

Module code: MOD007246	Version: 2    Date Amended: 19/Jul/2024
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<b>1. Module Title</b>
Data Analysis in Public Health Research

<b>2a. Module Leader</b>
Cataria Davis

<b>2b. School</b>
School of Allied Health and Social Care

<b>2c. Faculty</b>
Faculty of Health, Medicine and Social Care

<b>3a. Level</b>
5

<b>3b. Module Type</b>
Standard (fine graded)

<b>4a. Credits</b>
15

<b>4b. Study Hours</b>
150

<b>5. Restrictions</b>			
<b>Type</b>	<b>Module Code</b>	<b>Module Name</b>	<b>Condition</b>
Pre-requisites:	None		
Co-requisites:	None		
Exclusions:	None		
<b>Courses to which this module is restricted:</b>			

## LEARNING, TEACHING AND ASSESSMENT INFORMATION

### 6a. Module Description

Building on your skills and experience from Year 1, you'll use your knowledge in anatomy, research and data analysis to investigate real world public health issues. You'll be given a live brief about a real world public health challenge and be expected to plan a creative research solution. Having first-hand experience of designing quantitative and qualitative research will allow you to have a greater understanding of the challenges involved in research, and help you hone your critical thinking skills and review of secondary sources.

### 6b. Outline Content

- Introduction to practical research in public health
- Qualitative and quantitative research in public health practice
- Evidence based practice in public health
- Data collection strategies
- Data analysis progressing SPSS skills
- Generating research questions
- Study designs
- Guest speakers from public health practice

### 6c. Key Texts/Literature

The reading list to support this module is available at: <https://readinglists.aru.ac.uk/>

### 6d. Specialist Learning Resources

National Institute for Health research – Public Health research gateway - <http://www.nihr.ac.uk/funding-and-support/funding-for-research-studies/funding-programmes/public-health-research/>

UK Health Research Authority - <http://www.hra.nhs.uk/>

7. Learning Outcomes (threshold standards)		
No.	Type	On successful completion of this module the student will be expected to be able to:
1	Knowledge and Understanding	Analyse, synthesise and summarise key strategies for collecting quantitative and qualitative research data
2	Knowledge and Understanding	Critically analyse key concepts used in public health research such as 'limitations' and 'confounders'.
3	Knowledge and Understanding	Use and critically evaluate computer programmes (e.g. SPSS, R, Excel) for performing basic descriptive statistics on datasets from public health surveys.
4	Intellectual, practical, affective and transferrable skills	Develop and evaluate a search strategy to find public health journal articles relevant to your topic.

8a. Module Occurrence to which this MDF Refers				
Year	Occurrence	Period	Location	Mode of Delivery
2024/5	ZZF	Template For Face To Face Learning Delivery		Face to Face

8b. Learning Activities for the above Module Occurrence			
Learning Activities	Hours	Learning Outcomes	Details of Duration, frequency and other comments
Lectures	36	1-4	Comprised of Lectures, seminars, workshops.
Other teacher managed learning	0	None	None
Student managed learning	114	1-4	Private study
TOTAL:	150		

9. Assessment for the above Module Occurrence					
Assessment No.	Assessment Method	Learning Outcomes	Weighting (%)	Fine Grade or Pass/Fail	Qualifying Mark (%)
010	Coursework	1-4	100 (%)	Fine Grade	30 (%)
Coursework (equivalent to 2000 words) The students will be expected to conduct statistical analyses from a quantitative dataset and develop a data driven infographic, which includes research questions and methodology.					

**In order to pass this module, students are required to achieve an overall mark of 40% (for modules at levels 3, 4, 5 and 6) or 50% (for modules at level 7\*).**

**In addition, students are required to:**

- (a) achieve the qualifying mark for each element of fine graded assessment as specified above**
- (b) pass any pass/fail elements**

**[\* the pass mark of 50% applies for all module occurrences from the academic year 2024/25 – see Section 3a of this MDF to check the level of the module and Section 8a of this MDF to check the academic year]**