

Health Care Team Event Guidelines and Logistics

Rationale: Interprofessional Education (IPE) is one of the high priorities in health care academia. Being able to offer a glimpse of IPE to HOSA students is of great benefit for those teams competing in this event. Secondly, the majority of health professionals will encounter simulation in the academic path. Being able to offer an opportunity involving simulation is another benefit for HOSA members competing in this event.

Purpose: To encourage health science students to engage each other in a team-based care setting in caring for a patient involving multiple disciplines in a simulated scenario.

Description: This event will involve two rounds of competition. Round One will consist of a written test to evaluate the team's understanding of collaboration, team-work, problem-solving and health careers. Top scoring teams will advance to Round Two and involves a team of five students who care for a patient in a team-based setting. Each student will draw his/her role at the site of the event. Teams will have 15 minutes to emergently caring for a standardized patient in a simulations scenario. Teams will need to properly initiate CPR, give medications and use an AED to have a return of pulses. Roles included in the scenario are as follows:

- **Team Leader:**
 - The conductor normally remains "hands off," he/she manages all of the participating disciplines. Orders medications and critical actions such as CPR and AED use. Maintains control of the situation. A good leader will not only give feedback to the team, such as increasing the speed or depth of compressions, they also ask for input from them, for example, "does anyone have any other ideas"
- **Nurse 1 & 2**
 - Confirms and administers medications
 - Helps with CPR, uses the AED, documents what and when the critical events took place
 - Reminds the team when actions need to be taken
 - May record observations on form
- **Respiratory Therapy:**
 - Primarily is in control of the airway.
 - Inserts oral or nasopharyngeal airways,
 - Is proficient with a bag valve mask, suctions patient as needed and helps with CPR.
- **Pharmacy:**
 - Pulls and prepares medications for use.
 - Often times having the medications prepared before they are ordered.

Dress Code: Competitors shall wear the HOSA uniform, proper business, or health professions attire. Bonus points will be awarded in both rounds 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 and in good standing in the category in which they are registered to compete.

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2. Competitors must be familiar with and adhere to the “General Rules and Regulations of the National HOSA Competitive Events Program (GRR).”
3. Teams will be composed of five (5) members. The composite test score from Round One will be used to qualify the team for the Round Two skills.
4. Round One Test Instructions: Each team will be evaluated in Round One by a thirty-five(35) item multiple choice written test. Competitors will be given sixty (60) minutes to complete the test, which will be administered during the event orientation session. No proxies are allowed for this event. Team scores will be averaged to determine who will qualify for Round Two. The average scores will be added to the final solution presentation for a final tally.

Round 1: Written Test Plan

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|--------------------------------|-----|
| • Members-Groups-Teams-Systems | 10% |
| • Group Development | 15% |
| • Team Building Blocks | 10% |
| • Perspectives on Leadership | 5% |
| • Leadership Building Blocks | 15% |
| • Relational Leadership | 15% |
| • Leveraging Diversity | 15% |
| • Health care personnel | 5% |
| • Anatomy and Physiology | 10% |

5. The scenario would be released to all competing teams on November 1
6. 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 are allowed for orientation.
7. Test instructions: There will be a maximum of 60 minutes to complete the test.
8. All official references are used in the development of the written test. The references for this event are:
 - Weiss, D., Tilin, F., Morgan, M., *The Interprofessional Health Care Team-Leadership and Development.*, Jones and Bartlett Learning.
 - Simmers, L., Simmers-Nartker, K., Simmers-Kobelak, S. (2009). *Diversified Health Occupations* (7th edition). Delmar, Cengage Learning. ISBN-13: 978-1-4180-3021-6
9. Upon arrival to the event, students will draw their role for the scenario. The scenario will be re-presented to the group following the drawing. The timing of the skill will begin when the scenario is presented. The scenario will be the same for each team and will include a challenging component that will require the competitors to apply critical thinking skills.
10. Competitors must complete all steps of the skill listed in the guidelines even if the steps must be simulated/verbalized. (If the equipment is available, the competitors would complete all steps of the skill as the scenario warrants. If the equipment is NOT available, the competitors would simulate/verbalize the steps.

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11. In performance of a skill scenario, competitors are required to follow the highest standard of care when treating victims. Competitors should follow the steps on the rating sheet unless the highest standard of care required differs from the steps on the rating sheet. Judges will know when the treatment of victims/patients differs slightly from the rating sheet and when the competitors provide medically acceptable care, and will award points accordingly.
12. Students will have fifteen (15) minutes to complete the team-based care scenario.
13. In case of a tie, the highest averaged test score will be used to determine the rank.

Sample Questions:

- 1) This member of the health care team works to treat individuals whose medical problems or other health-related conditions that impair their ability to move and perform activities of daily living.
 - a. Respiratory Therapist
 - b. Clinical Psychologist
 - c. Physical Therapist
 - d. Registered Dietician
- 2) A characteristic of an interdisciplinary group is(are)
 - a. Individual members that depend on themselves.
 - b. That they have nothing in common.
 - c. Having two or more individuals acting interdependently.
 - d. That they share common interests and goals.
 - e. Both c and d
- 3) Health professionals who are working together to achieve positive patient outcomes will be designated as
 - a. Teams
 - b. Groups
 - c. Gangs
 - d. Tribes
 - e. the “select few”
- 4) ___ theory conceptualizes all physical and social systems as integrated wholes as opposed to agglomerations of disparate pieces.
 - a. Teams
 - b. Community
 - c. Interdependent
 - d. Systems

Required Personnel:

1. One Event Manager per event
2. One Section Leader per section
3. Two-Three judges per section
4. Proctors for testing
5. One-two event assistants per section
6. Holding room attendants
7. Timekeepers (if necessary)
8. One QA to provide quality assurance for the event by ensuring that the guidelines are followed and all event documents are complete.

Competitors must provide:

- Event Guidelines
- #2 lead pencils with eraser
- Barrier supplies for each competitor (gloves)
- BVM device

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Facilities, Equipment, and Materials (Per Section)

- Clinical stations for selected skills
- Holding rooms
- Written Scenario
- Calculators, note pads, pencils for judges
- Stopwatch
- Assorted props, which may include pillows and/or blankets
- Rating sheets-one per judge per team
- Evaluation forms-competitor, judge, and personnel
- #2 lead pencils with eraser to complete evaluations

Round One: Written Test

- One pre-numbered test copy per competitor
- Scantron/answer form for each competitor

Round Two: Skills Equipment

- AED (Trainer=\$75) (Actual=\$1200)
- Manikin (Upper Torso= \$600) (Full Body=\$2500)
- Electronic Display Monitor (Downloadable App---FREE)
- Fluids Bag (\$3)
- IV (\$1.50)
- Medications (\$2/box)
- Bed/Ambulance Cot (\$500)

Event Flow Chart

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