

## Health Information Management Data Analytics Competencies

Domain	Subdomain	Entry level competency task	#	Learning level	Covered by current capabilities
Data analytics	Acquisition	Examines and applies systematic and standardised approaches to accurately collect and synthesise data in structured/unstructured forms through electronic data capture and other measures ensuring implications for analysis are managed.	1	Evaluating/ Creating	
		Applies data quality mechanisms to address issues such missing values, duplicate data, data inconsistent with standards, pattern recognition and other issues that impact on the analytics process.	2	Analysing	
		Utilises knowledge of data sources, collection, and storage methods within and external to the organisation.	3	Evaluating/ Creating	
		Applies data cleansing methods to ensure consistency, validity and to limit unexplained variability in data.	4	Analysing	
	Analysis	Manipulates low complexity data selecting appropriate techniques, to develop analysis relevant to the problem.	5	Creating	
		Understands data analytics terminology and can recognise and apply appropriate statistical and quantitative techniques.	6	Analysing	
		Utilises data sets to assess performance, establish targets, monitor indicators and trends, and determine if deliverables are met.	7	Analysing	
		Evaluates and applies appropriate methodologies, utilises critical thinking, HIM skills and data analytics techniques to interpret data and analyse clinical, business and research problems.	8	Evaluating	
	Visualisation	Transforms data into actionable insights using visualisation techniques to inform clinical and business decisions, applying an understanding of the organisation and relevant context.	9	Analysing	
		Produces data and information that is factual, credible, and understandable to the target audience (both internal and external). Selects the most appropriate technique for visualising information and then synthesizes into visual formats.	10	Analysing/ Evaluating	

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	<b>Governance</b>	Explains governance requirements and ethical use of health care data included in analysis and the principles of information governance including privacy and security requirements.	11	Evaluating	
		Develops and implements data analytics policies and procedures within the organisation.	12	Applying/ Creating	