



## **Module Specification**

### Introduction to Evidence-Based Population Health

Version: 2023-24, v2.0, 30 May 2023

#### **Contents**

<b>Module Specification .....</b>	<b>1</b>
<b>Part 1: Information .....</b>	<b>2</b>
<b>Part 2: Description .....</b>	<b>2</b>
<b>Part 3: Teaching and learning methods .....</b>	<b>3</b>
<b>Part 4: Assessment.....</b>	<b>5</b>
<b>Part 5: Contributes towards .....</b>	<b>6</b>

## Part 1: Information

**Module title:** Introduction to Evidence-Based Population Health

**Module code:** UZVYEN-30-1

**Level:** Level 4

**For implementation from:** 2023-24

**UWE credit rating:** 30

**ECTS credit rating:** 15

**Faculty:** Faculty of Health & Applied Sciences

**Department:** HAS School of Health and Social Wellbeing

**Partner institutions:** None

**Field:** Health, Community and Policy Studies

**Module type:** Module

**Pre-requisites:** None

**Excluded combinations:** None

**Co-requisites:** None

**Continuing professional development:** No

**Professional, statutory or regulatory body requirements:** None

## Part 2: Description

**Overview:** This module introduces learners to a range of issues and concepts relating to evidence-based population health. This includes how health and disease are measured in populations, the history of evidence-based population health, an introduction to research methods and how evidence of health and disease can be estimated through epidemiological and research methods, and an introduction to how such data and evidence are appraised. The module ensures that apprentices have a basic understanding of evidence and research methods for health

improvement. The knowledge and skills developed in this module are further developed in the Level 5 module Advanced Evidenced Based Population Health.

**Features:** Not applicable

**Educational aims:** To introduce learners to the concepts and issues associated with evidence-based population health.

To explore different sources of data, the strengths, weaknesses and uses of various forms of data, research methods and evidence in a population health context.

To introduce learners to the principles of critically appraising evidence.

To consider ethical and other issues relating to the collection, interpretation, dissemination and use of public health information.

**Outline syllabus:** The outline syllabus typically includes:

An introduction to routine sources of health data (such as local authority, healthcare or national datasets)

How to assess the quality of health data, including completeness, accuracy, representativeness and timeliness

An introduction to basic statistics to describe a public health issue, (such as calculating the mean, median, mode, incidence and prevalence) and how to prepare figures to illustrate health data (such as bar/pie charts)

Where to find sources of information on the determinants of health and disease (e.g. smoking, drinking, occupation, socio-economic status)

An introduction to conducting a health needs assessment

An introduction to quantitative and qualitative research methods and how these can be used to provide evidence of health and disease

An introduction to the tools that can be used to critically appraise evidence arising from different research methods

An introduction to essential epidemiological concepts, e.g. association, causality, confounding and bias

Ethical issues surrounding the collection, interpretation, dissemination and use of public health information

### **Part 3: Teaching and learning methods**

**Teaching and learning methods:** Scheduled learning includes lectures, seminars, group work and workshops. The teaching draws upon academic expertise from across the programme team.

These interactive sessions are designed to build basic knowledge in finding and using health data and being able to apply that knowledge to practice.

Sessions will enable students to recognise different research methods and build the foundations for critical appraisal of those methods.

Independent learning includes guided essential reading, workshop preparation, online self-directed learning and assignment preparation and completion.

All timetabled teaching is supplemented with online learning materials, such as recorded lectures, instructional videos, glossaries of terms and podcasts.

An introduction to academic writing will be provided during the induction period prior to this module.

**Module Learning outcomes:** On successful completion of this module students will achieve the following learning outcomes.

**MO1** Discuss the ethical and legislative frameworks around handling, storing and reporting data, and how data can be used to advocate for changes to policy and practice.

**MO2** Identify and retrieve different sources and types of evidence and data used in population health and recognise their strengths and limitations.

**MO3** Recognise different types of research methods and describe their advantages and disadvantages.

**MO4** Recognise how good quality data and evidence can inform advocacy for health improvement, and key public health messages and advice.

**Hours to be allocated:** 300

**Contact hours:**

Independent study/self-guided study = 228 hours

Face-to-face learning = 72 hours

Total = 300

**Reading list:** The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://readinglists.uwe.ac.uk) via the following link

<https://rl.talis.com/3/uwe/lists/881DDEE9-6B8C-1F2A-EA57-ABE88FAC245C.html?lang=en>

## Part 4: Assessment

**Assessment strategy:** Report (epidemiological report - maximum 3000 words)

Learners are asked to complete an epidemiological report on a health issue. The learners should choose a health topic of interest or applied to their role and describe the routine sources of data for that health issue and the wider determinants of health influencing that health issue. Learners should describe the quality of the data available, identify gaps in the data and identify inequalities.

The learners should explore any ethical issues with collection and management of that data, and should conclude with making informed recommendations for practice.

The purpose of the assessment is to enable learners' knowledge and understanding to be assessed across a wide range of concepts and topics at an introductory level.

Formative assessment during the module includes online quizzes and seminar activities focussed on understanding key concepts introduced in lectures.

This summative assessment will be the first opportunity for students to engage in a written report with a statistical base, it will provide the foundations for further report writing in other modules.

**Assessment tasks:**

**Report (First Sit)**

Description: Report (epidemiological report - maximum 3000 words)

Weighting: 100 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

**Report (Resit)**

Description: Report (epidemiological report - maximum 3000 words)

Weighting: 100 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

**Part 5: Contributes towards**

This module contributes towards the following programmes of study:

Public Health {Apprenticeship-UWE} [Frenchay] BSc (Hons) 2023-24