

Biomedical Debate

New for 2018-19

At ILC, [photo ID](#) must be presented prior to competing in each round. Editorial updates and clarifications have been made to guidelines. For ILC, Round Two appointment times WILL NOT be distributed in hard copy to each competitor; appointment times will be posted on the HOSA App, HOSA website, and at CE Headquarters. The debate script for event personnel has been reformatted. On February 10, 2019 these guidelines were updated and reposted online. They now include updated SAMHSA sites used for the test plan. These urls were changed by SAMHSA since first publication of the guidelines.

- Purpose** To provide HOSA members with an opportunity to research the pros and cons of a biomedical issue, and showcase those skills in a debate-like format.
- Description** This event will consist of a Round One written test and a Round Two debate round. The topic for both rounds will be announced annually. Teams of 3-4 members will participate in the Round One written test. Written test will measure knowledge and understanding at the recall, application or analysis levels. Higher-order thinking skills will be incorporated as appropriate. The teams with the highest average score from the test will qualify for a single debate in Round Two. The debate round is a values debate, thus the topic is value-laden.
- Dress Code** Competitors shall wear the HOSA uniform or proper business attire. Bonus points will be awarded for [proper dress](#). All team members must be properly dressed to receive bonus points.
- Rules and Procedures**
1. Competitors in this event must be active members of HOSA-Future Health Professionals, in good standing in the division in which they are registered to compete (Secondary or Postsecondary/Collegiate).
 2. Competitors must be familiar with and adhere to the [“General Rules and Regulations of the HOSA Competitive Events Program \(GRR\).”](#)
 3. The annual debate topic will be selected each summer and will be announced in HOSA publications.

2018-2019 Topic: Pain Management: Opioids are the best solution!

4. Each team will consist of 3-4 team members.
5. [Round One Test Instructions](#): Each team will be evaluated in Round One by a fifty (50) item multiple choice written test. Competitors will be given sixty (60) minutes to complete the test. The more competitors know about the debate topic, the better prepared they will be to answer the questions on the test.
 - A. All competitors shall report to the site of the event orientation at the time designated. The Round One test will immediately follow the orientation. **No proxies will be allowed for the orientation.** At ILC, [photo ID](#) must be presented prior to competing in each round.
 - B. The test will be developed to measure broad concepts connected to the debate topic as described in a variety of Internet resources.

- C. The team test score average from Round One will be used to qualify the team for the Round Two debate. The team test score average will then be added to the debate score to determine final results.
- D. Competitors are encouraged to learn as much as they can about pain management & the opioid epidemic. All test questions will be developed from the following references:
- [Web MD](#)
 - [U.S. Department of Health and Human Services and the Surgeon General Priorities](#)
 - [SAMHSA #1](#)
 - [SAMHSA #2](#)
 - [SAMHSA #3](#)
 - [Government of Canada](#)
 - [White House Initiative](#)
 - [National Institutes of Health](#)
 - [Healthline](#)
 - [Health Canada](#)
 - [National Library of Medicine](#)
 - [Agency for Healthcare Research Quality](#)
 - [Live Science](#)
 - [American Society of Regional Anesthesia and Pain Medicine](#)
 - [Harvard Health Publishing](#)
 - [Anesthesia and Analgesia](#)
 - [US News and World Report – Health #1](#)
 - [US News and World Report – Health #2](#)
 - [Federal Drug Administration](#)
 - [JAMA Network](#)
 - [Medicinewise](#)
 - [Truth Initiative](#)

NOTE: *States/regions may use a different process for testing, to include but not limited to pre-conference testing, online testing, and testing at a computer. Check with your Area/Region/State for the process you will be using.*

6. The top scoring teams from Round One will be randomly paired for Round Two. Debate round pairings and position (either the affirmative or negative) are based on random selection.
- A. Debate pairings will be posted at a designated time and place.
- B. This event requires a paired match-up. If a team is more than 5 minutes late to their round two appointed time, the team forfeits their right to compete and an alternate team will be invited to compete in accordance with [GRR # 30](#).

