



**CERTIFIED HEALTHTM
INFORMATICIAN
AUSTRALASIA**

Sample Study Plans

Sample Study Plans
Edition 1.0
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This document was produced for the CHIA community. Any future changes will be determined by the Examination Committee and new versions of this document will be produced as a consequence.

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Introduction

The Certified Health Informatician Australasia (CHIA) examination tests a candidate's knowledge of health informatics competencies.

The examination provides for ninety (90) days of self-directed study, with a recommendation to allow for eight (8) hours of study per week to cover the six core domains of expertise which cover an extensive [Health Informatics Competency Framework](#).

Study Plans

A suggested study plan has been provided which candidates can utilise to organise their study time or can modify and adapt to their own study requirements.

The sample study plan has been designed for candidates who may utilise the 90 days in its entirety, with the examination being undertaken 2 weeks prior to the final date that the examination can be undertaken.

The sample study plan provides time for each of the 52 competencies to be reviewed, with time to read through the resources located within either the Examination Study Guide or the textbook [A Practitioners Guide to Health Informatics in Australia](#) and time to undertake the second attempt of the examination if required.

Candidates should consider their own knowledge base and learning style when utilising one of the sample study plans, and factor in that some candidates may need to spend less time on some competencies, or more time on other competencies and so may modify or adapt the sample study plan accordingly.

Study Plan – Examination Study Guide

This sample study plan has been created for CHIA Candidates who are using the provided Examination Study Guide resource to prepare for the CHIA Examination.

Month 1

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	90 Days from today	Information & Communication Technologies Chapter 1.1	Information & Communication Technologies Chapter 1.2	Information & Communication Technologies Chapter 1.3	Information & Communication Technologies Chapter 1.4	Information & Communication Technologies Chapter 1.5
<i>Day off</i>	Health and Biomedical Sciences Chapter 2.1	Health and Biomedical Sciences Chapter 2.2	Health and Biomedical Sciences Chapter 2.3	Health and Biomedical Sciences Chapter 2.4	Health and Biomedical Sciences Chapter 2.5	Health and Biomedical Sciences Chapter 2.6
<i>Day off</i>	Health and Biomedical Sciences Chapter 2.7	Health and Biomedical Sciences Chapter 2.8	Health and Biomedical Sciences Chapter 2.9	Health and Biomedical Sciences Chapter 2.10	Information Sciences Chapter 3.1	Information Sciences Chapter 3.2
<i>Day off</i>	Information Sciences Chapter 3.3	Information Sciences Chapter 3.4	Information Sciences Chapter 3.5	Information Sciences Chapter 3.6	Information Sciences Chapter 3.7	Information Sciences Chapter 3.8
<i>Day off</i>	Management Sciences Chapter 4.1	Management Sciences Chapter 4.2				

Month 2

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			Management Sciences Chapter 4.3	Management Sciences Chapter 4.4	Management Sciences Chapter 4.5	Core Principles & Methods Chapter 5.1
<i>Day off</i>	Core Principles & Methods Chapter 5.2	Core Principles & Methods Chapter 5.3	Core Principles & Methods Chapter 5.4	Core Principles & Methods Chapter 5.5	Core Principles & Methods Chapter 5.6	Core Principles & Methods Chapter 5.7
<i>Day off</i>	Core Principles & Methods Chapter 5.8	Core Principles & Methods Chapter 5.9	Core Principles & Methods Chapter 5.10	Core Principles & Methods Chapter 5.11	Core Principles & Methods Chapter 5.12	Core Principles & Methods Chapter 5.13
<i>Day off</i>	Core Principles & Methods Chapter 5.14	Core Principles & Methods Chapter 5.15	Core Principles & Methods Chapter 5.16	Core Principles & Methods Chapter 5.17	Core Principles & Methods Chapter 5.18	Core Principles & Methods Chapter 5.19
<i>Day off</i>	Core Principles & Methods Chapter 5.20	Human & Social Context Chapter 6.1	Human & Social Context Chapter 6.2	Human & Social Context Chapter 6.3		

