What is the Certified Health Record Analyst (CHDA)?

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NYHIMA
AHIMA Affiliate
New York Health Information Management Association

Exam specifics; how long is it, how do I apply, etc.?

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- Number of Questions on Exam: 150
- Exam Time: 3.5 hours – no breaks

DOMAIN 1

Data Management (30-34%)

Domain 1 Tasks

1. Assist in the development and maintenance of the data architecture and model to provide a foundation for database design that supports the business' needs
2. Establish uniform definitions of data captured in source systems to create a reference tool (data dictionary)
3. Formulate validation strategies and methods (i.e., system edits, reports, and audits) to ensure accurate and reliable data

Domain Tasks 1 - Continued

4. Evaluate existing data structures using data tables and field mapping to develop specifications that produce accurate and properly reported data
5. Integrate data from internal or external sources in order to provide data for analysis and/or reporting
6. Facilitate the update and maintenance of tables for organization's information systems in order to ensure the quality and accuracy of the data

DOMAIN 2

Data Analytics (35-39%)

Domain 2 Tasks

1. Analyze health data using appropriate testing methods to generate findings for interpretation
2. Interpret analytical findings by formulating recommendations for clinical, financial, and operational processes
3. Validate results through qualitative and quantitative analyses to confirm findings

DOMAIN 3

Data Reporting (29-33%)

Domain 3 Tasks

1. Design metrics and criteria to meet the end users' needs through the collection and interpretation of data
2. Generate routine and ad-hoc reports using internal and external data sources to complete data request

Domain 3 Tasks - Continued

3. Present information in a concise, user-friendly format by determining target audience needs to support decision processes
4. Provide recommendations based on analytical results to improve business processes or outcomes

Eligibility

Individuals who earn the CHDA designation will achieve recognition of their expertise in health data analysis and validation of their mastery of this domain. This prestigious certification provides practitioners with the knowledge to acquire, manage, analyze, interpret, and transform data into accurate, consistent, and timely information, while balancing the “big picture” strategic vision with day-to-day details. CHDA-certified professionals will exhibit broad organizational knowledge and the ability to communicate with individuals and groups at multiple levels, both internal and external.

Eligibility - Continued

CHDA candidates must meet one of the following eligibility requirements for the Certified Health Data Analyst examination:

- Associate's degree and minimum of five (5) years of healthcare data experience
- Healthcare information management credential (RHIT) and minimum of three (3) years of experience in healthcare data experience

Eligibility - Continued

- Baccalaureate degree or higher and a minimum of three (3) years of healthcare data experience;
- Healthcare information management credential (RHIA) and minimum of one (1) year of experience in healthcare data experience
- Master's or related degree (JD, MD, or PhD) and one (1) year of experience in healthcare data experience

What would a curriculum look like for this specialty?

Domain I. Data Content, Structure and Standards (Information Governance)
DEFINITION: Academic content related to diagnostic and procedural classification and terminologies; health record documentation requirements; characteristics of the healthcare system; data accuracy and integrity; data integration and interoperability; respond to customer data needs; data management policies and procedures; information standards.

What would a curriculum look like for this specialty?

Subdomain I.C. Data Governance		Knowledge of:
1. Take part in the development and maintenance of the data architecture and model to provide a foundation for database design that supports the business' needs.	4	• Relationship between the data and the organization's strategic goals and priorities. • Data models (conceptual, logical, and physical) • Basic knowledge of various architecture platforms (ie. Oracle, SQL server) • Relational database structure (primary key, secondary key) • Database language (SQL, XML, etc)
1. Evaluate existing data structures using data tables and field mapping to develop specifications that produce accurate and properly reported data.	5	• Standard administrative healthcare data (ie UB-04, CMS form 1500) • Classification systems data (ie ICD, CPT, SNOMED-CT, LOINC) • Conduct Needs analysis

What would a curriculum look like for this specialty?

