

Phlebotomy

2023-2024 MICHIGAN HOSA EVENT MODIFICATIONS FOR REGIONAL CONFERENCES!



New Event for 2023 – 2024

These guidelines are written for ILC. States may modify events or have different event processes and deadlines. Be sure to check with your Local/State Advisor (or state website) to determine how the event is implemented for the regional/area or state conference. These guidelines are specifically for Michigan HOSA members in preparation for the regional leadership conferences. For more information about regionals, please visit www.michiganhosa.org/regionals.

Event Summary

The phlebotomist event provides members with the opportunity to gain knowledge and skills required in phlebotomy. This competitive event consists of 2 rounds. Round One will be a written, multiple-choice test and top scoring competitors will advance to Round Two for the skills assessment. This event aims to inspire members to use critical thinking skills and be equipped with insight to treat patients in a clinical setting. At the regional level, all teams will advance to the round two- skill round. The test scores will be combined with the skill scores for final rating

Sponsorship

This competitive event is sponsored by the [American Medical Technologists](http://www.amt.org).



Dress Code

Competitors shall wear proper business attire or official HOSA uniform or attire appropriate to the occupational area during testing. Round 2 skill events require attire appropriate to the occupational area be worn. Bonus points will be awarded for [proper dress](#). At the regional level, teams can wear the occupational appropriate attire to test in, in addition to the skills. They do NOT need to change into business attire to take the test. Bonus points will not be added for proper dress, but judges/event managers will make note if competitors are NOT in proper dress which could result in overall point deduction.

Competitors must provide:

- A [photo ID](#)
- Non-latex gloves, gown, goggles or safety glasses, mask, eye shield or face guard
- Two #2 lead pencils (not mechanical) with eraser for both rounds
- Sterile gloves

General Rules

1. Competitors in this event must be active members of HOSA and in good standing.
2. **Eligible Divisions:** Secondary and Postsecondary/Collegiate divisions 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 \(GRR\)](#)."
 - A. Per the [GRRs](#) 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.
 - B. To request accommodation for any regional/area or state level conferences, submit the request form [here](#) by your state published deadline. Accommodations must first be done at state in order to be considered for ILC. **Regional accommodations MUST be submitted two weeks prior to your regional conference date. Email Samantha.pohl@mhc.org for questions.**
4. All competitors shall report to the site of the event at the time designated for each round of competition. At ILC, competitor's [photo ID](#) must be presented prior to ALL competition rounds. **Event managers will be checking photo IDs at the regional level as well. A digital copy of a photo is appropriate (i.e. picture on phone of photo ID on school portal).**
5. Competitors should compete in skill events at the highest level of training. An example would be students enrolled in an advanced practice nursing course should compete in Clinical Nursing and not Nursing Assisting.

Official References

6. All official references are used in the development of the written test and skill rating sheets. AMT has developed numerous resources to help competitors prepare and event staff organize this event. Visit <https://americanmedtech.org/HOSA> for more information.
7. [Booth, Kathryn and Lillian Mundt. *Phlebotomy: A Competency Based Approach*. McGraw Hill, Latest edition.](#)
8. [McCall, Ruth. *Phlebotomy Essentials*. Jones & Bartlett, Latest edition.](#)

Round One Test

9. [Test Instructions](#): The written test will consist of 50 multiple choice items in a maximum of 60 minutes.
10. **Time Remaining Announcements:** There will be NO verbal announcements for time remaining during ILC testing. All ILC testing will be completed in the Testing Center and competitors are

responsible for monitoring their own time. **There will be NO verbal announcements for time remaining during regional testing. Students are responsible for monitoring their own time.**

11. **Written Test Plan**

- Obtaining Blood Samples (including which tubes are used for specific tests)42%
- Specimen Collection & Processing.....16%
- Time Management & Assignment Organization.....8%
- Professional Communications.....4%
- Clerical Skills & Duties.....4%
- Safety Standards & Procedures.....10%
- Legal, Ethical, & Professional Considerations.....8%
- Terminology, Anatomy, & Physiology.....8%

12. The test score from Round One will be used to qualify the competitor for Round Two. **All teams will advance to the round two skills.**

13. **Sample Test Questions**

1. Which of the following veins would be last-choice for venipuncture due to being close to the median nerve and the brachial artery? (McCall pp 233)
 - A. Median Cubital
 - B. Median Basilic Vein**
 - C. Median Vein
 - D. Median Cephalic Vein

2. Which of the following tubes would you invert gently six to eight times immediately after the blood draw? (McCall pp 458-459)
 - A. Yellow top
 - B. Royal blue top
 - C. Plain red top
 - D. Lavender top**

3. Which of the following White Blood Cells release histamine and heparin and are normally the least numerous? (Booth 138-139)
 - A. Lymphocytes
 - B. Eosinophils
 - C. Basophils**
 - D. Neutrophils

Round Two Skills Highlighted in yellow are the two skills that will be evaluated at the regional level.

