

2021-2022 Equipment List For Competitive Event Management

Formerly called the “Gotta-Have-It Chart”

This file lists ALL the equipment and supplies HOSA needs to provide for competition. As of September 2020, these supplies are no longer listed in the event guidelines. The guidelines focus only on the supplies the competitor must provide – this chart includes everything needed by event personnel to successfully organize and run the events behind the scenes. For specifics on all event management implementation, visit: [MANAGING COMPETITIVE EVENTS](#).

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ALL Testing Events/Rounds:

Behavioral Health	Cultural Diversity & Disparities	Dental Term
Human Growth	Medical Law	Medical Math
Medical Reading	Medical Spelling	Medical Terminology
Nutrition	Pathophysiology	Pharmacology
Biomedical Lab	Clinical Nursing	Dental Science
Home Health Aide	Medical Assisting	Nursing Assisting
Pharmacy Science	Physical Therapy	Sports Medicine
Veterinary Science	Healthy Lifestyle	Organizational Leadership
CERT	CPR/First Aid	EMT
Epidemiology	Biomedical Debate	Creative Problem Solving
Forensic Science	HOSA Bowl	Parliamentary Procedure
Health Career Exploration	Foundations of Med Term	Math for Health Careers
Life Threatening Situations	Dynamic Decisions	Healthcare Issues Exam
Health Informatics	Foundations of Nutrition	Foundations of Medical Reading

Written Tests:

- Testing Set with tables/chairs for the number of registered competitors (see [HOSA Room Set](#))
- Tables/chairs for event personnel to provide check-in/check-out process & materials distribution
- Competitor list(s) for check-in
- Pre-numbered tests-one per competitor
- Scantron/answer forms- one per competitor
- Clock or timer (phones in airplane mode if using for timing)
- Evaluation Forms – enough for competitors and personnel
- #2 lead pencils with eraser to complete evaluations (event personnel)
- Master Summary Form- one per event

Medical Math, Pharmacology, Pharmacy Science, Epidemiology and Health Informatics (*add the following*):

- Basic Function Calculator
- 2 Sheets of blank paper

Biomedical Debate

Round Two Debate:

- Debate room – 2 team tables, one podium, one judge table, Special Set (see [HOSA Room Set](#))
- Copy of event topic for judges
- Competitor list(s) for check-in
- Rating Sheets – one affirmative and one negative per judge per team
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand Sanitizer (alcohol based handrub)
- Stopwatch and/or timer, one per section (phones in airplane mode if using for timing)
- Timekeeper log-one per section
- Section Summary Form- one per section/Master Summary Form-one per event
- Cards for drawing affirmative or negative
- Affirmative/Negative signs for team tables
- Biomedical Debate Script- one per judge
- Clipboards for judges (optional)
- A bracket diagram for “seeding” teams

Biomedical Laboratory Science

Round Two Skills, General:

- Clinical and/or laboratory stations for selected skills or Basic Set (see [HOSA Room Set](#))
- Holding rooms or areas for competitors (if off-site)
- Written scenario- copies for competitors, judges, section leaders
- Patient and judge scripts as needed
- Competitor list(s) for check-in
- Rating Sheets – one per judge per competitor
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch(es) (phones in airplane mode if using for timing)

Skill I: Identification of Laboratory Instruments/Equipment (Estridge & Reynolds & Daughtery)

- Blank rating sheets – one per competitor
- 15 instruments or photos from the following list:

24-hr Urine Specimen Container	Clinical Centrifuge	N95 Respirator	Single-Use Lancet
Acetest	Coagulation Instrument	Needleless Transfer Device	Slide Staining Rack
Agar Plate	Culture Swabs & Transport Tubes	Perianal Paddle Kit	Sterile Vacuum Tube for Urine
Agar Shield	Disposable Needle Holder with Safety Guard	pH Indicator Strips	Stool Specimen Container
Analytical Balance	Electric Incinerator	pH Meter	Tabletop Autoclave
Automatic Slide Stainer	Emergency Eye Wash Station	Pipet Aids	Test Tubes
Bacteriological Incubator	Erlenmeyer Flask	Plastic Vacuum Tubes	Top-Loading Balance
Beakers	Fume Hood	Platelet Aggregation Profiler	Tourniquet
Beral (Transfer) Pipet	Glucose Meter	Point-of-Care Coagulation Analyzer	Transmission Electronic Microscope
Binocular Bright-Field Microscope	Graduated Cylinders	Rapid-Latex Agglutination Test for D-Dimer	Urine Particle Analyzer
Blood Collection Tubes	Hemocytometer	Refractometer	Urine Reagent Strip
Blood Bank Refrigerator	Inoculating Loop	Saf-T Wing Blood Collection Set	Urine Sterile Collecting Straw
Candle Jar	Manual Differential Cell Counter	Safety Shower	Urine Strip Reader
Capillary Collection Vials	Microhematocrit Centrifuge	Safety Syringes	Urinometer
Chromatographic Immunoassay for Urine hCG	Microhematocrit Tubes with Sealant Pad	Scanning Electron Microscope	Volumetric Flask
Clean-Catch Urine Collection Kit	Micropipettes	Serological Centrifuge	

