

Advanced Epidemiology And Public Health

Duration: 5 Days

Language: en

Course Code: IND5 - 148

Objective

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

- Understand key concepts and principles of epidemiology.
- Develop advanced skills in epidemiological research methods.
- Analyse and interpret epidemiological data.
- Apply epidemiological findings to public health practice.
- Enhance strategies for disease prevention and health promotion.

Audience

This course is intended for:

- Public health professionals
- Epidemiologists
- Medical researchers
- Healthcare practitioners
- Policymakers in health
- Graduate students in public health and related fields

Training Methodology

The course employs a blend of instructional methods, including:

- Interactive lectures
- Hands-on research and data analysis sessions
- Group discussions and case studies
- Expert-led Q&A sessions
- Comprehensive course materials and resources

Summary

This advanced course offers a comprehensive understanding of epidemiology and its crucial role in public health. Participants will explore the fundamental principles of epidemiology, advanced research methods, and practical applications for disease prevention and health promotion. The course integrates theoretical knowledge with hands-on experiences, preparing healthcare professionals to conduct epidemiological research and apply findings to improve public health outcomes.

Course Content & Outline

Section 1: Introduction to Epidemiology

- Basic principles and concepts of epidemiology
- Measures of disease frequency and association
- Study designs in epidemiology: cohort, case-control, and cross-sectional studies

Section 2: Data Collection and Analysis

- Sources of epidemiological data
- Data collection methods and tools
- Statistical analysis of epidemiological data

Section 3: Advanced Epidemiological Methods

- Bias, confounding, and effect modification
- Advanced analytical techniques
- Interpretation of epidemiological studies

Section 4: Applications in Public Health

- Epidemiology of infectious diseases
- Chronic disease epidemiology
- Environmental and occupational Epidemiology

Section 5: Practical Applications and Case Studies

- Designing and conducting an epidemiological study
- Case studies and real-world problem-solving
- Developing public health interventions based on epidemiological findings
- Course review and expert Q&A

Certificate Description

Upon successful completion of this training course, delegates will be awarded a Holistique Training Certificate of Completion. For those who attend and complete the online training course, a Holistique Training e-Certificate will be provided.

Holistique Training Certificates are accredited by the British Assessment Council (BAC) and The CPD Certification Service (CPD), and are certified under ISO 9001, ISO 21001, and ISO 29993 standards.

CPD credits for this course are granted by our Certificates and will be reflected on the Holistique Training Certificate of Completion. In accordance with the standards of The CPD Certification Service, one CPD credit is awarded per hour of course attendance. A maximum of 50 CPD credits can be claimed for any single course we currently offer.

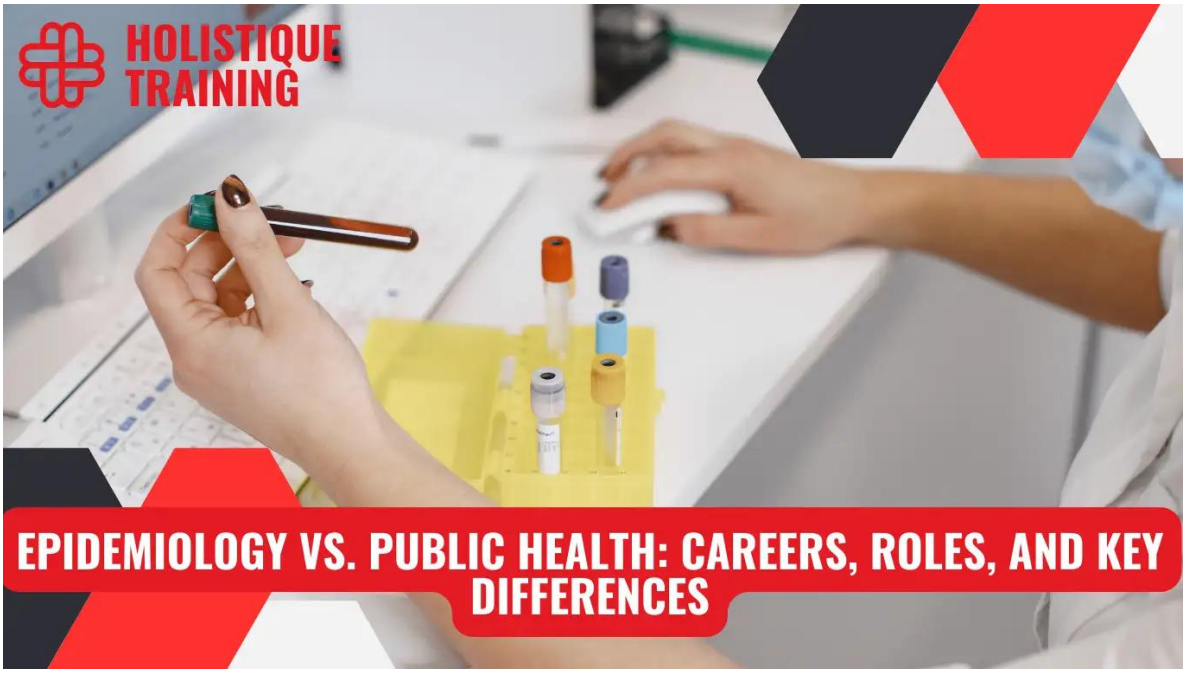
Categories

Health, Safety & Environment HSE, Healthcare & Pharmaceutical

Tags

Epidemiology, Public Health

Related Articles



Epidemiology vs. Public Health: Careers, Roles, and Key Differences

Explore epidemiology vs public health—key differences, career paths, and how they work together to prevent disease and protect population health.