Kentucky CTE

Health Science: Introduction to Public Health 170143 (2026–2027)

Address the history & philosophy of public health as well as its core values, concepts and functions across the globe and in society. 1	1 Address the history & philosophy of public health as well as its core values, concepts and functions across the globe and in society. 1
Recognize the contrast between clinical medicine versus public health. 2	2 Recognize the contrast between clinical medicine versus public health. 2
Address the basic concepts, methods, and tools of public health data collection, use, and analysis, and why evidence-based approaches are an essential part of public health practice. 3	3 Address the basic concepts, methods, and tools of public health data collection, use, and analysis, and why evidence-based approaches are an essential part of public health practice. 3
Address the socio-economic, behavioral, biological, environmental, and other factors that impact human health and contribute to health disparities. 4	4 Address the socio-economic, behavioral, biological, environmental, and other factors that impact human health and contribute to health disparities. 4
Address the fundamental characteristics and organizational structures of the U.S.	5 Address the fundamental characteristics and organizational structures of the U.S. health system as well as the differences in systems in other countries. 5

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health system as well as the differences in systems in other countries. 5	
Describe how to access and evaluate the quality of health information and data in mass media and the internet. 6	6 Describe how to access and evaluate the quality of health information and data in mass media and the internet. 6
Explain the concepts of prevention, detection, and control of infectious and chronic conditions, health disparities, and global health. 7	7 Explain the concepts of prevention, detection, and control of infectious and chronic conditions, health disparities, and global health. 7
Recognize ways to promote and protect the health of vulnerable populations. 8	8 Recognize ways to promote and protect the health of vulnerable populations. 8
Identify organizations of healthcare and public health systems available in your community. 9	9 Identify organizations of healthcare and public health systems available in your community. 9
Differentiate between the social and environmental indicators that affect public health. 10	10 Differentiate between the social and environmental indicators that affect public health. 10
Evaluate epidemiological methods and study design for tracking the disease/disorder. 11	11 Evaluate epidemiological methods and study design for tracking the disease/disorder. 11
Examine rates, risk factors, and health status indicators of diseases/disorders. 12	12 Examine rates, risk factors, and health status indicators of diseases/disorders. 12
Co mo mortality. 13	Contrast between morbidity and mortality. 13

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Identify and define the difference between an outbreak and an epidemic and how they are traced. 14	**14** **Identify and define the difference between an outbreak and an epidemic and how they are traced.** 14
Identify and research careers in public health. 15	**15** **Identify and research careers in public health.** 15

Standard