

Health Informatics



Health Science Event

Eligible Divisions: Secondary & Postsecondary / Collegiate	Round 1: IN PERSON TESTING 50 Q test in 60 minutes
Solo Event: 1 competitor	

**This event will take place as a written test at SLC
Refer to Conference Agenda for assigned testing time**

Event Summary

The Health Informatics test will assess knowledge and skills related to health information systems, analysis of healthcare data and information, and clinical research processes. This competitive event consists of a written test. In the event of a tie, the essay will be judged to break the tie. It aims to inspire members to learn more about this field.

Dress Code

Proper business attire or official HOSA uniform.

Competitors Must Provide:

- [Photo ID](#)
- Two #2 lead pencils (not mechanical) with eraser
- Basic handheld calculators (no graphing calculators) for addition, subtraction, division, multiplication, and square root calculations

General Rules

1. Competitors must be familiar with and adhere to the [General Rules and Regulations](#).
2. Additional Opportunity:
The HOSA Scholarship program has funding available for HOSA members who have an interest in health information careers! The application process begins January 1, 2026 and can be found here: <https://hosa.org/scholarships/>

Official References

3. The references below are used in developing the test questions:
 - a. [Zhou & Clack. Introduction to Healthcare Informatics. AHIMA Press. Latest edition.](#)
 - b. [White, Susan. A Practical Approach to Analyzing Healthcare Data. AHIMA Press. Latest edition.](#)

Written Test

4. [Test Instructions](#): The written test will consist of 50 multiple-choice items in a maximum of 60 minutes.
5. One essay question will be administered with the original test.

6. Test Plan

The test plan for the Health Informatics Test is:

- History, Careers, and Roles - 8%
- Information Systems in Healthcare - 12%
- Data Analytics - 28%
- Data Integrity and Quality - 8%
- Data Governance - 12%

- Health Information Privacy & Security - 12%
- Ethics - 4%
- Research Study and Design - 12%
- Emerging Technologies - 4%

7. The test will include case studies, clinical trials, and EHRs. It will assess knowledge and skills related to analyzing background data and information, data entry and retrieval, and risk measures and calculations. A series of multiple-choice questions related to the data will be included.

8. Sample Test Questions

1. An entry-level _____ position includes identifying data problem areas and conducting research to determine the best course of action and analyze and solve issues with legacy, current, and planned systems as they relate to the integration and management of patient data.
(White pp 14)
 - A. Health information
 - B. Electronic health record
 - C. Health data analyst**
 - D. Medical analyst
2. The automated or manual sharing of data between disparate EHR or PHR platforms is called:
(Zhou pp 17)
 - A. Sharecare.
 - B. A Clinical information system platform.
 - C. Interface sharing.
 - D. Interoperability.**
3. The process of bringing together and summarizing large amounts of data from multiple sources is: (Zhou pp 458)
 - A. Data consolidation.**
 - B. Data manipulation.
 - C. Purging.
 - D. Developing a data dictionary.

Final Scoring

9. In the event of a tie, the essay will be judged to break the tie.

International Leadership Conference (ILC) qualifiers

Go to <https://hosa.org/guidelines/> for specifics about this competitive event at ILC.
June 17-20, 2026 – Indianapolis Convention Center, Indianapolis, IN