Subdomain I.D. Data Management		Knowledge of:
1. Formulate validation strategies and methods (i.e., system edits, reports, and audits) to ensure accurate and reliable data.	6	• Systems testing (integration, load, interface, user acceptance) • Industry standards (regulatory requirements) • Best practices for auditing (audit guidelines, system audit trails, and audit logs) • Communication tools to share outcomes • Align outcomes with organizational performance improvement initiatives
2. Facilitate the update and maintenance of tables for organization's information systems in order to ensure the quality and accuracy of the data.	4	• Applicable data standards (ie. ASTM, CDISC, HL7) • Source systems (HIS systems, pharmacy, radiology, financial, etc.) • Reference classifications/terminology systems and industry data sets requirements (ICD, CPT, UB-04, revenue codes, etc) • Classification systems and their history (ie retirement of codes and their allowed reuse with new descriptors) • Structure of the data tables • Scheduled updates of source system content • Design action plans for coordination • Industry standard maps between classification systems.

What would a curriculum look like for this specialty?

Subdomain I.E. Secondary Data Sources		Knowledge of:

1. Integrate data from internal or external sources in order to provide data for analysis and/or reporting.	6	• Data sources primary/secondary
		  ○ UHDDS, HEDIS, OASIS
		• Specialized data collection systems (HIS systems, pharmacy, radiology, financial, etc)
		• Registries
		• Relational database structure (primary key, secondary key)
		• Software applications
		• External data reporting requirements:
		  ○ TJC
		  ○ CMS
		  ○ CDC
		  ○ State DoH
		  ○ Payers

What would a curriculum look like for this specialty?

Domain III. Informatics, Analytics and Data Use
Definition: Creation and use of Business health intelligence; select, implement, use and manage technology solutions; system and data architecture; interface considerations; information management planning; data modeling; system testing; technology benefit realization; analytics and decision support; data visualization techniques; trend analysis; administrative reports; descriptive, inferential and advanced statistical protocols and analysis; IRB; research; patient-centered health information technologies; health information exchange; data quality

What would a curriculum look like for this specialty?

Subdomain III.C. Analytics and Decision Support		Knowledge of:

1. Interpret analytical findings by formulating recommendations for clinical, financial, and operational processes.	5	• Analytics and decision support
		  ○ Data visualization, dashboard, data capture tools and technologies
		  ○ Quality standards, processes, and outcome measures
		  ○ Risk adjustment techniques
		  ○ Business processes (ie workflow, system limitations, regulatory and payor guidelines)
		  ○ Industry standard terms of clinical, financial, and operational data

1. Ensure results through qualitative and quantitative analyses to confirm findings.	5	• Source data content and field attributes • Qualitative and quantitative analysis techniques • Healthcare operations to improve clinical and financial outcomes
1. Perform routine and ad-hoc reports using internal and external data sources to complete data requests.	4	• Database programs such as Access or SQL Server • Basic understanding of database query syntax (such as SQL) • Basic understanding of SAS, or SPSS procedures • Data presentation techniques (ie graphic tools, excel)

What would a curriculum look like for this specialty?

Subdomain III.D. Health Care Statistics		Knowledge of:
1. Analyze health data using appropriate testing methods to generate findings for interpretation.	4	• Mean, frequency, percentile, standard deviation • Appropriate use of data mining techniques

What would a curriculum look like for this specialty?

Subdomain III.E. Research Methods		Knowledge of:
1. Design metrics and criteria to meet the end users' needs through the collection and interpretation of data.	6	• Standard healthcare data sets • Classification systems and clinical vocabularies and nomenclature (ICD, CPT, HCPC, LOINC, SNOMED-CT, NCD, etc.) • Basic principles of clinical, financial, and operational data • Quality standards and outcome measures • Meta-analyses • Longitudinal/cross-sectional studies

What would a curriculum look like for this specialty?