ROUND TWO – DEBATE ROUND

7. Debate teams will draw for the affirmative or negative immediately before entering the competition room. Teams would have two (2) minutes to prepare outside the competition room. At least three (3) team members must speak in the debate.
8. Teams will be permitted to bring prepared materials (Containers/folders with notes, printed pages, books and bound materials) to the presentation area in *hard copy only*.
9. Props will NOT be allowed.

10. The following specific pattern will be followed during the debate:
- **Affirmative Constructive Speech** (4 minutes). The speaker for the affirmative presents their arguments.
 - **Negative Cross-Examination** (2 minutes). The speaker(s) for the negative questions the affirmative speaker on the points they made in their constructive speech.
 - **Negative Constructive Speech** (4 minutes). The speaker for the negative presents their arguments.
 - **Affirmative Cross-Examination** (2 minutes). The speaker(s) for the affirmative questions the negative speaker on the points they made in their constructive speech.
 - **Affirmative Rebuttal** (3 minutes). The affirmative speaker rebuts the points made by the negative speaker.
 - **Negative Rebuttal** (4 minutes). The negative speaker rebuts the points made by the affirmative speaker.
 - **Final Affirmative Rebuttal** (1 minute). The affirmative speaker again rebuts.
- * The full time noted above will be provided. If a team chooses not to use any or all of the time allowed, the opposing team shall still have the full amount of time that would have passed. However, the team whose turn it is may choose to begin their segment of the debate when ready, and the timekeeper will give them the amount of time listed above. (A team does not receive extra time for starting early.)*
- ** There will not be a time warning given during the constructive speeches, cross examinations, or rebuttals. It is the responsibility of the competitor to manage their time when speaking.*
11. During the constructive speeches and rebuttals, the speaker will stand at the podium. During the cross-examination, the team member(s) asking the questions will stand at their table and the speaker whose constructive speech is being cross-examined will remain at the podium. Interruption of the speaker by the questioner during the cross-examination IS allowed.
12. One speaker is permitted during the constructive speeches and one speaker is permitted during the rebuttals. Multiple speakers are permitted during cross-examination.
13. The Section Leader serves as the facilitator for the debate. He/she introduces the teams to the judges, announces each part of the debate, and helps to keep the event flowing according to the guidelines.
14. A timekeeper will keep time for each part of the debate and will call time at the end of the maximum amount of time allowed. Speakers must immediately stop speaking when time is called.
15. Thirty (30) seconds will be allowed between each part of the debate to allow teams to discuss strategy and for judges to rate the prior performance. After the thirty (30) seconds, the Section Leader will be responsible for calling the next speaker to the podium and announcing each part of the debate to the judges as an introduction. The timekeeper will begin time when the speaker is at the podium and the speaker has been announced.
16. Teams are permitted to discuss and write notes during all parts of the debate, however, table decorum will be evaluated on the rating sheet with the intent that teams will conduct themselves in a professional manner without distracting the other team. Paper is allowed for note taking.
17. Judges will have two (2) minutes to complete the rating sheets when the debate has

ended. In addition to rating each part of the debate, each judge will determine his or her "winner" of the debate based on the total presentation, evidence and persuasiveness, and will award that team 10 points on the rating sheet.

18. In case of a tie, the highest averaged test score will be used to determine the rank.
19. In the event of an odd number of teams in a division, the lowest scoring team from the Round One test may not advance to the debate round.
 - A. If there are only 3 teams, each team will debate the other two for a total of 3 debates. The scores from the two debates will be combined to determine final placing.
 - B. Other options may be considered to allow a fair event experience.

