

In Progress

Please note that this Unit Profile is still in progress. The content below is subject to change.



PBHL20003 *Epidemiology and Statistics*

Term 2 - 2023

Profile information current as at 29/04/2024 03:24 pm

All details in this unit profile for PBHL20003 have been officially approved by CQUniversity and represent a learning partnership between the University and you (our student). The information will not be changed unless absolutely necessary and any change will be clearly indicated by an approved correction included in the profile.

General Information

Overview

This foundation subject introduces you to essential knowledge required in your career as clinician, community health worker, health service administrator or public health practitioner. It introduces epidemiology and statistics concepts and skills that are the cornerstone of public health and evidence-based policy. Epidemiology is the study of the distribution and determinants of health-related states or events in specified populations, and the application of this study to control of health conditions. It addresses the 5Ws: what, who, where, when and why of health-related states (not just diseases!) in populations. We examine health states/events (what), people (who), place/s (where), time (when), and causes, risk factors, and modes of transmission (why/how). The unit provides a foundation for the analysis and interpretation of public health quantitative data and literature. You will learn essential statistical procedures to help understand the nature of disease incidence and prevalence, which forms the basis for public health practice and policy. Data and statistics related to the social determinants of health will be examined, with a focus on ethical principles related to Indigenous Data Sovereignty. You will be introduced to knowledge translation frameworks, and consider their utility in guiding the effective dissemination of epidemiological findings to guide policy and improve health outcomes. Developing these skills will support your future work, whether in clinical, public health, community or policy settings.

Details

Career Level: *Postgraduate*

Unit Level: *Level 8*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

There are no requisites for this unit.

Important note: Students enrolled in a subsequent unit who failed their pre-requisite unit, should drop the subsequent unit before the census date or within 10 working days of Fail grade notification. Students who do not drop the unit in this timeframe cannot later drop the unit without academic and financial liability. See details in the [Assessment Policy and Procedure \(Higher Education Coursework\)](#).

Offerings For Term 2 - 2023

No offerings for PBHL20003

Attendance Requirements

All on-campus students are expected to attend scheduled classes – in some units, these classes are identified as a mandatory (pass/fail) component and attendance is compulsory. International students, on a student visa, must maintain a full time study load and meet both attendance and academic progress requirements in each study period (satisfactory attendance for International students is defined as maintaining at least an 80% attendance record).

Website

[This unit has a website, within the Moodle system, which is available two weeks before the start of term. It is important that you visit your Moodle site throughout the term. Please visit Moodle for more information.](#)

Class and Assessment Overview

Recommended Student Time Commitment

Each 6-credit Postgraduate unit at CQUniversity requires an overall time commitment of an average of 12.5 hours of study per week, making a total of 150 hours for the unit.

Class Timetable

[Regional Campuses](#)

Bundaberg, Cairns, Emerald, Gladstone, Mackay, Rockhampton, Townsville

[Metropolitan Campuses](#)

Adelaide, Brisbane, Melbourne, Perth, Sydney

Assessment Overview

1. **Online Quiz(zes)**

Weighting: 20%

2. **Written Assessment**

Weighting: 40%

3. **Written Assessment**

Weighting: 40%

Assessment Grading

This is a graded unit: your overall grade will be calculated from the marks or grades for each assessment task, based on the relative weightings shown in the table above. You must obtain an overall mark for the unit of at least 50%, or an overall grade of 'pass' in order to pass the unit. If any 'pass/fail' tasks are shown in the table above they must also be completed successfully ('pass' grade). You must also meet any minimum mark requirements specified for a particular assessment task, as detailed in the 'assessment task' section (note that in some instances, the minimum mark for a task may be greater than 50%). Consult the [University's Grades and Results Policy](#) for more details of interim results and final grades.

CQUniversity Policies

All University policies are available on the [CQUniversity Policy site](#).

You may wish to view these policies:

- Grades and Results Policy
- Assessment Policy and Procedure (Higher Education Coursework)
- Review of Grade Procedure
- Student Academic Integrity Policy and Procedure
- Monitoring Academic Progress (MAP) Policy and Procedure – Domestic Students
- Monitoring Academic Progress (MAP) Policy and Procedure – International Students
- Student Refund and Credit Balance Policy and Procedure
- Student Feedback – Compliments and Complaints Policy and Procedure
- Information and Communications Technology Acceptable Use Policy and Procedure

This list is not an exhaustive list of all University policies. The full list of University policies are available on the [CQUniversity Policy site](#).

Previous Student Feedback

Feedback, Recommendations and Responses

Every unit is reviewed for enhancement each year. At the most recent review, the following staff and student feedback items were identified and recommendations were made.

Feedback from Unit Coordinator

Feedback

Assessment structure

Recommendation

Recommended revision of the Assessment structure has been implemented to a) replace the current summative A1 with a formative quiz assessment including substantial feedback; and a structured report requirement for A3 (replacing the current literature review) to focus on current issues in Epidemiology and Statistics.

Feedback from Unit coordinator

Feedback

Strengthened contextualisation of epidemiology and statistics within public health.

Recommendation

Recommend to increase class activity work to address this, in addition to existing course content.

Unit Learning Outcomes

On successful completion of this unit, you will be able to:

1. Demonstrate a foundation level knowledge of epidemiology and statistics and their application in public health.
2. Explain and apply the range of basic statistics essential in epidemiology to understand the patterns of the occurrence of disease, including prevalence and incidence and their use in public health contexts.
3. Critically appraise epidemiological studies at a foundational level, demonstrating an ability to critique study designs, interpret study methods, results and conclusions.
4. Distinguish social epidemiology from traditional epidemiology to understand and explain its contribution to public health practice by focusing on social determinants of health.
5. Apply ethical principles related to Indigenous Data Sovereignty that reflects an awareness of the rights and different ways of knowing of First Nations Peoples when using, collecting, analysing and interpreting epidemiological data.
6. Evaluate and interpret routinely used data in epidemiology and their relevance in the context of public health policy and practice.

Not applicable

Alignment of Learning Outcomes, Assessment and Graduate Attributes

 N/A Level	 Introductory Level	 Intermediate Level	 Graduate Level	 Professional Level	 Advanced Level
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Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes					
	1	2	3	4	5	6
1 - Online Quiz(zes) - 20%	•	•	•			
2 - Written Assessment - 40%	•	•	•			•
3 - Written Assessment - 40%			•	•	•	•

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes					
	1	2	3	4	5	6
1 - Knowledge	○	○	○	○	○	○
2 - Communication	○	○	○	○	○	○
3 - Cognitive, technical and creative skills	○	○	○			○
4 - Research		○	○	○	○	
5 - Self-management			○		○	
6 - Ethical and Professional Responsibility	○	○	○	○	○	○
7 - Leadership		○				○
8 - Aboriginal and Torres Strait Islander Cultures						

Textbooks and Resources

Textbooks

There are no required textbooks.

IT Resources

You will need access to the following IT resources:

Referencing Style

Information for Referencing Style has not been released yet.

This unit profile has not yet been finalised.

Teaching Contacts

Information for Teaching Contacts has not been released yet.

This unit profile has not yet been finalised.

Assessment Tasks

Information for Assessment Tasks has not been released yet.

This unit profile has not yet been finalised.

Academic Integrity Statement

Information for Academic Integrity Statement has not been released yet.

This unit profile has not yet been finalised.