

Exploring Medical Innovations



New for 2022-2023

The number of photos uploaded to Wufoo has increased to 8 maximum.
Wufoo upload process has been clarified.
Round 1 and round 2 have been added.
Round One at ILC will be pre-judged using digital submissions.
Exhibit Time is now a required part of the event.
Editorial updates have been made for clarity.

Event Summary

Exploring Medical Innovation provides **Middle School Division** HOSA members with the opportunity to gain knowledge regarding a medical innovation that impacted health or the delivery of healthcare. This competitive event consists of two rounds and each team consists of 2-4 people. In Round One, judges will evaluate the exhibit. Top scoring teams will advance to Round Two for the oral presentation. This event aims to inspire members to be proactive future health professionals through understanding and researching the value of medical innovation.

Dress Code

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

General Rules

1. Competitors in this event must be active members of HOSA in good standing.

Competitor Must Provide

- [Photo ID](#)
- the pdf containing up to 8 photos of the exhibit and reference page uploaded to [Wufoo](#) by ONE team member by May 15 for ILC competition
- All exhibit materials/ items
- Index cards or electronic notecards for presentation (optional)

2. **Eligible Division:** Middle School division members ONLY (in grades 6-8 during the 2022 -2023 school year) 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. The medical innovation must be presented by a team of 2-4 HOSA members.

Official References

5. Websites that may provide useful information are:
- [Johnson and Johnson Innovation Lab](#)
 - [Cleveland Clinic](#)
 - [Deloitte](#)

ROUND ONE

The Medical Innovation Research and Exhibit Content - Pre-judged Digitally

6. The team will select an existing medical innovation that demonstrates something unique, and/or important in medicine or the delivery of healthcare. The team will research and explore everything they can about the innovation, and then develop an exhibit that is shared with judges.
7. Topics could include, but are not limited to:
- Medical or healthcare innovation
 - Emerging technologies in health
 - Advances in medicine
8. Exhibit information should include, but is not limited to, the following items:
- What the innovation is and what it does/how it is used
 - How the medical innovation did/will change healthcare
 - Provide a history of the innovation, including information about its creator(s) and how it was discovered
 - Cost of the innovation for the consumer and/or the healthcare system
 - Training requirements needed to use or implement the innovation
9. Anyone viewing the exhibit should be able to have a general ideal of the medical innovation without having someone there to speak about it.
10. The work **must** be the work of the competitors, including the artistic aspects of the exhibit. Allowable artwork may include:
- Competitor produced illustrations, designs, and/or computer-generated graphics.
 - Clip art or other graphics used in compliance with copyright laws.
 - Photographs used in compliance with copyright laws.
 - Computer or machine generated lettering.
11. **Reference Page(s):** List the literature cited to give guidance to the exhibit. American Psychological Association (APA) is the preferred resource in Health Sciences. The reference Page(s) must be uploaded to the Wufoo link provided in these guidelines by ONE team member and attached to back side of the exhibit. Reference page(s) must also include: Event Name, Team Member Names, HOSA Division, HOSA Chapter #, School Name, Chartered Association, Chosen Innovation. *Points will be awarded for compiling a clean, legible reference page, but the formatting of the reference page is not judged.*

REQUIRED Digital Uploads

12. The following items **MUST** be uploaded to the Exploring Medical Innovation Wufoo link below by May 15 by one member of the team:
- Reference Page(s) with chapter and team member names
 - Up to 8 clear photos of exhibit.

May 15 at midnight EST is the **final deadline** and there will be **NO EXCEPTIONS** to receipt of the required materials after the deadline.

