

Exploring Medical Innovation

Teamwork Event

Eligible Divisions: Middle School	Round 1: Digital Outline pre-judged	Digital Upload: YES
Team Event: 2-4 competitors per team	Round 2: Presentation	Required Display Time: YES



New for 2024 - 2025

Round 1 has been changed to a digital upload and will be pre-judged for ILC. Editorial updates have been made.

Event Summary

Exploring Medical Innovation allows **Middle School Division** HOSA members to learn about a medical innovation that impacted health or healthcare delivery. In Round One, judges evaluate the exhibit plan/outline. Top-scoring teams advance to Round Two for the oral presentation. This event aims to inspire members to be proactive future health professionals by understanding and researching the value of medical innovation.

TEXAS HOSA

Texas State Leadership Conference

Round One (Virtual State Competitive Events)

*REQUIRED DIGITAL UPLOAD

• **ONE** Team member must provide a link to the “Digital Upload of the Exhibit Outline” according to the ILC guidelines. This is what the judges will use to judge virtually.

- **All** teams advancing to the State conference who upload will be given an appointment time to present in person.

Round Two (team in-person)

- The Rubric that the judges will be using for the TX State Leadership Conference Presentation is the Round 2 presentation rating sheet. Scores from the virtual Round 1 (Digital Upload of Exhibit Outline) will be added to the Round 2 scores to determine the winner.

Top three (3) teams will advance to ILC. Teams that advance to ILC will need to upload again for ILC.

Dress Code

Proper business attire or official HOSA uniform. Bonus points will be awarded for [proper dress](#). All team members must be appropriately dressed to receive bonus points.

Competitor Must Provide

- [Photo ID](#)
- ONE team member uploads the outline to the HOSA Digital Upload System by May 15 for ILC competition (see advisor regarding SLC requirements and deadlines)
- Innovation and all associated materials/exhibit items
- Outline (hard copy is optional for in-person presentation)
- Index cards or electronic notecards or copy of outline for presentation (optional)

General Rules

1. Competitors must be familiar with and adhere to the [General Rules and Regulations](#).

Official References

The Medical Innovation Research and Exhibit Content

3. The team will select an existing medical innovation that demonstrates something unique and/or important in medicine or healthcare delivery. The team will research and explore everything they can about the innovation and then develop an exhibit that is shared with judges.
4. Topics could include, but are not limited to:
 - A. Medical or healthcare innovation
 - B. Emerging technologies in health
 - C. Advances in medicine
5. Exhibit information should include, but is not limited to, the following items:
 - A. What is the innovation and what it does/how it is used
 - B. How the medical innovation did/will change healthcare
 - C. Provide a history of the innovation, including information about its creator(s) and how it was discovered
 - D. Cost of the innovation for the consumer and/or the healthcare system
 - E. Training requirements needed to use or implement the innovation
6. Anyone viewing the exhibit should be able to have a general idea of the medical innovation without having someone there to speak about it.
7. For both Rounds, The work **must** be the work of the competitors, including the artistic aspects of the exhibit. Allowable artwork may include:
 - A. Competitor produced illustrations, designs, and/or computer-generated graphics.
 - B. Clip art or other graphics used in compliance with copyright laws.
 - C. Photographs used in compliance with copyright laws.
 - D. Computer or machine-generated lettering.

ROUND ONE: Digital Exploring Medical Innovation Outline

8. The digital upload should show and explain how the exhibit will be organized and serve as a guiding plan for the exhibit. Think of it as the “outline” for what the physical exhibit will look like – it is the planning you do to create your exhibit. From the digital outline judges should have a clear vision of what to expect when they see the team’s exhibit in-person. The digital outline should convince the judges of the value of the project and leave them with a desire to see the full exhibit and hear the team’s presentation.
9. The digital upload should be completed in “PowerPoint slide” type of style and format but can be created on any digital platform such as Canva, PPT, google slides, or a digital platform of the team’s choice. Think of each required piece of information listed in Rule #10 being a slide(s).
10. The digital outline should include:
 - A. Title Slide including Event Name, Team Member Names, HOSA Division, HOSA Chapter #, School Name, [Chartered Association](#) (1 slide only)
 - B. What is the innovation and what it does/how it is used (4 slides)
 - C. How the medical innovation did/will change healthcare (2 slides)
 - D. Provide a history of the innovation, including information about its creator(s) and how it was discovered (2 slides)
 - E. Cost of the innovation for the consumer and/or the healthcare system (1 slide)
 - F. Training requirements needed to use or implement the innovation (1 slide)
 - G. Creative and artistic impact – describe how your final exhibit will look; what elements will be included to showcase the innovation; what will make your exhibit stand out from others? (2 slides)
 - H. Reference Page(s) should be included in the digital upload: List the literature cited to give

guidance to the project. American Psychological Association (APA) is the preferred resource in Health Sciences. *Points will be awarded for compiling a clean, legible reference page(s), but the formatting of the reference page(s) is not judged. (as many slides as needed)*

