

Physician Assistant- Medical Case Challenge



Event Category: Health Professions.....

Eligible Divisions: Secondary & Postsecondary/ Collegiate	Round One: Online 50 Q test (60 minutes)	Digital Upload: NO
Team Event: 2 competitors	Round Two: Patient Case Review (15 minutes) + Presentation (5 minutes)	Presentation Materials: Notes from case review prep

Round 1 will take place during the SLC Online Testing Window

February 24th - March 2nd (8am-6pm)

- ✓ Chapter advisors will coordinate testing time and location for the online testing session within the designated testing window.
- ✓ Chapter advisor must designate a proctor for the testing session that does not have content knowledge related to any HOSA event ensuring the integrity of the competitive events program.

Event Summary

The Physician Assistant (PA) competitive event allows HOSA members to gain knowledge and assessment techniques needed for a career in the PA profession. This event consists of two rounds, and each team consists of two people. For SLC, Round One will consist of an online multiple-choice test, and the score will be used to determine which teams qualify for Round Two. In Round Two teams will review case documentation to determine a diagnosis and develop an appropriate treatment plan for the patient.

General Event Information

General Rules	Competitors must be familiar with and adhere to the General Rules and Regulations .
Dress Code	● Round One: The Chapter Advisor will determine the dress code requirements for all SLC online testing events. ● Round Two: HOSA's official uniform or HOSA Business Dress 26-27 HOSA Appendix D Dress Code FINAL .docx
Competitors Must Provide	● Photo ID for Round 2 ● Copy of textbook (optional) HOSA Conference Staff will provide equipment and supplies listed in Appendix I .
Official References	● Papadakis, Rabow, McQuaid, Nadler, and Price. Current Medical Diagnosis & Treatment 2026. McGraw Hill. Latest Edition. ● MedlinePlus

ROUND ONE- Test

Test Instructions	The online test will consist of 50 multiple-choice items in a maximum of 60 minutes.
Online Test Plan	The written test for Medical Case Challenge is: • Disease Process & Terminology (includes cancer & neoplasms)- 10% • Body Systems: ○ Integumentary - 4% ○ Musculoskeletal - 6% ○ Circulatory & Lymphatic - 10% ○ Respiratory - 6% ○ Digestive - 10% ○ Endocrine - 6% ○ Nervous & Senses - 8% ○ Reproductive - 4% ○ Urinary - 4% ○ Mental Disorders - 6% • Patient Assessment- 12% • Diagnosis- 14%
Sample Test Questions	- Kidneys contain millions of tiny structures called what? (https://medlineplus.gov/kidneydiseases.html) A. Cysts B. Ureters C. Nephrons D. Calyx - Which one of these diseases are Antibody Serology Tests not used to detect? (https://medlineplus.gov/lab-tests/antibody-serology-tests/) A. Hepatitis B. Cancer C. Osteoporosis D. Severe autoimmune disorders - A patient might have a Uvulopalatopharyngoplasty (UPPP) to treat what condition? (https://medlineplus.gov/ency/article/007663.htm) A. Impacted molar B. Sleep apnea C. Cavity D. Canker sores

ROUND TWO- The Case Review & Presentation

1. The top teams from Round One will advance to Round Two. The number of advancing teams will be determined by the scores obtained in Round One and the space and time available for Round Two. Round Two finalists will be posted on the conference app and HOSA SLC website.
2. The team will be supplied with supporting documents for a selected complex medical case.
3. The team will be allowed to use their textbook and all identified resources during the review of the medical case.
4. The team will have 15 minutes to evaluate the documentation and formulate a case prevention.
5. The case presentation should include the following: a. Patient information and clinical course; patient's clinical condition and progression of the disease process presented in chronological order b. Accurate diagnosis c. Treatment plan; appropriate treatment plan (including all aspects of treatment)
6. The team will have five (5) minutes to present their findings to a group of judges. Teams are allowed to use their notes from the 15-minute evaluation in the presentation with judges. No other materials are allowed.
7. The timekeeper will announce when there is one (1) minute remaining in the presentation. The timekeeper will stop the presentation after five (5) minutes.
8. Both team members must take an active role in the presentation.

Final Scoring

1. The team test score average will be added to the presentation score to determine final results.
2. In case of a tie, the highest average test score will determine the rank.

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/>.

