

Health Informatics



New for 2022 – 2023

A new edition of *Health Informatics Practical Guide* has been released.

Health Informatics an Interprofessional Approach has been retired.

Today's Health Information Management: An Integrated Approach has been added.

There will be NO verbal announcements during testing.

Event Summary

Health Informatics provides members with the opportunity to gain knowledge and skills regarding the management of health information and the assimilation of technology in healthcare. This competitive event consists of a written test with a tiebreaker essay question and aims to inspire members to learn about concepts related to the study of informatics.

Dress Code

Competitors must be in official HOSA uniform or in proper business attire. Bonus points will be awarded for [proper dress](#).

Competitors Must Provide:

- [Photo ID](#)
- Two #2 pencils (not mechanical) with eraser

General Rules

1. Competitors in this event must be active members of HOSA-Future Health Professionals and in good standing.
2. **Eligible Divisions:** Secondary and Postsecondary/Collegiate divisions are eligible to compete in this event.
3. Competitors must be familiar with and adhere to the [“General Rules and Regulations of the HOSA Competitive Events Program \(GRR\).”](#)
 - Per the [GRRs #11](#) and [Appendix H](#), HOSA members may request accommodation in any competitive event. To learn the definition of an accommodation, please read [Appendix H](#). To request accommodation for the International Leadership Conference, [submit the request form here](#) by May 15 at midnight EST.
 - To request accommodation for any regional/state level conferences, please work with your local and state advisor directly. Accommodations must first be done at state in order to be considered for ILC.
4. All competitors shall report to the site of the event at the time designated for each round of competition. At ILC, competitor's [photo ID](#) must be presented prior to ALL competition rounds.

Official References

5. All official references are used in the development of the written test.
6. [Hoyt, Robert E. and William R Hersh. *Health Informatics Practical Guide*. Informatics Education, Latest edition.](#)
7. [McWay, Dana C. *Today's Health Information Management An Integrated Approach*. Cengage, Latest edition.](#)

Written Test

8. [Test Instructions](#): The written test will consist of 75 multiple choice items in a maximum of 90 minutes.
9. **Time Remaining Announcements**: There will be NO verbal announcements for time remaining during ILC testing. All ILC testing will be completed in the Testing Center and competitors are responsible for monitoring their own time.
10. One essay question will be administered with the written test. In case of a tie, the essay question will be judged and used to break the tie.
11. The test plan and resources for Health Informatics:
 - History, Careers and Roles..... 5%
 - Healthcare Data and Analytics..... 10%
 - Electronic Health Records, Information Exchange & Retrieval..... 12%
 - Health Information Privacy & Security..... 5%
 - Health Information Ethics & Governance..... 5%
 - Patient Safety & Consumer Health Information..... 11%
 - Information Systems In Healthcare Delivery..... 10%
 - Evidence Based Clinical Practice..... 12%
 - Application: EBM Case Studies & Clinical Trials;
 - EHR Data Entry, Retrieval & Analysis..... 30%
12. Case studies, clinical trials, and EHRs will be a part of the test. The test will assess knowledge and skills related to the analysis of 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.
13. At the International Leadership Conference, HOSA will provide basic handheld calculators (no graphing calculators) for addition, subtraction, division, multiplication, and square root calculations.
14. All competitors will receive two (2) 8.5x11" sheets of blank paper for use during the test.
15. **Sample Test Questions**
 1. In e-discovery spoliation refers to: (McWay pp 88 - 89)
 - A. unseen information in common computer files.
 - B. preserving relevant electronic evidence.
 - C. wrongful destruction or material alteration of evidence.**
 - D. undue burden.
 2. Which discipline is defined as the management of healthcare data and information through the application of computers and other information technologies? (Hoyt/Hersh pp 2)
 - A. Clinical Informatics
 - B. Bioinformatics
 - C. Public Health Informatics
 - D. Health Informatics**

3. Parkinson's disease is best described in medical language as a(n): (McWay pp 205)
- A. **eponym.**
 - B. clinical vocabulary.
 - C. nomenclature.
 - D. clinical terminology.

Final Scoring

16. The competitor should write his/her answer to the tiebreaker essay question on the tiebreaker page of the test that remains attached to the original test.
17. Final rank is determined by the test score. In case of a tie, the essay question will be used to determine the rank.