11. Pay attention to how many slides each section in item #10 A-G is allowed. The total number of slides included in the digital upload will be no more than 13 total slides (not including any reference page slides).
12. The slides will be uploaded as one combined pdf file or publicly viewable link (if the link is not set to public access, judges will not be able to score it).
13. The Round One outline is not needed, used, or judged for Round Two.

REQUIRED Digital Uploads

14. ONE member of the team **MUST** upload the following item(s) to the HOSA Digital Upload System by May 15th:
 - A. Exhibit outline with required information – as one combined pdf file or publicly viewable link.
 - B. **May 15** at midnight EST is the **final deadline**, and there will be **NO EXCEPTIONS** to receipt of the required materials after the deadline.

Detailed instructions for uploading materials can be found at: <https://hosa.org/competitive-event-digital-uploads/>

15. State Leadership Conference (SLC) vs. HOSA's International Leadership Conference (ILC)
 - a. **State Leadership Conferences.** The competitor must check with their Local Advisor for all state-level processes used for competition, as digital uploads may or may not be required.
 - b. **International Leadership Conference.**
 - i. If a competitor uses the HOSA Digital Upload System as a requirement at the SLC, the competitor **MUST upload an ADDITIONAL time for ILC by May 15.**
 - ii. If the HOSA Digital Upload System is NOT used at the competitor's SLC, it is still the competitor's responsibility to upload the product for HOSA's ILC no later than May 15. Not using the HOSA Digital Upload System at a competitor's State Leadership Conference is not an exception to the rule.
16. The FINAL ILC digital upload deadline is May 15. We **STRONGLY** suggest not waiting until the last minute to upload online to avoid user challenges with the system.
17. For ILC, the digital materials uploaded by May 15 will be PRE-JUDGED. Competitors who do not upload materials are NOT eligible for the presentation portion of the competition and **will NOT be given a competition appointment time at ILC.** All digital content uploaded as of May 15 is what will be used for pre-judging at ILC.

Project Display Setup at ILC

18. All teams will have **fifteen (15) minutes** to assemble their innovation and overall table exhibit before the display time begins. Only registered competitors will be allowed to set up the exhibits.
19. There will be one or two teams per table. Once positioned on the table with three-dimensional exhibit items, the maximum dimensions are: WIDTH: 48 inches DEPTH: 24 inches
 - A. Exhibits which do not adhere to these dimensions will be assessed penalty points in Round Two.
20. The Section Leader or Event Manager will measure the exhibit from a beginning point to the furthest point of the exhibit.
 - A. There is no maximum height limit; however, exhibits must be stable enough to sit on the table without assistance or fear of falling.
 - B. Width will be measured from the widest point of anything on the exhibit to the opposite point.
 - C. Depth will be measured from the deepest point of anything on the exhibit to the opposite point.

- D. Exhibit materials may not extend beyond the edge of the exhibit table.
- E. Dimensions include models, electronics, mannequins, and all other exhibit items.

21. All teams will have the same size table. Exhibits must fit on this table without hanging off, as the following table may be very close. Teams may take things off the exhibit to show the judges and utilize the space around the exhibit, as long as they do not encroach on an equal distance from the next exhibit.

22. Teams should assemble materials so that the overall exhibit can stand alone. Anyone viewing the innovation exhibit materials should be able to have a general idea of the medical innovation without having someone there to speak about it. This may include any pre-recorded materials on battery-powered devices.

23. Competitors are responsible for the safety and proper functioning of all equipment they bring to this event. Teams *may not* use any flames, body fluids, living organisms, sharps, or any equipment/materials that could expose anyone to risk of bodily harm or danger. Invasive procedures and skin puncturing of any kind are **prohibited**.

24. Electricity will not be provided. Teams **MUST** use battery power instead of electricity for their exhibits if power is required. Any noise (bells, alarms, etc....) used in exhibit/presentation must not interfere with neighboring exhibits/presentations.

A. No equipment/supplies (except tables) will be provided for this event. All equipment/supplies needed must be provided by the team. No Wi-Fi or internet service will be provided. The team's responsible for ensuring that all equipment is in working condition.