Skill II: Infection Control and transmission-based precautions (Estridge & Reynold)

- Sink
- Antiseptic soap OR waterless antiseptic handrub
- Paper towels
- Disposal receptacle for used items
- Biohazard bags or other plastic bags with labeling for materials

Skill III: Inoculate and streak an Agar Plate (Estridge & Reynolds)

- Pre-inoculated (simulated) swabs stored in capped culture tube or swab packaging
- Blood agar plates
- Sterile disposable inoculating loops, 3 per competitor
- Incubator set at 35-37 degrees Celsius (may be simulated)
- Waterproof marker (fine-point Sharpie®)
- Biohazard receptacle

Biomedical Laboratory Science Cont'd

Skill IV: Using a Microscope (Estridge & Reynolds)

- Microscope with low, high power and oil-immersion lenses (For the purpose of this skill performance, a monocular microscope is recommended. If a binocular microscope is used, the normal step of adjusting the oculars to fit the interpupillary distance of the user is omitted because of the need for the judge to see the image as well and to save the time the frequent adjustments would cause.)
- Lens paper
- Prepared slides
- Immersion oil
- Materials for cleaning microscope
- Lens cleaner

Skill V: ABO Grouping (Estridge & Reynolds)

- ABO Grouping Kit which includes four simulated blood samples, one bottle each of simulated Anti-A & Anti-B Serum and 40 blood typing trays (possible source: [fisher scientific](#))
- Antiseptic
- EDTA anticoagulated blood specimen (simulated)
- Lab timer
- Pen or pencil for labeling slides
- Applicator sticks or stirrers
- Disposable plastic pipets
- Anti-A
- Anti-B
- Cell typing slides
- ABO Laboratory Report (one for each competitor, in guidelines)
- Answer key for judges
- Surface disinfectant
- Biohazard receptacle

Skill VI: Gram Stain (Estridge & Reynolds)

- Sink with tap water and/or distilled water from beaker or plastic squeeze bottle (w/Pasteur pipette)
- Gram stain kit or individual gram stain reagents (safranin)
- Microscope
- Staining rack
- Lens paper/gauze or soft tissue/paper towels
- Bibulous paper
- Lab timer
- Saline
- Biohazard container/ Sharps container
- Surface disinfectant
- Forceps or spring clothespin
- Prepared smear (one per competitor)

Biomedical Laboratory Science Cont'd

Skill VII: Preparing a Laboratory Solution (Estridge & Reynolds)

- Hand antiseptic
- Pipets, volumetric and serological (TD)
- Pipet-aids
- Pipet filler-dispenser
- Beakers
- Graduated cylinders
- Distilled water or saline solution (solvent)
- Solute
- Lab tissue or paper towels
- Appropriate cleaning solution
- Surface disinfectant
- Biohazard receptacle
- "Storage Area" with equipment to choose from, labeled solvents and solutes, and a cleaning solution in a container

CERT Skills

Round Two Skills, General:

- Stations or off-site locations for selected skills or Basic Set (see [HOSA Room Set](#))
- Holding rooms or areas for competitors (if off-site)
- Written scenario- copies for competitors, judges, section leaders
- Patient and judge scripts as needed
- Competitor list(s) for check-in
- Rating Sheets – one per judge per team
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch and/or timer, one per section (phones in airplane mode if using for timing)
- Timekeeper log-one per section
- Section Summary Form- one per section/Master Summary Form-one per event
- Flashlight – two per section
- Blankets – two per section
- Additional props as needed per scenario/guidelines
- Clipboards for judges (optional)

Skill I: Treating Life Threatening Conditions

- Two patients – manikin or patient
- Moulage for bleeding patient
- Commercial tourniquet
- Cardboard, blanket or jacket

Skill II: Head-to-Toe Assessment

- Two patients
- Medical jewelry if called for in scenario
- Form 2-14 CERT Training Manual (CERT Victim Treatment Area Record)

Skill III: Lifts and Carries

- One patient who is small of stature (Skill III-A)
- Four patients – patient or manikin (Skill III-B)
- Chairs, tables and assorted furniture
- “Safe Area” sign
- Blanket-one per section

NOTE: No scenario required: this skill is designed to have teams demonstrate their ability to perform all five lifts of the rating sheet

Skill IV: Splinting a Closed Fracture

- One victim
- Assorted materials that could be used as splints, ties or padding (magazines, textbooks, boards, cardboard)

Clinical Nursing

Round Two Skills, General:

- Clinical and/or laboratory stations for selected skills or Basic Set (see [HOSA Room Set](#))
- Holding rooms or areas for competitors (if off-site)
- List of competitors for check-in
- Patient and judge scripts as needed
- Patient chart with physician orders (scenario- copies for competitor, judges, section leaders)
- nurses' notes (in guidelines, one per competitor)
- #2 lead pencils (judges & evaluations)
- Stopwatch(es)
- Rating sheets-one per judge per competitor
- Evaluation forms-competitor, judge, event personnel
- Copy of guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Disposal receptacle for used items