Subdomain VI.F. Strategic and Organizational Management		Knowledge of:
1. Format information in a concise, user-friendly format by determining target audience needs to support decision processes.	4	• Strategic and organizational management • Workflow and process monitors • Resource allocation • Outcomes measures and monitoring • Corporate compliance and patient safety • Risk assessment • Customer satisfaction • Internal and external
2. Recommend solutions based on analytical results to improve business processes or outcomes.	5	• Information and data strategy methods and techniques • Data and information stewardship • Critical thinking skills

What would a curriculum look like for this specialty?

Subdomain VI.I. Project Management		Knowledge of:
1. Interpret project management methodologies	5	• Project management methodologies ○ PMP
Subdomain VI.K. Enterprise Information Management		**Knowledge of:**
1. Create uniform definitions of data captured in source systems to create a reference tool (data dictionary)	6	• Applicable data standards (ie., ASTM, CDISC, HL7) • Reference classification/terminology systems and industry data sets requirements (ICD, CPT, UB-04, SNOMED-CT, LOINC)

What would a curriculum look like for this specialty?

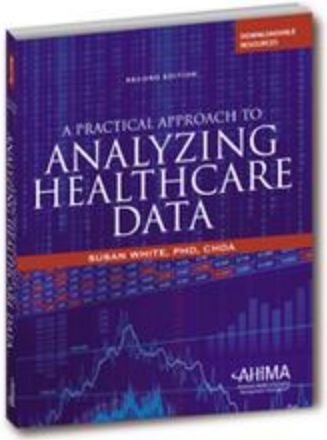
Supporting Body of Knowledge (Pre-requisite or Evidence of Knowledge)		
Pathophysiology and Pharmacology		
Anatomy and Physiology		
Medical Terminology		
Computer Concepts and Applications		

Preparation

How should I prepare for the exam – what books/resources are available?

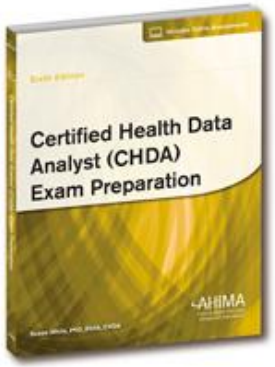
Publications

"A Practical Approach to Analyzing Healthcare Data" book



Publications

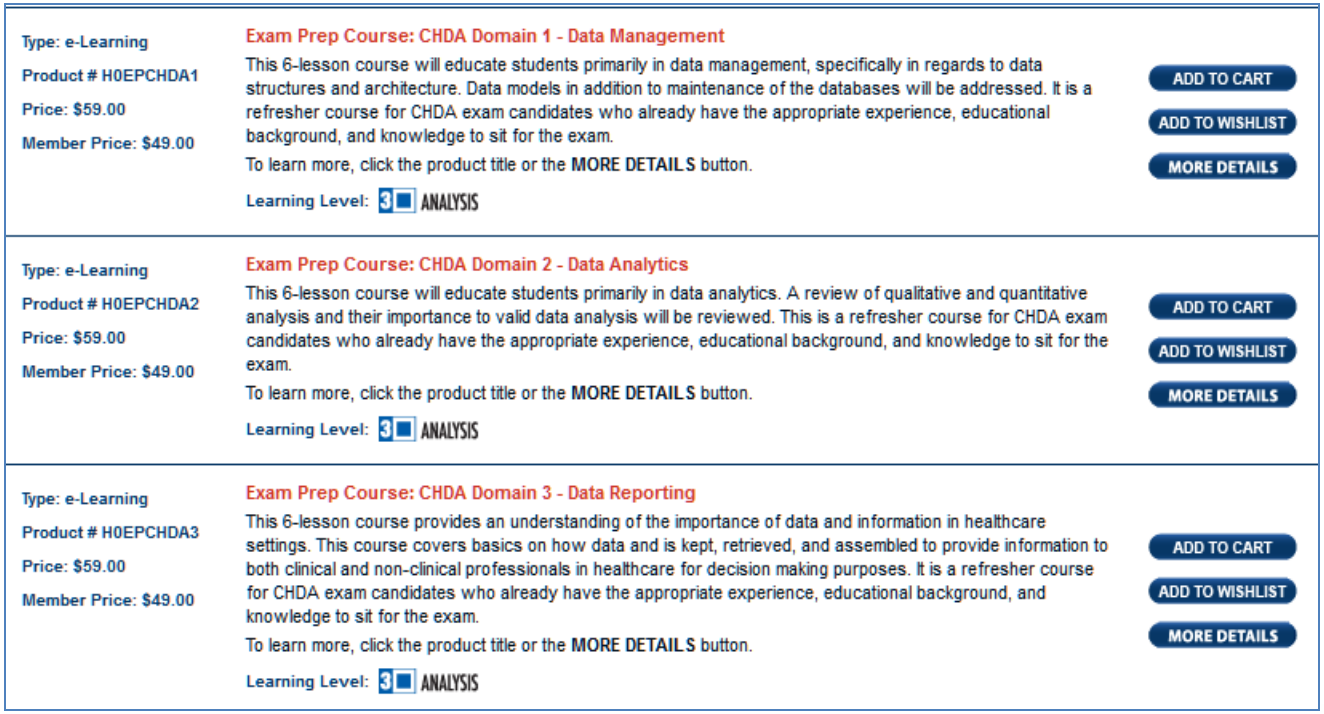
CHDA Exam Prep Book (supplemental)



