



تأثير اللقاحات والإبيدميولوجيا المتقدمة في الصحة العامة

Duration: 5 Days

Language: ar

Course Code: IND5 - 151

Objective

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

- Understand the fundamental concepts of vaccine epidemiology.
 - Develop skills in evaluating vaccine efficacy and safety.
 - Analyse the impact of vaccination programs on public health.
- Learn about the latest research and developments in vaccine technology.
- Enhance their ability to design and implement effective vaccination strategies.

Audience

:This course is intended for

- Epidemiologists
- Public health professionals
- Medical researchers specialising in infectious diseases
- Healthcare practitioners involved in vaccination programs
 - 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 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 exploration of the epidemiology and impact of vaccines. Participants will delve into the principles of vaccine epidemiology, study the methodologies for evaluating vaccine efficacy and safety, and understand the role of vaccines in public health. The course combines theoretical instruction with practical applications, preparing healthcare professionals to conduct vaccine research and implement vaccination programs effectively.

Course Content & Outline

Section 1: Introduction to Vaccine Epidemiology

- Overview of vaccine-preventable diseases
- History and development of vaccines
- Key concepts in vaccine epidemiology: herd immunity, R_0 , and vaccine coverage

Section 2: Evaluating Vaccine Efficacy and Safety

- Study designs for vaccine trials: randomised controlled trials, cohort studies

- Measuring vaccine efficacy: direct, indirect, and total effects
- Assessing vaccine safety: adverse events following immunisation (AEFI)

Section 3: Vaccine Impact on Public Health

- Impact of vaccination programs on disease incidence and prevalence
 - Case studies of successful vaccination campaigns
- Vaccine hesitancy and strategies to improve vaccine uptake

Section 4: Advances in Vaccine Development

- Novel vaccine technologies: mRNA, vector-based, and subunit vaccines
- Challenges in vaccine development for emerging infectious diseases
 - Role of vaccines in pandemic preparedness and response

Section 5: Practical Applications and Case Studies

- Designing vaccination strategies for different populations
- Evaluating the impact of vaccination programs through real-world data
 - Case studies and collaborative problem-solving
 - Course review and expert Q&A

Certificate Description

Holistique Training. عند إتمام هذه الدورة التدريبية بنجاح، سيحصل المشاركون على شهادة إتمام التدريب من (e-Certificate) وبالنسبة للذين يحضرون ويكملون الدورة التدريبية عبر الإنترنت، سيتم تزويدهم بشهادة إلكترونية من Holistique Training.

وخدمة اعتماد التطوير المهني (BAC) معتمدة من المجلس البريطاني للتقييم Holistique Training شهادات ISO 29993، ISO 21001 أو ISO 9001 كما أنها معتمدة وفق معايير (CPD) المستمر.

لهذه الدورة من خلال شهادتنا، وستظهر هذه النقاط على شهادة إتمام (CPD) يتم منح نقاط التطوير المهني المستمر واحدة عن كل ساعة CPD يتم منح نقطة CPD، ووفقاً لمعايير خدمة اعتماد Holistique Training التدريب من لأي دورة واحدة نقدمها حالياً CPD حضور في الدورة. ويمكن المطالبة بحد أقصى قدره 50 نقطة

Related Articles



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

Epidemiology and public health are interconnected fields that work toward improving community well-being. While epidemiology focuses on studying disease patterns and causes, public health implements preventive measures and health policies. This article examines their differences, career paths, and how they collaborate to protect populations from health threats.