

Health Informatics Exam

Number of questions on exam:

110 multiple-choice (100 scored/10 pretest)

Exam Time: 2.5 hours – Any breaks taken will count against exam time

Domain 1 – Data Analysis and Utilization (13-17%)

Tasks:

1. Gather report framework requirements
2. Obtain data
3. Aggregate data
4. Validate/audit data
5. Manipulate data
6. Interpret data
7. Interpret trends or patterns in data sets
8. Work with management to prioritize business or information needs
9. Conduct research with healthcare data to evaluate quality or efficacy of health or health technology-related outcomes or services

Domain 2 – Data Reporting (13-17%)

Tasks:

1. Identify data sources
2. Conduct data mining
3. Extract data from identified sources
4. Standardize data
5. Build data reports
6. Design reports
7. Ensure standardization of templates and reports

Domain 3 – Data Management, Privacy, and Security (18-22%)

Tasks:

1. Secure data
2. Assist in defining access
3. Maintain access levels
4. Monitor access activities
5. Ensure data is mapped to schema

6. Apply integrity rules to ensure data
7. Submit reports to regulatory agencies
8. Perform security risk assessments
9. Manage the HIE
10. Assist in ROI
11. Deidentify PHI

Domain 4 – Management of Health Information Systems and Processes (18-22%)

Tasks:

1. Identify workflow processes
2. Implement workflow processes
3. Design or customize templates
4. Translate workflow into EHR configuration
5. Document clinical workflow
6. Examine workflow compatibility with EHR systems
7. Work with organizational leadership to improve information processes
8. Build interfaces with other applications internally and externally

Domain 5 – Database Management (8-12%)

Tasks:

1. Analyze database to ensure accuracy and completeness
2. Define healthcare related data structures
3. Develop terminology and taxonomy of health information systems
4. Ensure data meets industry or regulatory standards
5. Develop queries for recurring data extraction from database
6. Scrub data

Domain 6 – Informatics Training (8-12%)

Tasks:

1. Train clinicians on documentation
2. Train help desk personnel on delegated tasks
3. Identify documentation error trends/deficiencies
4. Train users on efficient use of health information systems

Domain 7 – Project Management (8-12%)

Tasks:

1. Participate in the development of the project plan
2. Participate in the allocation of the project budgets
3. Integrate informatics into organizational workflow
4. Define the scope of the impact
5. Plan testing requirements
6. Participate in go/no go decisions
7. Coordinate implementation
8. Define support requirements
9. Develop test cases
10. Identify system resource requirements