Online Courses

3 CHDA Exam Prep Courses

www.ahimastore.org (search “CHDA”)



Type: e-Learning
Product # H0EPCHDA1
Price: $59.00
Member Price: $49.00

Exam Prep Course: CHDA Domain 1 - Data Management

This 6-lesson course will educate students primarily in data management, specifically in regards to data structures and architecture. Data models in addition to maintenance of the databases will be addressed. It is a refresher course for CHDA exam candidates who already have the appropriate experience, educational background, and knowledge to sit for the exam.

To learn more, click the product title or the **MORE DETAILS** button.

Learning Level: 3 ANALYSIS

ADD TO CART
ADD TO WISHLIST
MORE DETAILS

Type: e-Learning
Product # H0EPCHDA2
Price: $59.00
Member Price: $49.00

Exam Prep Course: CHDA Domain 2 - Data Analytics

This 6-lesson course will educate students primarily in data analytics. A review of qualitative and quantitative analysis and their importance to valid data analysis will be reviewed. This is a refresher course for CHDA exam candidates who already have the appropriate experience, educational background, and knowledge to sit for the exam.

To learn more, click the product title or the **MORE DETAILS** button.

Learning Level: 3 ANALYSIS

ADD TO CART
ADD TO WISHLIST
MORE DETAILS

Type: e-Learning
Product # H0EPCHDA3
Price: $59.00
Member Price: $49.00

Exam Prep Course: CHDA Domain 3 - Data Reporting

This 6-lesson course provides an understanding of the importance of data and information in healthcare settings. This course covers basics on how data and is kept, retrieved, and assembled to provide information to both clinical and non-clinical professionals in healthcare for decision making purposes. It is a refresher course for CHDA exam candidates who already have the appropriate experience, educational background, and knowledge to sit for the exam.

To learn more, click the product title or the **MORE DETAILS** button.

Learning Level: 3 ANALYSIS

ADD TO CART
ADD TO WISHLIST
MORE DETAILS

Exam Prep Workshops

Face to Face Workshops:

- July 16-17 in Austin, Texas prior to FDI/AOE https://www.ahimastore.org/ProductDetailMeeting.aspx?ProductID=18005
- September 26-27 in New Orleans, LA prior to AHIMA Convention https://www.ahimastore.org/ProductDetailMeeting.aspx?ProductID=18009

What is Value Add?

- The CHDA is the first, and only Data Analysis credential in healthcare today.
- Knowing how and where data analysis and analytics are used in the emerging healthcare industry
- The ability to influence and educate others on what is “meaningful” data and information

Questions?