25. Teams will write their Event Name, Team Member Names, HOSA Division, HOSA Chapter #, School Name, Chartered Association (state) on the back of their exhibit for easy identification on-site.

Required Project Exhibit Time at ILC

26. All competitors at the International Leadership Conference are **required** to attend the **HOSA Project Exhibit Time** for this event, as scheduled per the conference program. Team members will stand with their innovation and share event experiences with conference delegates. Failure to attend Project Exhibit Time will result in a 15-point deduction from Round Two.

27. Exhibits must be picked up by competitors as instructed. Any exhibits not picked up ***within the given timeframe*** will become the property of HOSA-Future Health Professionals and may be discarded.

Round Two: The Presentation

28. The top teams from Round One will advance to Round Two for the oral presentation sharing their innovation exhibit. The number of advancing teams will be determined by criteria met in Round One, attendance of the required exhibit time, and space available for Round Two. Round Two finalists will be announced on-site at ILC per the conference agenda.

29. Teams must bring their physical exhibit to the ILC competition to reference during the Round Two presentations and to use during the required exhibit time.

30. Round Two qualifying teams will report to the scheduled room at their individual team assigned appointment time to present a five (5) minute prepared oral presentation to the judges.

- A. Use of index card notes during the presentation are permitted. Electronic notecards (on a tablet, smart phone, laptop, etc....) are permitted, but will not be shown to judges.
- B. During the five (5) minute prepared presentation, time cards will be shown with one (1) minute remaining and time will be called at the end of the five (5) minutes.
- C. All team members must take an active role in the presentation.

31. Each team that advances to the presentation round will be judged on their ability to communicate information to the judges about their innovation. The presentation will:

- A. A description and history/overview of the selected innovation
- B. Why did the team choose this medical innovation?
- C. What benefits/challenges are associated with this innovation?

- D. Career implications: Where does this innovation fit in the healthcare field? What practitioners or consumers are using it?

Final Scoring

- 32. Scores from Round One will be added to Round Two to determine the final results.
- 33. In the event of a tie, a tiebreaker will be determined by the areas on the rating sheet section(s) with the highest point value in descending order.

EXPLORING MEDICAL INNOVATION

Round 1 – The Exhibit Outline

Section # _____
 Team # _____

Judge's Signature _____
 Division: MIDDLE SCHOOL ONLY

Exhibit Content	Excellent 5 points	Good 4 points	Average 3 points	Fair 4 points	Poor 0 points	JUDGE SCORE
1. Title Slide: (Event Name, Team Member Names, HOSA Division, HOSA Chapter #, School Name, Chartered Association)	Title Slide is included with ALL needed information.	N/A	N/A	N/A	Title slide is not included or missing one or more components	
Exhibit Content	Excellent 15 points	Good 12 points	Average 8 points	Fair 6 points	Poor 0 points	JUDGE SCORE
2. Description of the Innovation and how it is used	The outline provides an exceptional representation of what the innovation is, what it does, and how it is used. Information is accurate, current, and presented logically.	The content of the outline is mostly clear, ideas are sequenced in a logical manner. The exhibit provides information that describes the innovation and its use.	The information on the outline is somewhat vague and does not clearly explain the innovation and/or its use.	The sequencing of ideas throughout the outline is unclear. The outline includes little information to support the innovation OR information on the outline does not provide clear understanding of the career or career cluster.	Information on the outline is unclear and does not provide understanding of the innovation and its use.	
Exhibit Content	Excellent 10 points	Good 8 points	Average 4 points	Fair 2 points	Poor 0 points	JUDGE SCORE
3. Impact on Healthcare	The outline provides a detailed and relevant description of how medical innovation has changed or will change healthcare.	The outline provides good detail for how medical innovation has or will change/impact healthcare.	An average description for how the future of healthcare will be/have been impacted by this innovation.	Little detail was provided on how the innovation has or will change/impact healthcare.	No description was provided on how the innovation will change/impact healthcare.	
4. History of the Innovation	An extensive history of the innovation's creation was provided, including rich details about its creator(s) and how it was discovered.	A history on the creation of the innovation was provided, along with a description of who created it and how it was discovered.	A brief history of the innovation's creation, some details about the creator(s), and the background of discovery were provided.	Little history was provided about the history of the innovation, who created it or how it was discovered.	No history or details of how this innovation was founded were provided.	
5. Cost	Detailed information about the cost of the innovation for the consumer and/or the healthcare system was shared.	N/A	Information was shared about the cost of the innovation, but judges were left with unanswered questions.	N/A	No relevant information was shared about the cost of the innovation.	

