

**Module Information**

2022.01, Approved

**Summary Information**

Module Code	7019PUBHEA
Formal Module Title	Public Health Epidemiology, Intelligence and Health Protection
Owning School	Public Health Institute
Career	Postgraduate Taught
Credits	20
Academic level	FHEQ Level 7
Grading Schema	50

**Teaching Responsibility**

LJMU Schools involved in Delivery
Public Health Institute

**Learning Methods**

Learning Method Type	Hours
Lecture	32
Online	2
Workshop	6

**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 underpinning knowledge and skills required to apply epidemiological and population based public health intelligence to health risks and the health protection measures aimed at reducing them
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**After completing the module the student should be able to:**

### Learning Outcomes

Code	Number	Description
MLO1	1	Critically appraise the core epidemiological concepts and key study designs.
MLO2	2	Critically examine the role of public health surveillance and the limitations of monitoring data.
MLO3	3	Critically analyse communicable and non-communicable risk factors which impact on population health.
MLO4	4	Critically assess the effectiveness of policy and responses for the protection of the public's health, including roles and responsibilities of key organisations.

### Module Content

Outline Syllabus	Epidemiological measures: incidence, prevalence, risk/odds ratios, standardised rates/impact of population structure, R0• Epidemiological concepts• Epidemiological study designs• Screening and immunisation• Monitoring & intelligence• Key health protection controls for communicable and environmental hazards • Risk and risk communication
Module Overview	Epidemiology, Health Intelligence and Health Protection are core public health disciplines that share some key approaches and methods. Epidemiological and health surveillance methods provide essential data which are used to determine suitable health protection strategies. This module will explore these three key areas and the relationships between them and apply them to a number of key issues from a global context.
Additional Information	Epidemiology, Health Intelligence and Health Protection are core public health disciplines that share some key approaches and methods. Epidemiological and health surveillance methods provide essential data which are used to determine suitable health protection strategies. This module will explore these 3 key areas and the relationships between them.

### Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Centralised Exam	Exam (online)	60	2	MLO1, MLO2, MLO3
Presentation	Annotated Presentation	40	0	MLO2, MLO3, MLO4

### 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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