



## **Medical Innovations – Original**

### **Preliminary Round**

**Purpose:** To encourage HOSA members to create an original medical innovation that is certain to have a dramatic impact on the future of health and or the delivery of healthcare, and to share their innovation understanding and outcomes with others. This event includes new or improved medical technology, innovative products, devices, medical apps and other inventions and findings that may influence global health care.

**Disclaimer** If a competitor is interested in obtaining a patent for his/her original work, it is the responsibility of the competitor. More information on how to file a US patent may be found at <https://www.uspto.gov/patent>. HOSA does not provide patent protection for this event.

**Description:** Teams consisting of two to four (2-4) competitors shall develop a visual display and/or demonstration of an aspect of a medical innovation to be presented to the judges. Competitors will also create a 90 second video demonstration of their innovation to be sent to Illinois HOSA by the state designated deadline. Competitors will be judged on their understanding and insight into the use and value of the medical innovation; the originality of their developed innovation; as well as their ability to present themselves and communicate the use and value of this medical innovation.

**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 National HOSA Competitive Events Program (GRR)."
3. The original medical innovation must be presented by a team of two to four (2-4) HOSA members.

## The Medical Innovation

4. The team will create an original innovation of their own idea and design. The innovation should be something that could lead to an advancement in medicine or the delivery of healthcare. They will include a prototype of the innovation, provide supporting evidence for why this innovation is needed, and then demonstrate and/or teach the judges about their vision for this innovation.
5. Topics could include, but are not limited to:
  - Medical or healthcare innovation
  - Emerging technologies in health
  - Advances in medicine

Two websites that may provide useful information are:

- The Global Center for Health Innovation
  - The Medical Innovation Summit (held October of each year)
6. Teams will create a video demonstration of their innovation. The video demonstration should be 90 seconds max showcasing the innovation and its inventor(s). No need for music, graphics, special effects, or text. Video must include competitor's names, HOSA chapter & division, ages, hometown, and name of innovation. Video must explain how the innovation works and show it in action using the prototype created. You can view a sample video here: <https://www.youtube.com/watch?v=oNhIQHHdwoQ&feature=youtu.be>. The video or a link will be sent to Illinois HOSA via email at [illinoishosa32+medicalinnovationoriginal@gmail.com](mailto:illinoishosa32+medicalinnovationoriginal@gmail.com)
  7. Any sources used for data or information collection should be published on a References page, attached to the back of the display or on the table, according to the HOSA Style sheet included in these guidelines.



## HOSA Style Sheet, Adapted from APA style

### EVERY REQUIREMENT MUST BE FOLLOWED TO RECEIVE CREDIT

This style sheet is designed to make it easier for HOSA members in events that require APA formatting and references. Since the American Psychological Association (APA) is the most commonly used resource in the health sciences, this information is modified from the APA style. More information may be found at <https://owl.english.purdue.edu/owl/resource/560/01/>.

#### Written Paper Guidelines

1. Type your paper on 8.5 x 11 inch white paper, stapled in the upper left corner, double spaced, with 1" margins on all sides.
2. Do NOT use bold face anywhere on the paper, EXCEPT on the title on the cover page, and be sure your paper is in Arial, 12 pt. font.
3. For events that require it, create a cover page with the event name, title of the paper/project, competitor name, chapter name, division, school and state in the center of the page.
4. Create a running head with the title of the paper/project on the upper left-hand corner, ½ inch from the top and flush with the left margin. This running head must also number all pages consecutively on the upper right-hand corner, flush with the right margin.
5. Abstracts are NOT necessary in HOSA competitive events.
6. Place the parenthetical reference at the end of the sentence but before the final period, using author's last name and year of publication. For example, "...in the hospital" (Belkin, 2003). For anonymous authors, the shortened version of the title replaces the author's last name in the text citation. For example, "...in a rainy day" (Meteorologist, 2012). For personal interviews or emails, cite in-text only (S. Smith, personal communication, August 15, 2014), not on your references page.

#### Reference Guidelines

Your ONE PAGE 'References' title should be centered and sources alphabetized by the author's last name, first initial from the left margin. References should be single spaced and hanging indents should be used for sources requiring multiple lines. Alphabetize anonymous authors according to the first main word in the title. See examples below:

#### Book by Two or More Authors

Wischnitzer, S., & Wischnitzer, E. (2005). *Top 100 health care careers: Your complete guidebook to training and jobs in allied health, nursing, medicine, and more (2<sup>nd</sup> ed.)*. Indianapolis, IN: Jist Publishing.

#### Format of On-Line Entries\*

Author or editor last name, first initial. (year, month date posted). Article or web page title. *Book, journal or website title*. Printed version information or volume (issue number), pages if applicable. Retrieved from <DOI or http information>.

#### Example: Web Site (Professional)

ESPN.com. (1999, Nov 10). *ESPN Internet Ventures*. Retrieved from <http://espn.go.com>.

#### Example: Article from a Professional Journal Online

Sitzler, B. (2015). Taking helmets off: To decrease risk. *NATA News*, 27(10), 12-14. Retrieved from <http://digital.ipcprintservices.com/publication/?i=&p=&l=&m=14775&l=1&ver=&pp>.

**\*Note:** If you do not have a section of information for an Internet reference, move up the URL or to the home page to find it. If it is not there, just skip it and move to the next piece of information. If there is no date listed, use (n.d.). Be sure you gather as much information possible for the above format.