Month 3

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					Human & Social Context Chapter 6.4	Revision or Chapter Catchup
<i>Day off</i>	Revision or Chapter Catchup	Revision or Chapter Catchup	Revision or Chapter Catchup	Revision or Chapter Catchup	Revision or Chapter Catchup	Revision or Chapter Catchup
Revision or Chapter Catchup	Revision or Chapter Catchup	Revision or Chapter Catchup	Revision or Chapter Catchup	Revision or Chapter Catchup	First Attempt	<i>Day off</i>
<i>Day off</i>	Revision (if needed)	Revision (if needed)	Revision (if needed)	Revision (if needed)	Revision (if needed)	Revision (if needed)
<i>Day off</i>	Revision (if needed)	Revision (if needed)	Revision (if needed)	Second Attempt (if needed)	End of 90 Days	

Chapters and Competency Checklist

This sample check list can be used to tick off each competency as you complete it.

Competency	Competency	Level	Status
Information and Communication Technologies <i>10 questions</i>	1.1 Basic Knowledge of ICT Concepts	Comprehension	
	1.2 Problem Solving Through ICT	Application	
	1.3 Analysis of Stakeholder Needs along the System Life Cycle	Application	
	1.4 Selection and Use of ICT	Application	
	1.5 Good Practice in the System Life Cycle	Application	
Health and Biomedical Sciences <i>20 questions</i>	2.1 Basic Health and Biomedical Concepts	Comprehension	
	2.2 Data, Information and Knowledge in Health and Biomedicine	Application	
	2.3 Factors Related to Health	Comprehension	
	2.4 Clinical Decision-Making	Knowledge	
	2.5 Models of Care Delivery	Comprehension	
	2.6 Evidence-Based Clinical Practice	Comprehension	
	2.7 Health Administration and Health Services Research	Comprehension	
	2.8 Epidemiology and Basic Research Skills	Comprehension	
	2.9 Clinical Language and Vocabulary	Comprehension	
	2.10 Professional Roles and Resources in Health Organisations	Comprehension	

Competency	Competency	Level	Status	
Information Sciences <i>16 questions</i>	3.1	Applicable Mathematical Concepts	Comprehension	
	3.2	Basic Knowledge of Information System Concepts	Comprehension	
	3.3	Information Theories	Application	
	3.4	Quality Principles across the Information System Lifecycle	Application	
	3.5	Realisation of Benefits from Information Systems	Analysis	
	3.6	Attributes and Limitations of Data and Information	Application	
	3.7	Data Analysis and Visualisation	Application	
	3.8	Identification of Gaps in Data Sources	Analysis	
Management Sciences <i>10 questions</i>	4.1	Project and Change Management	Comprehension	
	4.2	Alignment of Information Systems and Organisational Strategies	Application	
	4.3	Information Cultures and Learning Within Organisations	Application	
	4.4	Good Practice in Process Engineering	Application	
	4.5	Risk Management	Analysis	
Core Principles and Methods <i>40 questions</i>	5.1	History of Health and Biomedical Informatics (HBI) and Analysis of Related Literature	Analysis	
	5.2	Theories of HBI	Comprehension	
	5.3	Conceptual Frameworks in HBI	Application	
	5.4	Knowledge Representation in HBI	Application	
	5.5	Governance of Information Systems in Healthcare	Application	
	5.6	Information Systems to Support Patients	Application	
	5.7	Electronic Health Records	Application	
	5.8	Informatics in Support of Education and Research	Knowledge	
	5.9	Interfacing and Patient Identification	Application	
	5.10	Decision Support Systems	Application	
	5.11	Architectures of Health Information Systems	Analysis	
	5.12	Interoperability and Health Informatics Standards	Application	
	5.13	Integration of Clinical Data and Associated Risks	Application	
	5.14	Clinical Safety and Information Systems	Application	
	5.15	Value of Information Systems and Adoption	Application	
	5.16	Informatics for Participatory Health	Comprehension	
	5.17	New Data Sources and Emerging Technologies	Knowledge	

