the World Health Organization in global prevention and patient advocacy.

Project: Researching Internet Drug Stores

Public Health in Russia

Evaluate the public health system in Russia and comment on its successes and failures.

Pandemic Flu and Emergency Preparedness

Evaluate the emergency preparation and procedures designed to contain public health emergencies.

Project: Pandemics

Other Challenges in Public Health in the 21st Century

Describe the major challenges for public health in the 21st century.

Project: Healthy ME!

Exploring your Career Opportunities in Public Health

Explore career paths of interest and the specific expectations of those paths.

Identify the steps to take in evaluating a potential career path.

Understand job components that should be examined when making decisions about a prospective career.

Project: Public Health Career Exploration

Test

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COURSE REVIEW AND EXAM

Review

Exam