Competitors Must Provide

- Event guidelines – one per team (orientation)
- Prepared topic materials (per rule #8) for the presentation round in hard copy only
- Wrist watch or stopwatch for each team member (optional)
- Paper or index cards, to use for note taking by team members (optional)
- #2 lead pencils with eraser
- Photo ID

FOR SPECIFICS ON EVENT MANAGEMENT SEE [MANAGING COMPETITIVE EVENTS](#)

Required Personnel

- One Event Manager
- One QA to provide quality assurance by ensuring that the guidelines for the event are followed and all event documents are complete.
- One Section Leader per section
- Two-three judges per section
- One-two event assistants per section
- One timekeeper per section
- Holding room attendant(s) as applicable

Facilities, Equipment and Materials (Per Section)

Round One: Written Test (Reference: All resources)

- Testing room with tables/chairs for the number of registered competitors (see [HOSA Room Set](#))
- List of competitors for check-in
- One pre-numbered test per competitor
- Scantron/answer forms- one copy per competitor
- Evaluation forms - competitor and event personnel
- #2 lead pencils with eraser to complete evaluations (event personnel)
- Contact cards to be filled out by teams during Orientation

Round Two: Debate Round

- For the debate presentation set-up, there will be two tables with chairs in the front of the room, one assigned to the affirmative and one to the negative. A speaker's podium will be positioned between the two tables and will face the judges. (see [HOSA Room Set](#))
- List of competitors for check-in
- Stopwatch(s) and/or timer (For event personnel)
- Cards for drawing affirmative or negative
- Affirmative/Negative signs for team tables
- Copy of event topic for judges

- Rating sheets – one affirmative and one negative per judge per team
- Evaluation Forms – competitor, judge, and personnel
- #2 lead pencils (judges & evaluations)
- Biomedical Debate script (one per judge)
- Copy of guidelines for judges
- Hand sanitizer (alcohol based handrub)