13. These items will be uploaded as one combined pdf file.

14. **MIDDLE SCHOOL:**
Link for uploading materials can be found [HERE](#).
15. State Leadership Conference (SLC) vs. HOSA's International Leadership Conference (ILC)
 - a. **State Leadership Conferences.** It is the competitor's responsibility to check with their Local Advisor for all state-level processes used for competition as Wufoo digital submission might not be a requirement.
 - b. **International Leadership Conference.**
 - i. Regardless of what process is used at the State Leadership Conference, competitors must upload to the Wufoo link to be eligible for ILC competition. **ALL competitors MUST** use [this link](#) for ILC competition.
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 for round one. Competitors who do not upload materials are NOT eligible for round two 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.
18. It is the team's responsibility to ensure that the digitally submitted photos are legible, clear, and large enough files to view effectively for round one pre-judging.

Project Display Setup at ILC

19. All competitors shall report to the site of the event at the time designated for competition. At ILC, competitor's [photo ID](#) must be presented prior to ALL competition rounds.
20. When instructed, the team will have **fifteen (15) minutes** to assemble their innovation and overall table exhibit. Only registered competitors will be allowed to setup the exhibits. The time for assembly is to set up what the team has previously created in preparation for the required Display Time.
21. 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
22. The exhibit will be measured by the Section Leader or Event Manager 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.
 - F. Exhibit must be submitted in English for judging.
23. All teams will have the same size table. Exhibits must fit on this table without hanging off, as the next table may be in very close proximity. 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.
24. 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.
25. 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**.

26. 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.
27. 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. It is the team's responsibility to ensure that all equipment is in working condition.

Required Project Exhibit Time at ILC

28. 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, assessed in Tabulations.
29. 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

30. The top teams from Round One will advance to Round Two, for the oral presentation. 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.
31. Teams must bring their exhibit to ILC competition, to reference during the round two presentation and to use during the required exhibit time.
32. Qualifying teams will report back to their exhibit at their individual team assigned appointment time to present a five (5) minute prepared oral presentation to the judges. The timekeeper shall present a flash card advising the competitors when there is one (1) minute remaining.
 - 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. All team members must take an active role in the presentation.
33. At the conclusion of the five (5) minute prepared oral presentation, judges will have two (2) minutes to ask questions of the competitors. The timekeeper will notify teams when one minute (1) remains and notify the judges when these two (2) minutes have ended. Judges will then have two (2) additional minutes to complete the rating sheets.
34. Presentation information should include, but is not limited to, the following items:
 - A. A description and history/overview of the selected innovation
 - B. Why did the team choose the 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

35. Scores from Round One will be added to Round Two to determine the final results.
36. 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

Judge's Round 1 Rating Sheet – The Exhibit - Pre-Judged Digitally

Section # _____
 Team # _____

Judge's Signature _____
 Division: MIDDLE SCHOOL ONLY

One PDF file containing Reference Page and up to 8 photos of the Exhibit Uploaded Online*:
 Yes ____ No ____

For ILC, the digital materials uploaded by May 15 will be PRE-JUDGED for round one. Competitors who do not upload materials are NOT eligible for round two 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.

A. Exhibit Content	Excellent 5 points	Good 4 points	Average 3 points	Fair 4 points	Poor 0 points	JUDGE SCORE
1. Reference Page	Reference page is included as a digital upload - and contains Event name, Competitor/Team Member Names, HOSA Division, HOSA Chapter #, School Name, Chartered Assoc, & Chosen Innovation	N/A	N/A	N/A	Reference page is not included OR all requirements are not met.	
A. 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	Exhibit provides an exceptional representation of what the innovation is, what it does, 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 its use.	The information on the exhibit is somewhat vague and does not clearly explain the innovation and/or its use.	The sequencing of ideas throughout the exhibit is unclear. The exhibit includes little information to support the innovation OR information on the exhibit does not provide clear understanding of the career or career cluster.	Exhibit not submitted OR information on the exhibit is unclear and does not provide understanding of the innovation and its use.	
A. Exhibit Content	Excellent 10 points	Good 8 points	Average 4 points	Fair 2 points	Poor 0 points	JUDGE SCORE
3. Impact on Healthcare	The exhibit provides a detailed and relevant description for how the medical innovation has or will change/impact healthcare.	The exhibit provides good detail for how the medical innovation has or will change/impact healthcare.	An average description for how the future of healthcare will be/has 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.	

