

## Liverpool John Moores University

Title: Public Health Intelligence  
Status: Definitive  
Code: **7031PHEALT** (120260)  
Version Start Date: 01-08-2019

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

Team	Leader
Ivan Gee	Y

**Academic Level:** FHEQ7  
**Credit Value:** 20  
**Total Delivered Hours:** 40  
**Total Learning Hours:** 200  
**Private Study:** 160

### Delivery Options

Course typically offered: Non Standard Year Long

Component	Contact Hours
Lecture	15
Online	10
Practical	15

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Presentation	Present.		40	
Report	Report		60	

### Aims

*The course aims to provide knowledge of public health intelligence practice and develop 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 Critically discuss the range of tools used in public health analysis
- 2 Conduct fundamental analysis of public health data using Microsoft Excel
- 3 Present health data using suitable statistical and graphical tools

### **Learning Outcomes of Assessments**

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

Presentation of data	1	2
Data analysis report	2	3

### **Outline Syllabus**

*Introduction to health intelligence, data sources and common health indicators; Tools for comparison of health between areas (DSR, ISR etc); Assessing uncertainty in health measures (confidence intervals and statistical process control); presenting public health data (graphs and infographics); mapping health data, and; intelligence for health needs assessment.*

### **Learning Activities**

Learning will involve informal lectures with discussion and classroom based exercises and extensive use of practical session in IT suites. The course will also make use of online resources and discussion boards.

### **Notes**

The course will provide knowledge of the purpose 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.