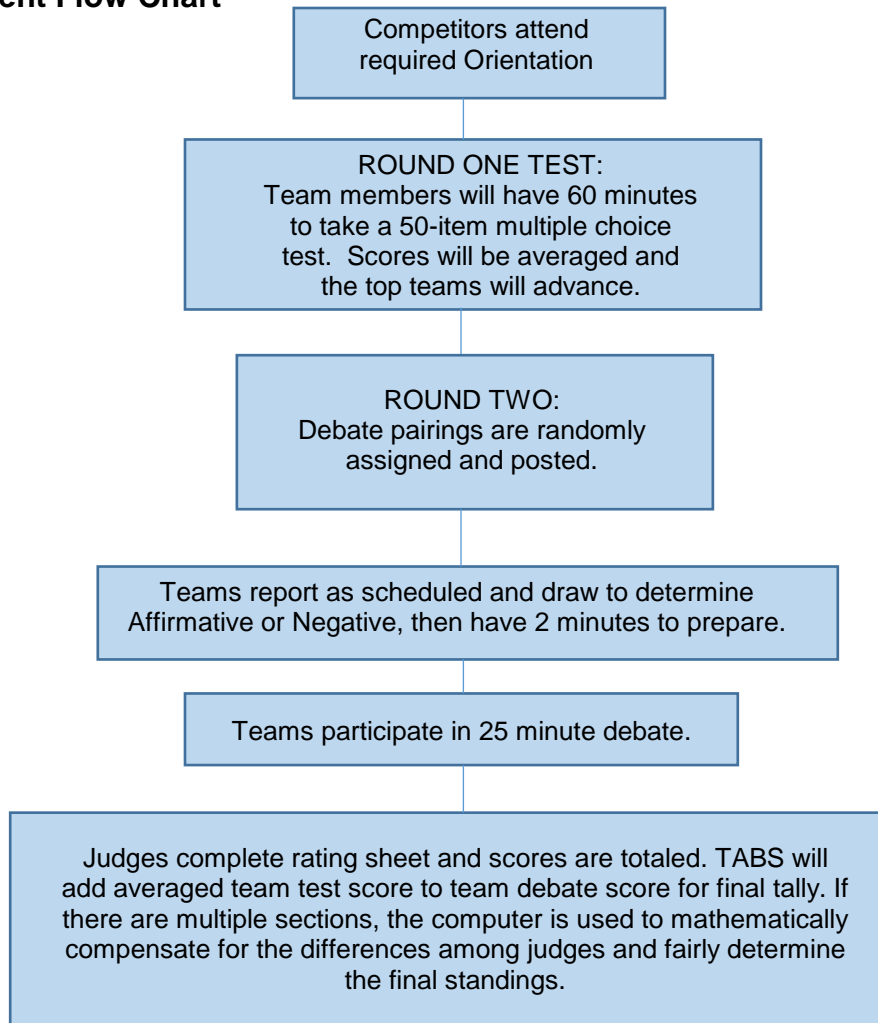
Sample Round One Questions

1. Pain causes stress, and when combined with the inflammation process it can produce:
 - A. weight loss.
 - B. weight gain.
 - C. ulcers.
 - D. acne.
2. The most common opioid side effects include all of the following, EXCEPT:
 - A. loss of consciousness.
 - B. nausea.
 - C. vomiting.
 - D. mild sedation.
3. Experts recommend that patients suffering from chronic back and arthritis pain should try what first?
 - A. opioids.
 - B. exercise.
 - C. aspirin.
 - D. nutritional supplements.

Speaker Flow Chart

| Segment | Affirmative | Location | Conversation | Negative | Location |
|------------------------------------|----------------------|-------------------|--------------|----------------------|-----------------------|
| 1. Affirmative Constructive Speech | One speaker | At the podium | ⇒ | | |
| 2. Negative Cross-Examination | Same speaker | Remains at podium | ⇔ | One or more speakers | At their table |
| 3. Negative Constructive Speech | | | ⇐ | One speaker | At the podium |
| 4. Affirmative Cross-Examination | One or more speakers | At their table | ⇔ | Same speaker | Remains at the podium |
| 5. Affirmative Rebuttal | One speaker | At the podium | ⇒ | | |
| 6. Negative Rebuttal | | | ⇐ | One speaker | At the podium |
| 7. Final Affirmative Rebuttal | One speaker | At the podium | ⇒ | | |

Event Flow Chart



BIOMEDICAL DEBATE ROUND TWO - AFFIRMATIVE RATING SHEET

Section: _____

Division _____ SS _____ PS _____

Team #: _____

Judge's Signature: _____

| Items Evaluated | Superior ----- Poor | | | | | | Points Awarded |
|---|---------------------|----|---|---|---|----------|----------------|
| | | | | | | | |
| 1. Affirmative Constructive Speech | | | | | | | |
| a. Arguments & Evidence (Persuasiveness) | 10 | 8 | 6 | 4 | 2 | 0 | |
| b. Flow & logic of speech | 10 | 8 | 6 | 4 | 2 | 0 | |
| c. Relevance of arguments | 5 | 4 | 3 | 2 | 1 | 0 | |
| d. Presentation | 5 | 4 | 3 | 2 | 1 | 0 | |
| 2. Response to Negative Cross-Exam | | | | | | | |
| • Quality of responses | 15 | 12 | 9 | 6 | 3 | 0 | |
| <i>Negative Constructive Speech</i> | | | | | | | |
| 3. Affirmative Cross-Examination | | | | | | | |
| • Quality of questions | 5 | 4 | 3 | 2 | 1 | 0 | |
| 4. Affirmative Rebuttal | | | | | | | |
| a. Evidence and effectiveness | 10 | 8 | 6 | 4 | 2 | 0 | |
| b. Clarification of argument | 5 | 4 | 3 | 2 | 1 | 0 | |
| c. Relevance of rebuttal | 5 | 4 | 3 | 2 | 1 | 0 | |
| d. Presentation | 5 | 4 | 3 | 2 | 1 | 0 | |
| <i>Negative Rebuttal</i> | | | | | | | |
| 5. Final Affirmation Rebuttal | | | | | | | |
| • Presentation and content | 10 | 8 | 6 | 4 | 2 | 0 | |
| 6. Decorum, professional behavior toward other team, and at least 3 members spoke in debate | | | | | | | |
| | 5 | 4 | 3 | 2 | 1 | 0 | |
| 7. Debate winner | | | | | | | |
| | 10 | | | | | 0 | |
| TOTAL POINTS | 100 | | | | | 0 | |