A. Exhibit Content & Design	Excellent 10 points	Good 8 points	Average 6 points	Fair 4 points	Poor 0 points	JUDGE SCORE
4. History of the Innovation	Extensive history of the creation of the innovation was provided and included 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 was provided on the creation of the innovation. Some details about the creator(s) and background of discovery was 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.	
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 the medical innovation.	
7. 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,	Exhibit photos not submitted OR The design is simplistic and not visually appealing.	
8. Creativity / Originality	The exhibit incorporates creativity and innovation that make it unique. The exhibit has the "wow-factor" and stands out in the room above all others.	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 innovation exhibit. It blends in with the other competitors.	Exhibit photos not submitted OR Little creativity or originality was captured in the exhibit. More effort needed.	
9. Appearance / Organization	The exhibits exceptionally neat, organized, and error-free. Information is clearly exhibited and easy to understand and follow.	Exhibit is neat and organized. The content has a logical flow with only minimal errors.	The exhibit was basic and could use more organization and thought to be understood. .	The exhibit lacked organization and/or contained several spelling errors. The flow of information seemed to be out of order.	Exhibit photos not submitted OR The exhibit is either too busy or lacks enough detail to support the content.	
Total Points Round One Pre-Judged Digitally (90):						

EXPLORING MEDICAL INNOVATION Judge's Round 2 Rating Sheet

Section # _____
Team # _____

Judge's Signature _____
Division: MIDDLE SCHOOL ONLY

EXPLORING MEDICAL INNOVATION – The Presentation – Round 2						JUDGE SCORE
A. Presentation Content	Excellent 15 points	Good 12 points	Average 9 points	Fair 6 points	Poor 0 points	
1. Description of the Innovation and how it is used	Exhibit provides an exceptional representation of the innovation is 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 Exhibit not submitted OR information on the exhibit is unclear and does not provide understanding of the career or career cluster.	Exhibit not submitted OR information on the exhibit is unclear and does not provide understanding of the innovation and the use.	
2. History of the Innovation	Extensive history of the creation of the innovation was provided and included 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 was provided on the creation of the innovation. Some details about the creator(s) and background of discovery was 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 this was the innovation chosen by the team.	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 for 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	Benefits and challenges associated with the innovation were highlighted in extensive detail by the team.	Benefits and challenges were shared by the team.	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.	
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.	

B. PRESENTATION DELIVERY	Excellent 5 points	Good 4 points	Average 3 points	Fair 2 points	Poor 0 points	JUDGE SCORE
1. 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 what was featured on the exhibit and the presentation.	
2. 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 and clearly enough to be understood. The competitor varied rate OR volume to enhance the speech. Pauses were attempted.	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.	
3. 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 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.	
4. 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.	
B. PRESENTATION DELIVERY	Excellent 10 points	Good 8 points	Average 6 points	Fair 4 points	Poor 0 points	JUDGE SCORE
5. 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.	
6. Answered judge questions effectively.	The team provided excellent answers to judge's questions, shared important details and maintained a high level of professionalism and poise throughout the presentation.	The team answered the judge's questions accurately and provided some important details about the medical innovation.	The team was able to answer most of the questions effectively, could have provided more details regarding the innovation process.	The team answered some of the questions but failed to expound on the details of the medical innovation.	The team had trouble answering the judge's questions. More evidence is needed to demonstrate a basic understanding of the medical innovation.	

C. EXHIBIT OVERVIEW	Excellent 5 points	Good 4 points	Average 3 points	Fair 2 points	Poor 0 points	JUDGE SCORE
1. 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.	
2. Safety	Exhibit / equipment is safe and poses no hazards.	N/A	N/A	N/A	Equipment presents safety/hazard concern.	
Total Points Presentation (125):						

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

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