Health information standard conformance test system

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Content

- Summary of background
- System introduction
- The scope and basis for measurement
- Work planning
CIMICS as DICOM organization founded in China, it is a bridge that integrated domestic and international DICOM organization. CIMICS cling to UESTC University of Electronic Science and Technology of China (UESTC) University-based support, standard tracking, learning and research.

CIMICS as the China Committee of the international DICOM standard, UESTC Multimedia Technology Co., Ltd. Chengdu Goldisc promote the application of DICOM standard in the market.
1. Summary of background
CONTENT

- Context
- System Introduction
- The scope and basis for evaluation
- Work plans
Health Information Standards Conformance Test System is a scientific software systems of evaluation which mainly tests the ability of exchanging and sharing medical information in cross-system, cross-agency and cross-region. Through the test, it can promote the standardization of regional information platform based on standards of health records and the standardization of hospital information system based on EHR, and it also can provide standards compliance for interoperability in different information system of hospital and multi-level platforms of the state, provinces and cities.

The platform reference to "Electronic health records and regional health information platform for standards compliance test specification." (draft) and "Electronic medical records and hospital information platform standards compliance test specification."(draft) enacted by National Health and Family Planning Commission which conform to the relevant national standards and industry regulations.
System Introduction—— Logical structure

The tested agencies | Evaluation agencies | Management agencies

Health Information Standards Conformance Test System

System functions

- Standard management
- Test case management
- Application management
- Executive management
- Defect management
- Project management
- Configuration management

Data set | Share Documents | Platform Services | Data set | Share Documents | Platform Service | Data set

EHR

- Standard Library
- Test case Library

EMR

- Project Library
- Dictionary Library
- Template Library

Health information standards compliance test platform accessing layer

Regional Health Information Platform

Hospital Health Information Platform

PACS, Imaging Equipment
2. System Introduction - Function characteristics

1. Automated test: The remote self testing, formal evaluation test full automation, automatic test case, test data generation, test results verify auto contrast.


3. Full coverage test: Dataset test of EHR and EMR, the sharing document test of HER and EMR, Full coverage test of regional platform, hospital platform services and DICOM Chinese standards; the test data generation full coverage: code type data element value of full coverage, non code type data element values of the random generation.

4. Flexibility test: Test method and test process can be configured by the test case; test data standard value, intelligent generation super boundary value, realize the positive test and reverse test.

5. Traceability test: The test case, test data automatic storage, to achieve traceability, repeatable test.


7. Open, configurable: The test template, data dictionary can increase and can be maintained.

8. Multi-role management: Management agencies to apply for institutions, multi-role management, detection mechanism to control the test process.
The main content

- Background Introduction
- System Introduction
- Scope and Basis for Evaluation
- Work planning
### Evaluation basis

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<th>Evaluation basis</th>
<th>Description</th>
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<td>1. WS 363-2011</td>
<td>Health information data element directory (all)</td>
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<td>2. WS 364-2011</td>
<td>Health information data element code (all)</td>
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<td>3. WS 365-2011</td>
<td>The basic data set of health records of residents in urban and rural areas</td>
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<td>4. WS 375.9-2012</td>
<td>The basic data set of disease control The ninth part: Medical certificate of death</td>
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<td>5. WS 376.1-2013</td>
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<td>6. WS XXX-XXXX</td>
<td>Health records sharing document specification (all)</td>
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<td>7. WS XXX-XXXX</td>
<td>The technical specification of regional health information platform based on resident health records</td>
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<td>8. WS/T XXX-XXXX</td>
<td>The interface specification of resident health archives and regional health information platform</td>
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<td>9. WS 445-2014</td>
<td>The basic data set of EMR (all)</td>
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<td>10. WS XXXXX-XXXX</td>
<td>The sharing document specification of the electronic medical record</td>
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<td>11. WS/T XXXXX-XXXX</td>
<td>The specification for hospital information platform technology based on electronic medical record</td>
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<td>12. WS/T XXXXX-XXXX</td>
<td>The interaction specification of electronic medical record and health information platform of hospital</td>
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<td>16. 2009-16-01</td>
<td>Chinese package of medical digital imaging and communication specification</td>
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<td>17. 2011-15-84</td>
<td>The basic data set of digital imaging and communication in medicine</td>
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<td>18. GB 3304</td>
<td>Ethnic category code table</td>
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<td>19. GB/T 6565-2009</td>
<td>Classification of occupation and code</td>
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3. Evaluation basis and scope—

**Evaluation scope**

- The basic data set of electronic health records (22个)
- The sharing documents of electronic health record (20个)
- Regional platform service (20个)
- The basic data set of EMR (55个)
- The sharing documents of electronic medical record (53个)
- Hospital information services platform (32个)

**Health information standard conformance test system**

- The standard test of electronic health record
- The electronic medical record standard test
- The basic data set of digital imaging and communication in medicine
- DICOM Chinese Standard Test

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Main contents

- Background
- System introduction
- Evaluation basis and scope
- Work planning
4. Work Plan

DICOM Standard Conformance Test
In Chinese-Test Content

Medical Image Modalities
- C-store

Medical Image System
- Work list

Input and Output
4. Work Plan

DICOM Standard Conformance Test
In Chinese—Develop Pattern

The Certificate of Authorization Of
Medical Digital Image
Communication Conformance Test In
Chinese

Engineering Laboratory

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4. Work Plan

DICOM Standard Conformance Test
In Chinese - Apply Demonstrate

- Health Informatics Center Of Sichuan
- Health Expert Of Medical To Review
- Medical Equipment Manufacturers PACS and RIS Manufacturers Demonstrated Hospital...

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Thank You!

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