Competency	Competency	Level	Status
<i>Core Principles and Methods continued</i>	5.18	E-health Applications and Solutions	Application
	5.19	Knowledge Translation in Health	Analysis
	5.20	Areas of Specialisation in HBI	Comprehension
<i>Human and Social Context</i> <i>8 questions</i>	6.1	Technology and Social Aspects	Comprehension
	6.2	The Relevance of Ethical and Legal Issues for Health Informatics	Application
	6.3	Policies, Principles and Guidelines for Health Information Management	Application
	6.4	Usability and Human Factors	Application

Study Plan – A Practitioners Guide to Health Informatics

This sample study plan has been created for CHIA Candidates who have purchased the additional resource [A Practitioners Guide to Health Informatics in Australia](#) and are using this textbook to prepare for the CHIA Examination.

Month 1

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	90 Days from today	Health and Biomedical Sciences Chapter 4	Health and Biomedical Sciences Chapter 5	Health and Biomedical Sciences Chapter 6	Health and Biomedical Sciences Chapter 7	Health and Biomedical Sciences Chapter 8
<i>Day off</i>	Health and Biomedical Sciences Chapter 9	Health and Biomedical Sciences Chapter 10	Health and Biomedical Sciences Chapter 11	Health and Biomedical Sciences Chapter 12	Health and Biomedical Sciences Chapter 13	Information Sciences Chapter 14
<i>Day off</i>	Information Sciences Chapter 15	Information Sciences Chapter 16	Information Sciences Chapter 17	Information Sciences Chapter 18	Information Sciences Chapter 19	Information Sciences Chapter 20
<i>Day off</i>	Information Sciences Chapter 21	Information & Communication Technologies Chapter 22	Information & Communication Technologies Chapter 23	Information & Communication Technologies Chapter 24	Information & Communication Technologies Chapter 25	Information & Communication Technologies Chapter 26
<i>Day off</i>	Management Sciences Chapter 27	Management Sciences Chapter 28				

Month 2

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			Management Sciences Chapter 29	Management Sciences Chapter 30	Management Sciences Chapter 31	Human & Social Context Chapter 32
<i>Day off</i>	Human & Social Context Chapter 33	Human & Social Context Chapters 34 & 35	Core Principles & Methods Chapter 36	Core Principles & Methods Chapter 37	Core Principles & Methods Chapter 38	Core Principles & Methods Chapter 39
<i>Day off</i>	Core Principles & Methods Chapter 40	Core Principles & Methods Chapter 41	Core Principles & Methods Chapter 42	Core Principles & Methods Chapter 43	Core Principles & Methods Chapter 44	Core Principles & Methods Chapter 45
<i>Day off</i>	Core Principles & Methods Chapter 46	Core Principles & Methods Chapter 47	Core Principles & Methods Chapter 48	Core Principles & Methods Chapter 49	Core Principles & Methods Chapter 50	Core Principles & Methods Chapter 51
<i>Day off</i>	Core Principles & Methods Chapter 52	Core Principles & Methods Chapter 53	Core Principles & Methods Chapter 54	Core Principles & Methods Chapter 55		

Month 3

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					Revision (read through Resource Links)	Revision (read through Resource Links)
Day off	Revision (read through Resource Links)	Revision (read through Resource Links)	Revision (read through Resource Links)	Revision (read through Resource Links)	Revision (read through Resource Links)	Revision (read through Resource Links)
Revision (read through Resource Links)	Revision (read through Resource Links)	Revision (read through Resource Links)	Revision (read through Resource Links)	Revision (read through Resource Links)	First Attempt	Day off
Day off	Revision (if needed)	Revision (if needed)	Revision (if needed)	Revision (if needed)	Revision (if needed)	Revision (if needed)
Day off	Revision (if needed)	Revision (if needed)	Revision (if needed)	Second Attempt (if needed)	End of 90 Days	

Chapters and Competency Checklist

This sample check list can be used to tick off each chapter as you complete it.