BIOMEDICAL DEBATE ROUND TWO - NEGATIVE RATING SHEET

Section: _____

Division _____ SS _____ PS _____

Team #: _____

Judge's Signature: _____

| Items Evaluated | Superior ----- Poor | | | | | | Points Awarded |
|---|---------------------|----|---|---|---|----------|----------------|
| <i>Affirmative Constructive Speech</i> | | | | | | | |
| 1. Negative Cross-Examination • Quality of questions | 5 | 4 | 3 | 2 | 1 | 0 | |
| 2. Negative Constructive Speech | | | | | | | |
| a. Arguments & Evidence (Persuasiveness) | 10 | 8 | 6 | 4 | 2 | 0 | |
| b. Flow & logic of speech | 10 | 8 | 6 | 4 | 2 | 0 | |
| c. Relevance of arguments | 5 | 4 | 3 | 2 | 1 | 0 | |
| d. Presentation | 5 | 4 | 3 | 2 | 1 | 0 | |
| 3. Response to Affirmative Cross-Examination • Quality of responses | 15 | 12 | 9 | 6 | 3 | 0 | |
| <i>Affirmative Rebuttal</i> | | | | | | | |
| 4. Negative Rebuttal | | | | | | | |
| a. Evidence & effectiveness | 10 | 8 | 6 | 4 | 2 | 0 | |
| b. Presentation | 15 | 12 | 9 | 6 | 3 | 0 | |
| c. Relevance of rebuttal | 5 | 4 | 3 | 2 | 1 | 0 | |
| d. Clarification of argument | 5 | 4 | 3 | 2 | 1 | 0 | |
| <i>Final Affirmative Rebuttal</i> | | | | | | | |
| 5. Decorum, professional behavior toward other team, and at least 3 members spoke in debate | 5 | 4 | 3 | 2 | 1 | 0 | |
| 6. Debate winner | 10 | | | | | 0 | |
| TOTAL POINTS | 100 | | | | | 0 | |

| BIOMEDICAL DEBATE SCRIPT - Section Leader addresses judges: | Timer |
|---|------------------------|
| <i>Debate teams will draw for the affirmative or negative and then be provided with two minutes to prepare outside the competition room.</i> | 2-Min |
| "This debate is between team #_____ in the Affirmative and team #_____ in the Negative. Team #_____ will begin with the <u>Affirmative Constructive Speech</u>. You will have four minutes." | 4-Min |
| <i>[At the end of four minutes time, stand and call TIME. All speaking must end. Allow thirty seconds for transition. At the end of thirty seconds, announce.....]</i> | 30-sec |
| "Team #_____ will begin the <u>Negative Cross-Examination</u>. You will have two minutes." | 2-Min |
| <i>[At the end of two minutes time, stand and call TIME. All speaking must end. Allow thirty seconds for transition. At the end of thirty seconds, announce.....]</i> | 30-sec |
| "Team #_____ will begin the <u>Negative Constructive Speech</u>. You will have four minutes." | 4-Min |
| <i>[At the end of four minutes time, stand and call TIME. All speaking must end. Allow thirty seconds for transition. At the end of thirty seconds, announce.....]</i> | 30-sec |
| "Team #_____ will begin the <u>Affirmative Cross-Examination</u>. You will have two minutes." | 2-Min |
| <i>[At the end of two minutes time, stand and call TIME. All speaking must end. Allow thirty seconds for transition. At the end of thirty seconds, announce.....]</i> | 30-sec |
| "Team #_____ will begin the <u>Affirmative Rebuttal</u>. You will have three minutes." | 3-Min |
| <i>[At the end of 3 minutes time, stand and call TIME. All speaking must end. Allow thirty seconds for transition. At the end of thirty seconds, announce.....]</i> | 30-sec |
| "Team #_____ will begin the <u>Negative Rebuttal</u>. You will have four minutes." | 4-Min |
| <i>[At the end of 4 minutes time, stand and call TIME. All speaking must end. Allow thirty seconds for transition. At the end of thirty seconds, announce.....]</i> | 30-sec |
| "Team #_____ will begin the <u>Final Affirmative Rebuttal</u>. You will have one minute." | 1-Min |
| <i>[At the end of 1 minute time, stand and call TIME. All speaking must end. Thank both teams and escort them out of the room.]</i> | Total 25-min |
| <i>Judges now have 2 minutes to complete the rating sheet, before the next team arrives.</i> | |