Exhibit Content	Excellent 10 points	Good 8 points	Average 4 points	Fair 2 points	Poor 0 points	JUDGE SCORE
6. Training Requirements	A detailed description of the training requirements needed to use or implement the medical innovation was shared.	A description of the training requirements was provided.	A short description of the training requirements was provided.	An incomplete description of the training requirements was provided.	There is no description of the training requirements for medical innovation.	
7. Creative and Artistic Impact	The outline was extremely effective in describing the creative and artistic plan for the exhibit. It is very evident the exhibit and innovation will stand out in the crowd. The description excites the judges to want to see the physical exhibit in round 2.	The creative and artistic plan is effective and there are elements that will certainly make it unique. Judges want to see the physical exhibit in round 2.	The creative and artistic plan are present in the outline but could use further development. Some thought has been put into these elements, but they need to be flushed out further.	There is minimal description of the creative and artistic plan for the physical exhibit and innovation. Judges are not sure what unique elements will make this project stand out.	No aspects of creative or artistic elements were included in the outline.	
Exhibit Outline	Excellent 5 points	Good 4 points	Average 3 points	Fair 2 points	Poor 0 points	JUDGE SCORE
8. Organization	The outline is exceptionally neat, organized, and error-free. Information is clearly displayed and easy to understand and follow.	Outline is neat and organized. The content has a logical flow with only minimal errors.	The outline was basic and could use more organization and thought to be understood.	The outline lacked organization and/or contained several spelling errors. The flow of information seemed to be out of order.	The outline is either too busy or lacks enough detail to support the content.	
9. Reference Page(s)	Reference page(s) included	N/A	N/A	N/A	Reference page(s) not included	
10. Total Slides	The total number of slides in the digital outline is no more than 13 slides (not including any reference page slides)	N/A	N/A	N/A	The digital outline is 14+ slides *not including any reference page slides)	
Total Points Round One (85):						

EXPLORING MEDICAL INNOVATION

Round 2 - Presentation

Section # _____
 Team # _____

Judge's Signature _____
 Division: MIDDLE SCHOOL ONLY

EXPLORING MEDICAL INNOVATION – The Presentation – Round 2						JUDGE SCORE
Presentation Content	Excellent 10 points	Good 8 points	Average 6 points	Fair 4 points	Poor 0 points	
1. Description of the Innovation and how it is used	The exhibit provides an exceptional representation of the innovation and how it is used. Information is accurate, current, and presented in a logical manner.	The content of the exhibit is mostly clear, ideas are sequenced in a logical manner. The exhibit provides information that describes the innovation and the use.	The information on the exhibit is somewhat vague and does not clearly define the innovation and/or use.	The sequencing of ideas throughout the exhibit is unclear. The exhibit includes little information with limited data to support the innovation and/or use. Information on the exhibit is unclear and does not provide understanding of the career or career cluster.	Information on the exhibit is unclear and does not provide understanding of the innovation and the use.	
2. History of the Innovation	An extensive history of the innovation's creation was provided, including rich details about its creator(s) and how it was discovered.	A history on the creation of the innovation was provided, along with a description of who created it and how it was discovered.	A brief history of the innovation's creation, some details about the creator(s), and the background of discovery were provided.	Little history was provided about the history of the innovation, who created it or how it was discovered.	No history or details of how this innovation was founded were provided.	
3. Why this Innovation?	Compelling examples of why the team chose this medical innovation were given. Relevant and engaging stories were shared that brought the presentation to life and made it clear to the judges why the team chose this innovation.	The team provided engaging examples of why they chose the medical innovation. Stories were shared to add a personal touch why the medical innovation was selected, but the wow-factor was missing.	The team told the story of why they chose their medical innovation but were unable to provide relevant examples to bring the story to life.	The team attempted to tell a story of the significance of choosing their medical innovation, but the relevance of the story fell short of expectation.	The team was unable to connect the story for why they chose their medical innovation.	
4. Benefits & Challenges	The benefits and challenges associated with the innovation were highlighted in extensive detail by the team.	The team shared benefits and challenges.	The benefits and challenges associated with the innovation were shared but did not go into great depth.	Benefits and challenges associated with the innovation were briefly mentioned.	No mention of the benefits or challenges of the innovation were included.	

