

## Liverpool John Moores University

Title: Public Health Intelligence: Advanced Methods  
Status: Definitive  
Code: **7015PUBHEA** (123912)  
Version Start Date: 01-08-2020

Owning School/Faculty: Public Health Institute  
Teaching School/Faculty: Public Health Institute

Team	Leader
Ivan Gee	Y

**Academic Level:** FHEQ7      **Credit Value:** 10      **Total Delivered Hours:** 10

**Total Learning Hours:** 100      **Private Study:** 100

### Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	10
Placement/Practice	10

**Grading Basis:** 50 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	Analysis	2000 word report	100	

### Aims

*The course aims to provide advanced knowledge of public health intelligence practice and develop extensive practical skills in the analysis of public health information and the development of public health intelligence*

### Learning Outcomes

After completing the module the student should be able to:

- 1 Research, analyse and present indicator data using appropriate measures of uncertainty.
- 2 Present and communicate population health intelligence in effective ways using mapping and dashboard tools
- 3 Evaluate the implications for public health of differences in health indicators between different populations for purposes such as health needs assessment.

## Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Health inequalities analysis	1	2	3
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## Outline Syllabus

*Review of health intelligence, assessment of data sources and common health indicators strengths and weaknesses; examining inequalities in health using health intelligence; assessing uncertainty in health measures (confidence intervals and statistical process control); presenting public health data (graphs and infographics); mapping health data using GIS and online dashboards, geodemographic assessment of health, and; intelligence for health needs assessment.*

## Learning Activities

Learning will involve informal lectures with discussion and classroom based exercises using classroom iPads, and extensive use of practical sessions in IT suites using a range of specialist software. The course will also make use of online resources and discussion boards.

## Notes

The course will provide advanced knowledge of the practice of health intelligence and the methods used to transform health information in to useful health intelligence. The course will make extensive use of IT based sessions to embed learning and develop practical skills.