

INFS 3001 ACTIVITY BASED FUNDING/CASEMIX AND DATA QUALITY

Credit Points 10

Legacy Code 300954

Coordinator Jim Basilakis (<https://directory.westernsydney.edu.au/search/name/Jim.Basilakis/>)

Description This subject will introduce students to Activity Based Funding and Casemix within the Australian healthcare system. It is designed to cover a variety of casemix classification systems for acute, non-admitted, sub-acute and mental health patients. Attention will be given to Diagnosis Related Groups (DRGs) with specific reference to the Australian Refined Diagnosis Related Groups (AR-DRGs) and the relationship to Activity Based Funding and purchasing models. Measuring performance with activity data and clinical costing methods will be explored. Emphasis will be placed on the impact of data quality as a critical component in achieving excellence in clinical costing, casemix and patient safety.

School Computer, Data & Math Sciences

Discipline Other Health

Student Contribution Band HECS Band 2 10cp

Check your fees via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

Level Undergraduate Level 3 subject

Pre-requisite(s) PUBH 2004

Assumed Knowledge

Medical terminology and clinical classification.

Learning Outcomes

On successful completion of this subject, students should be able to:

1. Apply casemix classification and grouping systems used in health
2. Explain the current landscape associated with ABF and Purchasing Models including the impact of the NEP, weighting and fee for service
3. Analyse, apply and communicate the relationship between DRGs, administrative/clinical data and episode/casemix funding/payment/revenue systems, including activity based funding
4. Explain the relationship between casemix classification and clinical costing
5. Analyse audits and quality checks for clinical coding, costing and appropriate DRG allocation
6. Evaluate quality and safety principles and theory for quality and performance management in healthcare
7. Comprehend the impact of data quality as a critical component in achieving excellence in clinical costing, casemix, service quality and improved patient safety
8. Discuss the importance of engaging clinicians in outcome analysis and improved performance

Subject Content

1. Introduction to ABF/Casemix and the Australian healthcare system
2. Purchasing Models (NEP, weighting and fee for service)

3. Measuring performance with activity data and engaging clinicians in outcome analysis
4. Costing Standards
5. Acute care classifications and their casemix application
6. Non admitted patients occasions of service: - Ambulatory care classification - Emergency Department activity classification
7. Sub acute care and Mental Health classification
8. Data Quality and its impact on patient safety and service transformation
9. Managing quality and coding consistency including coding audits
10. Managing ABF systems including data collection
11. Management information system design and development

Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Type	Length	Percent	Threshold	Individual/ Group Task	Mandatory
Report	2500 words	35	N	Individual	Y
Report	written report (1000 words) and verbal presentation (15 mins)	35	N	Group	Y
Final Exam	2 hours	30	N	Individual	Y

Teaching Periods

Spring (2025)

Campbelltown

On-site

Subject Contact Jim Basilakis (<https://directory.westernsydney.edu.au/search/name/Jim.Basilakis/>)

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=INFS3001_25-SPR_CA_1#subjects)

Penrith (Kingswood)

On-site

Subject Contact Jim Basilakis (<https://directory.westernsydney.edu.au/search/name/Jim.Basilakis/>)

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=INFS3001_25-SPR_KW_1#subjects)

Online

Online

Subject Contact Jim Basilakis (<https://directory.westernsydney.edu.au/search/name/Jim.Basilakis/>)

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=INFS3001_25-SPR_ON_2#subjects)

Parramatta - Victoria Rd

On-site

Subject Contact Jim Basilakis (<https://directory.westernsydney.edu.au/search/name/Jim.Basilakis/>)

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=INFS3001_25-SPR_PS_1#subjects)