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Round Two Presentation

Team #: _____ Division: _____ SS _____ PS/C _____ Judge's Signature: _____

A. Presentation Content	EXCELLENT 15 points	GOOD 12 points	AVERAGE 9 points	FAIR 6 points	POOR 0 points	JUDGE SCORE
1. Patient information includes: objective and subjective data. Demographics, chief complaint, past medical history, social and family history are included.	All pertinent information is included. The information consists of both objective and subjective data. Demographics, chief complaint, past medical history, social and family history are included.	Most of the pertinent information is included.	Some of the pertinent information is included.	Little of the pertinent case information is included.	The presentation lacks pertinent information.	
2. Patient's clinical course: patient's clinical condition and progression of the disease process presented in chronological order.	The clinical course is clearly defined and includes information regarding the patient's clinical condition and progression of the disease process. The information is presented in chronological order.	Most of the clinical course is mostly defined but some clinical condition and progression is missing.	Some aspects of the clinical course are included, but more information is needed regarding the condition and course.	There is significant amount of information regarding the condition and course is missing.	The clinical course is not included in the presentation.	
A. Presentation Content	EXCELLENT 20 points	GOOD 15 points	AVERAGE 10 points	FAIR 5 points	POOR 0 points	JUDGE SCORE
3. Accuracy of diagnosis.	The diagnosis is correct based on the patient's presentation and shared information.	N/A	The diagnosis provided could be considered a differential diagnosis.	N/A	The team missed the diagnosis,	
4. Treatment plan for the patient.	The presentation included an appropriate treatment plan for the patient. All aspects of treatment were included.	Most of the aspects required for appropriate treatment were included in the presentation.	Some of the aspects are included for an appropriate treatment plan for the patient.	Limited aspects of items for an appropriate treatment plan for the patient.	The presentation did not include an appropriate treatment plan for the identified patient.	
B. Presentation Organization	EXCELLENT 10 points	GOOD 8 points	AVERAGE 6 points	FAIR 4 points	POOR 0 points	JUDGE SCORE
1. The presentation organization	The presentation was concise, thorough, and included all key points. The presentation kept the audience's attention.	The information shared was relevant and included most key points. Very few key points were missing.	The presentation was mostly thorough, but some key points were not included.	The presentation was missing a significant number of key points.	The presentation is unclear and does not provide information regarding the patient.	
2. Summary	Summarized all significant points of the case.	The summary included the majority of significant points of the case.	The summary missed some major points of the case.	The summary missed many key points.	The team did not summarize the case during the presentation.	

C. Presentation Delivery	EXCELLENT 5 points	GOOD 4 points	AVERAGE 3 points	FAIR 2 points	POOR 0 points	JUDGE SCORE
1. Voice Pitch, tempo, volume, quality	The competitor's voice was loud enough to hear. To enhance the speech, the competitor varied the rate and volume. Appropriate pausing was employed.	The competitor spoke loudly and clearly enough to be understood. The competitor varied the rate OR volume to enhance the speech. Pauses were attempted.	The competitor could be heard most of the time. The competitor attempted to use some variety in vocal quality, but not always successfully.	Judges had difficulty hearing / understanding much of the speech due to little variety in rate or volume.	The competitor's voice is too low or monotone. Judges struggled to stay focused during the majority of presentation.	
C. Presentation Delivery	EXCELLENT 5 points	GOOD 4 points	AVERAGE 3 points	FAIR 2 points	POOR 0 points	JUDGE SCORE
2. Stage Presence Poise, posture, eye contact, and enthusiasm	Movements & gestures were purposeful and enhanced the delivery of the speech and did not distract. Body language reflects comfort interacting with audience. Facial expressions and body language consistently generated a strong interest and enthusiasm for the topic.	The competitor maintained adequate posture and non-distracting movement during the speech. Some gestures were used. Facial expressions and body language sometimes generated an interest and enthusiasm for the topic.	Stiff or unnatural use of nonverbal behaviors. Body language reflects some discomfort interacting with audience. Limited use of gestures to reinforce verbal message. Facial expressions and body language are used to try to generate enthusiasm but seem somewhat forced.	The competitor's posture, body language, and facial expressions indicated a lack of enthusiasm for the topic. Movements were distracting.	No attempt was made to use body movement or gestures to enhance the message. No interest or enthusiasm for the topic came through in presentation.	
3. Diction*, Pronunciation** and Grammar *Definition of Diction – Choice of words, especially with regard to correctness, clearness, and effectiveness. **Definition of Pronunciation – Act or manner of uttering officially.	Delivery emphasizes and enhances message. Clear enunciation and pronunciation. No vocal fillers (ex: "ahs," "uh/ums," or "you-knows"). Tone heightened interest and complemented the verbal message.	Delivery helps to enhance message. Clear enunciation and pronunciation. Minimal vocal fillers (ex: "ahs," "uh/ums," or "you-knows"). Tone complemented the verbal message	Delivery adequate. Enunciation and pronunciation suitable. Noticeable verbal fillers (ex: "ahs," "uh/ums," or "you-knows") present. Tone seemed inconsistent at times.	Delivery quality minimal. Regular verbal fillers (ex: "ahs," "uh/ums," or "you-knows") present. Delivery problems cause disruption to message.	Many distracting errors in pronunciation and/or articulation. Monotone or inappropriate variation of vocal characteristics. Inconsistent with verbal message.	
C. Presentation Delivery	EXCELLENT 10 points	GOOD 8 points	AVERAGE 6 points	FAIR 4 points	POOR 0 points	JUDGE SCORE
4. Team Participation	This is an excellent example of shared collaboration in the presentation. Both team members spoke and carried equal parts of the presentation.	The team worked well together with the presentation almost equally balanced.	The team worked together relatively well. The presentation could have been more balanced.	The team did not work together as effectively as needed for an effective presentation.	One team member dominated the presentation.	
Total Points (115)						