Competency	Chapter	Competency	Level	Status
Health and Biomedical Sciences 20 questions 10 chapters	4	Basic Health and Biomedical Concepts	2.1	Comprehension
	5	Factors Related to Health	2.3	Comprehension
	6	Clinical Decision-Making	2.4	Knowledge
	7	Evidence-Based Clinical Practice	2.6	Comprehension
	8	Clinical Language and Vocabulary	2.9	Comprehension
	9	Health Administration and Health Services Research	2.7	Comprehension
	10	Models of Care Delivery	2.5	Comprehension
	11	Professional Roles and Resources in Health Organisations	2.10	Comprehension
	12	Data, Information and Knowledge in Health and Biomedicine	2.2	Application
	13	Epidemiology and Basic Research Skills	2.8	Comprehension

Competency	Chapter	Competency	Level	Status
Information Sciences <i>16 questions 8 chapters</i>	14	Applicable Mathematical Concepts	3.1	Comprehension
	15	Basic Knowledge of Information System Concepts	3.2	Comprehension
	16	Information Theories	3.3	Application
	17	Quality Principles across the Information System Lifecycle	3.4	Application
	18	Realisation of Benefits from Information Systems	3.5	Analysis
	19	Attributes and Limitations of Data and Information	3.6	Application
	20	Data Analysis and Visualisation	3.7	Application
	21	Identification of Gaps in Data Sources	3.8	Analysis
Information and Communication Technologies <i>10 questions 5 chapters</i>	22	Basic Knowledge of ICT Concepts	1.1	Comprehension
	23	Problem Solving Through ICT	1.2	Application
	24	Analysis of Stakeholder Needs along the System Life Cycle	1.3	Application
	25	Selection and Use of ICT	1.4	Application
	26	Good Practice in the System Life Cycle	1.5	Application
Management Sciences <i>10 questions 5 chapters</i>	27	Project and Change Management	4.1	Comprehension
	28	Alignment of Information Systems and Organisational Strategies	4.2	Application
	29	Information Cultures and Learning Within Organisations	4.3	Application
	30	Good Practice in Process Engineering	4.4	Application
	31	Risk Management	4.5	Analysis
Human and Social Context <i>8 questions 4 chapters</i>	32	Technology and Social Aspects	6.1	Comprehension
	33	The Relevance of Ethical and Legal Issues for Health Informatics	6.2	Application
	34	Policies, Principles and Guidelines for Health Information Management	6.3	Application
	35	Usability and Human Factors	6.4	Application

Competency	Chapter	Competency	Level	Status	
Core Principles and Methods <i>40 questions 20 chapters</i>	36	History of Health and Biomedical Informatics (HBI) and Analysis of Related Literature	5.1	Analysis	
	37	Theories of HBI	5.2	Comprehension	
	38	Conceptual Frameworks in HBI	5.3	Application	
	39	Knowledge Representation in HBI	5.4	Application	
	40	Information Systems to Support Patients	5.6	Application	
	41	Electronic Health Records	5.7	Application	
	42	Informatics in Support of Education and Research	5.8	Knowledge	
	43	Interfacing and Patient Identification	5.9	Application	
	44	Decision Support Systems	5.10	Application	
	45	Architectures of Health Information Systems	5.11	Analysis	
	46	Interoperability and Health Informatics Standards	5.12	Application	
	47	Integration of Clinical Data and Associated Risks	5.13	Application	
	48	Value of Information Systems and Adoption	5.15	Application	
	49	Governance of Information Systems in Healthcare	5.5	Application	
	50	Clinical Safety and Information Systems	5.14	Application	
	51	Informatics for Participatory Health	5.16	Comprehension	
	52	New Data Sources and Emerging Technologies	5.17	Knowledge	
	53	E-health Applications and Solutions	5.18	Application	
	54	Knowledge Translation in Health	5.19	Analysis	
	55	Areas of Specialisation in HBI	5.20	Comprehension	

Acknowledgements

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Dr Jen Bichel-Findlay, Chair

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