14. Round Two is the performance of a selected skill(s). The Round Two skills approved for this event are:

Skill I:	Handwashing	4 minutes
Skill II:	Tourniquet Application	2 minutes
Skill III:	Routine ETS Venipuncture, Including Order of Draw	10 minutes
Skill IV:	Steps to Follow if a Patient Starts to Faint During Venipuncture	5 minutes
Skill V:	Heel Puncture	5 minutes
Skill VI:	Removing Contaminated Gloves	3 minutes
Skill VII:	Accidental Arterial Stick	5 minutes
Skill VIII:	24 Hour Urine Collection	5 minutes

(FOR ALL SKILLS, BODY FLUIDS WILL BE A SIMULATED PRODUCT)

15. The selected skill(s) will be presented to competitors as a written scenario at the beginning of the round. The scenario will be the same for each competitor and will include a challenging component that will require the competitors to apply critical thinking skills. A sample scenario can be found [here](#).
16. Timing will begin when the scenario is presented to the competitor and will be stopped at the end of the time allowed.
17. The scenario is a secret topic that includes the Physician's Orders for the skill(s) to be performed. Competitors MAY NOT discuss or reveal the secret topic until after the event has concluded or will face penalties per the [GRRs](#).
18. Judges will provide information to competitors as directed by the rating sheets. Competitors may ask questions of the judges while performing skills if the questions relate to patient's condition and will be included in the scenario or judge script.

Final Scoring

19. The competitor must earn a score of 70% or higher on the combined skill(s) of the event (excluding the test) in order to be recognized as an award winner at the ILC.
20. Final rank is determined by adding the round one test score plus round two skill score. In case of a tie, the highest test score will be used to determine the rank.

PHLEBOTOMY

Section # _____ Division: _____ SS _____ PS/C
 Competitor # _____ Judge's Signature _____

Competitor will be wearing gloves as they have begun the routine ETS venipuncture. Patient is sitting in chair.

Skill IV: Fainting During Venipuncture Skill (Time: 5 minutes)		Possible	Awarded
1.	Verbally recognized a minimum of four signs and symptoms of syncope. (Paleness, perspiration, hyperventilation, vertigo, dizziness, light-headedness, nausea, tunnel vision, fading hearing).	4	0
2.	<i>Judge states, "heavy perspiration, pale skin, and shallow or fast breathing is noted".</i> Immediately released the tourniquet.	2	0
3.	Removed the needle and activated the safety device and discarded.	2	0
4.	Called for help.	2	0
5.	Applied pressure to the site.	2	0
6.	Stood in front of the phlebotomy chair or next to the bedside to prevent patient from falling or slipping.	2	0
7.	Lower the patient's head and arms by placing both between the patient's knees.	2	0
8.	Instructed patient to breathe deeply.	2	0
9.	Loosened tight clothing.	2	0
10.	Verbalized to judge that no ammonia inhalant was used.	2	0
11.	Applied a cold compress or wet washcloth to the forehead and back of the neck if available.	2	0
12.	Provided the patient with basin, trash can or other container if experiences nausea and vomiting.	2	0
13.	Remained with patient until appropriate personnel arrives. <i>Judge states, "Outpatient supervisor OR charge nurse has arrived".</i>	2	0
14.	Documented incident on HOSA chart.	2	0
15.	Removed and disposed of gloves, and washed hands or used alcohol-based handrub for hand hygiene.	2	0
16.	Used appropriate verbal and nonverbal communication with patient and other personnel.	2	0
17.	Practiced standard precautions throughout skill.	2	0
TOTAL POINTS – SKILL IV 70% Mastery for Skill IV = 25.2		36	

PHLEBOTOMY

Section # _____ Division: _____ SS _____ PS/C
 Competitor # _____ Judge's Signature _____

Venipuncture has been completed and soiled gloves are to be removed.

Skill VI: Removing Contaminated Gloves (Time: 3 minutes)		Possible	Awarded
1.	Grasped the outside of one glove below the wrist with the opposite gloved hand.	2	0
2.	Pulled the glove inside out, over the hand.	2	0
3.	Pulled the glove off the hand and held in the gloved hand.	2	0
4.	Slipped fingers of nongloved hand under the wrist of the gloved hand.	2	0
5.	Pulled the glove inside out over the hand so that the glove ended up inside the second glove, with no exterior glove surfaces exposed.	2	0
6.	Dropped contaminated gloves into the proper waste receptacle.	2	0
7.	Washed hands or used alcohol-based handrub for hand hygiene.	2	0
8.	No contact was made with the contaminated area throughout the procedure.	2	0
TOTAL POINTS -- SKILL VI		16	
70% Mastery for Skill VI = 11.2			