

Module Information

2022.01, Approved

Summary Information

Module Code	5012PUBHEA
Formal Module Title	Epidemiology, Surveillance and Public Health Intelligence
Owning School	Public Health Institute
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 5
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Public Health Institute

Learning Methods

Learning Method Type	Hours
Lecture	24
Practical	24

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
JAN-CTY	CTY	January	12 Weeks

Aims and Outcomes

Aims	This module will provide students with the foundations of epidemiology, and an introduction to population based healthsurveillance methods and public health intelligence.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Explain the main basic concepts used in epidemiology
MLO2	2	Identify and assess the main forms of epidemiological study designs
MLO3	3	Examine the role of public health surveillance and the limitations monitoring data
MLO4	4	Analyse and interpret routine data on health and wellbeing and needs using basic analytical techniques

Module Content

Outline Syllabus	How to formulate a question Measures of effect Alternative explanations: Chance, bias and confounding Study design Communicable disease epidemiology Social epidemiology Surveillance systems for diseases and behaviours Health needs assessment Data analysis and presentation
Module Overview	This module will provide you with the foundations of epidemiology, and an introduction to population based health surveillance methods and public health intelligence. Epidemiology is the fundamental science underpinning public health. You will gain a thorough understanding of the conceptual basics of epidemiology and their application to study design and interpretation.
Additional Information	Epidemiology is the fundamental science underpinning public health. Students will gain a thorough understanding of the conceptual basics of epidemiology and their application to study design and interpretation. Surveillance systems for communicable disease, vaccination programmes, noncommunicable diseases, behaviours in both high and low-and-middle income countries will be considered. Alongside this students will learn the analytical techniques to inform public health intelligence including standardisation, mapping, trend analysis and presentation

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Reflection	2500 word Report	60	0	MLO1, MLO2, MLO4
Presentation	20 minute Presentation	40	0	MLO3

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Vivian Hope	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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