



@HICertification

The Australian Health Informatics Competency Framework: Conceptual Design, Framework Development, and Certification Delivery

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Introduction

- Australia is 10 years into its credentialling program for HI
- Influenced by international programs: AMIA, IMIA and Canada HIA
- Australian Health Informatics Competencies Framework (AHICF v1.0) was launched in 2013 by HISA, AGHI and HIMAA
- AHICF v2.0 the result of significant review to maintain contemporary approach



Methods

- Environmental scan of competency frameworks
 - Included previously referenced, new and other outside HI
- Reviewed competencies: in-person, team-based, online
 - Consensus based draft for review by CHIA Board
 - Included assessment and levelling against Bloom's taxonomy
- Questionnaire bank reviewed to align to revised competencies
 - Automated mapping and small-team review
 - End-to-end review by CHIA EC Chair



Results

- In version 2.0, all competency statements across the six domains, *except* the domain Health Sciences, were deemed to require cognitive competence at Bloom's level of **Applying**, at a minimum.

Domain	Bloom's level		
	Understanding	Applying	Analysing
1) Health Sciences	9		
1) Information Science	1	5	
1) Information Technology	1	2	
1) Leadership and Management		11	
1) Social and Behavioural Sciences		6	
1) Core Health Informatics	1	5	12

Table: Mapping of version 2 of the AHICF to Bloom's Taxonomy



Discussion

The revised AHICF V2.0 Framework:

- supports the increasing importance and recognition of health informaticians through certification and professionalism.
- showcases the maturity of the Australian health informatics sector and has global relevance to other similar frameworks.
- provides the foundations for workforce planning and strategy, at both the individual and organisational level.



Conclusion

- The AHICF guides the healthcare workforce in identifying the required competencies to perform as a health informatician.
- The conceptual foundations in developing the AHICF v1.0 underpinned the comprehensive review which was completed in early 2022
 - including an environmental scan, a review of relevant competency frameworks, and identification of new competencies in the technology, healthcare and management environment.
- The revised competency domains were reviewed against Bloom's Revised Taxonomy and then published as AHICF v2.0.



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