Presentation Content & Visuals	Excellent 10 points	Good 8 points	Average 6 points	Fair 4 points	Poor 0 points	JUDGE SCORE
5. Career Implications	Detailed information was shared about how the innovation fits within the healthcare field and what practitioners / consumers are needed to implement it. It is clear how and what healthcare careers are affected by this innovation.	Mostly relevant information was shared about the career implications of this innovation.	Some information was shared about the career implications of this innovation.	A fair amount of information was shared about the career implications of this innovation, but more detail is needed to be relevant.	No information was shared about the career implications of this innovation.	
6. Artistic Design	The artistic quality is exceptional. The artwork is vibrant, balanced, visually pleasing and pushes the boundaries of artistic expression. The design choices take the exhibit to the next level.	The artistic quality is good; the artwork stands out. The design elements seem to be well-thought out and comprehensive.	The exhibit incorporates balanced design choices, showcasing some artistic features. Some of the design lacks artistic details that took away from the overall visual of the exhibit.	Basic levels of artistic design are incorporated into the exhibit. Better design/color choices should be incorporated to assure the artwork on the exhibit is pleasing to the eye,	The design is simplistic and not visually appealing.	
7. Creativity and Originality	The exhibit incorporates creativity and innovation that make it unique. The exhibit has the "wow-factor" and stands out in the room.	The exhibit is innovative and creative. It offers something unique but is missing the wow-factor.	The exhibit has moderate levels of creativity and originality.	Basic elements of creativity and innovation were captured in this exhibit. It blends in with the other competitors.	Little creativity or originality was captured in the exhibit of this health care exhibit. More effort needed.	
PRESENTATION DELIVERY	Excellent 5 points	Good 4 points	Average 3 points	Fair 2 points	Poor 0 points	JUDGE SCORE
8. Voice Pitch, tempo, volume, quality	The team's voice was loud enough to hear. The competitor varied rate & volume to enhance the speech. Appropriate pausing was employed.	The team spoke loudly & clearly enough to be understood. The competitor varied rate OR volume to enhance the speech. Pauses were used.	The team could be heard most of the time. The competitor attempted to use some variety in vocal quality, but not always successfully.	The team's voice is low. Judges have difficulty hearing the presentation.	Judge had difficulty hearing and/or understanding much of the speech due to low volume. Little variety in rate or volume.	
9. Stage Presence Poise, posture, eye contact, and enthusiasm	Movements & gestures were purposeful & enhanced the delivery of the speech & did not distract. Body language reflects comfort with audience. Facial expressions & body language consistently generated a strong interest & enthusiasm for the topic.	The team 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 team'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.	

PRESENTATION DELIVERY	Excellent 5 points	Good 4 points	Average 3 points	Fair 2 points	Poor 0 points	JUDGE SCORE
10. Diction*, Pronunciation** and Grammar	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.	
11. Team Participation	Excellent example of shared collaboration in the presentation of the project. Each team member spoke and carried equal parts of the project presentation.	All but one person on the team was actively engaged in the project presentation.	The team worked together relatively well. Some team members spoke more than others.	The team did not work effectively together.	One team member dominated the project presentation.	
12. Organization and Flow	The presentation was exceptionally organized, clear and coherent. It flowed seamlessly.	The presentation was well-organized, clear and included sufficient detail.	Information shared by presenters was somewhat organized and presented fairly well. The presentation included some details to help with the delivery.	Presentation was not delivered in a clear and concise manner.	The presentation was scattered and unclear; did not flow, and left judges with more questions than answers.	
13. Exhibit Incorporated into Presentation	The exhibit enhanced the messaging of the innovation and helped bring the presentation to life.	The exhibit helped tell the story of the innovation. It complemented the presentation effectively.	The team did an adequate job of using the exhibit to support the presentation.	The exhibit somewhat enhanced the presentation on the innovation yet seemed to miss key points of emphasis.	The exhibit seemed to be an "afterthought" to the presentation. There was a disconnect between the exhibit and the presentation.	
EXHIBIT OVERVIEW	Excellent 5 points	Good 4 points	Average 3 points	Fair 2 points	Poor 0 points	JUDGE SCORE
14. Size	Visual exhibit is no more than 48" wide x 24" deep	N/A	N/A	N/A	Visual exhibit does not meet stated requirements.	
15. Safety	Exhibit / equipment is safe and poses no hazards.	N/A	N/A	N/A	Equipment presents safety/hazard concerns.	
Total Points Presentation (110)						

*Definition of Diction – Choice of words, especially with regard to correctness, clearness, and effectiveness.

**Definition of Pronunciation – Act or manner of uttering officially