

Event Category: Health Science.....

Eligible Divisions: Secondary, Postsecondary/ Collegiate	Round One: In Person Testing Written 50 Q test (60 minutes)	Digital Upload: NO
Solo Event: 1 competitor	Competitors MUST BRING basic handheld calculators (no graphing calculators) for addition, subtraction, division, multiplication, and square root	

This event will take place as a written test at SLC (Thursday, March 18th)

Refer to the 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.

General Event Information

General Rules	Competitors must be familiar with and adhere to the General Rules and Regulations .
Dress Code	HOSA's Official Uniform or HOSA Business Dress. Appendix D
Competitors Must Provide	Photo ID Basic handheld calculator (no graphing calculators) for addition, subtraction, division, multiplication, and square root - Two #2 lead pencils (not mechanical) with an eraser - Neon colored foam earplugs, NOT earbuds, for noise control (optional) HOSA Conference Staff will provide equipment and supplies listed in Appendix I .
Official References	The references below are used in developing the test questions: Zhou & Clack. Introduction to Healthcare Informatics. AHIMA Press. Latest edition. White, Susan. A Practical Approach to Analyzing Healthcare Data. AHIMA Press. Latest edition.

ROUND ONE- Test

Test Instructions	All competitors will be given a test and test answer sheet. The written test will consist of 50 multiple choice questions in a maximum of 60 minutes. See test instructions here . An essay tiebreaker question will be administered with the original test. Essay tiebreakers will be completed on the back of the test answer sheet.
Time Remaining Announcements	There will be NO verbal announcements for time remaining during SLC testing. All SLC testing will be completed in the Testing Center, and competitors are responsible for monitoring their own time.

Written 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% 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. At the International Leadership Conference, HOSA will provide basic handheld calculators (no graphing calculators) for addition, subtraction, division, multiplication, and square root calculations. Personal calculators are NOT allowed.
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

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 22-25, 2027, Pennsylvania Convention Center in Philadelphia, Pennsylvania

High School/Post-Secondary/Collegiate Seniors

Don't wait until you graduate to join the HOSA alumni network! Graduating from high school or completing your postsecondary/collegiate program does not mean your HOSA journey has to end. As a HOSA member, you are eligible to become a HOSA Lifetime Alumni Member- a free and valuable opportunity to remain connected, give back, and help to shape the future of the organization. Learn more and sign up at hosa.org/alumni.

SC HOSA Scholarship

Application: <https://www.schosa.org/students/scholarships/>

Application Window Opens: December 1, 2026

Application Deadline: February 1, 2027

National HOSA Scholarship

Scholarship program has funding available for HOSA members who have an interest in various health careers! The application process begins January 1, 2027, and can be found here: <https://hosa.org/scholarships/>.