Skill I, II & III: Administer Medication (Perry and Potter and Rosdahl and Kowalski)

- Sterile safety syringe of correct size
- Sterile safety syringes of incorrect sizes (to allow for choice)
- Labeled medication to be injected
- Labeled medications to serve as distractions (to allow for choice)
- Medication Administration Record (MAR) (in guidelines, one per competitor)
- Sharps container for needles/syringes
- Disinfectant for skin/alcohol wipes
- Injection pad or chase doll (manikin) for injection with identification band
- Patient (optional)
- Hospital beds or exam tables (with linens)
- Bedside or over bed table (if called for in the scenario)

Skill IV: Inserting a Nasogastric Tube (Rosdahl & Kowalski)

- Patient w/ID band
- Nasogastric tube
- Water-soluble substance (K –Y Jelly)
- Protective towel covering for patient
- Emesis basin
- Nonallergenic tape for marking placement and securing tubing
- Normal saline or sterile water, for irrigation
- Flashlight
- Tongue blade
- Irrigation set
- Tissues
- Clamp
- pH paper
- Glass of water (if allowed) with drinking straw
- 60-mL catheter tip syringe
- Rubber band and safety pin
- Suction equipment or tube feeding equipment

Clinical Nursing Cont'd

Skill V: Urethral Catheterization – Straight (Perry & Potter)

- Doll (*manikin) for catheterization with identification band
- Waterproof pads
- Soap, water, basin, washcloth
- Lamp or other light source (if applicable)
- Hospital beds or exam tables (with linens)
- Bedside or over bed table (if called for in the scenario)

Skill VI: Performing a Sterile Wound Irrigation (Rosdahl & Kowalski)

- Patient or manikin w/ ID band
- Hospital bed
- Disposable sterile irrigation pack/tray (one per competitor)
- Sterile irrigation solution, as ordered with label
- Empty irrigation bottle
- Marked biohazard bag
- Waterproof bed pad
- Bath blanket
- Sterile dressings as indicated for site selected
- Sterile 4 x 4 gauze
- Tape to apply new dressing
- Clean basin or irrigating pouch

Skill VII: Postmortem Care of the Body (Rosdahl & Kowalski)

- ID band and another identifier for manikin
- Manikin
- Hospital or other bed (with linens)
- Soap, water, basin, washcloth
- Ice bags (2), chipped ice and (2) containers for ice bag
- Towel or chin strap
- Tape
- Self-sealing property bag, dentures or glasses (per scenario)
- Fresh dressings (if indicated in scenario)
- Zippered body bag
- Incontinence pad
- Gauze squares for padding
- Ties for wrist and ankles
- Identification tags (3 tags for deceased)
- Note for any communicable disease (if indicated in scenario)

Skill VIII: Assisting the Patient with Postoperative Exercises (Rosdahl & Kowalski)

- Patient w/ID band
- Chair or hospital bed
- Pillow, bath blanket or large towel
- Incentive Spirometer

Clinical Specialty

- Interview room (one per section)-with conference table and chairs (see [HOSA Room Set](#))
- Competitor list(s) for check-in
- Rating Sheets – one per judge per competitor
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand Sanitizer (alcohol based handrub)
- Stopwatch and/or timer, one per section (phones in airplane mode if using for timing)
- Timekeeper log-one per section
- Section Summary Form- one per section/Master Summary Form-one per event
- List of competitors who have uploaded required materials to Tallo by deadline
- Flash card for 1 minute remaining, one per section
- Clipboards for judges (optional)

Community Awareness

- Presentation room (one per section)-with judge table w/ chairs (see [HOSA Room Set](#))
- Competitor list(s) for check-in
- Rating Sheets – one per judge per team
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand Sanitizer (alcohol based handrub)
- Stopwatch and/or timer, one per section (phones in airplane mode if using for timing)
- Timekeeper log-one per section
- Section Summary Form- one per section/Master Summary Form-one per event
- List of competitors who have uploaded required materials to Tallo by deadline
- Flash card for 1-minute remaining, one per section
- Clipboards for judges (optional)

CPR/First Aid

Round Two Skills, General

- Clinical and/or lab stations for selected skills or Basic Set (see [HOSA Room Set](#))
- Holding rooms or areas for competitors (if off-site)
- Written scenario- copies for competitors, judges, section leaders
- Stopwatch(es) (phones in airplane mode if using for timing)
- Patient and judge scripts as needed
- Rating Sheets – one per judge per team
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Moulage supplies (as needed per scenario)
- Medical information jewelry if called for in scenario
- Assorted props (may include pillows/blankets per skill)
- Biohazard receptacle (for PPE disposal)

Skill I: Severe Bleeding and Shock (DHO)

- One patient (check scenario for details)
- Moulage or artificial bleeding wound
- T-shirts for patient to protect from moulage
- Medical information jewelry if called for in scenario
- Tourniquet w/windlass
- Blanket

Skill II: Choking (Heartsaver First Aid CPR AED, AHA)

- One patient (check scenario for details)
- Pillow for patient - the person playing the role of the patient should wear an extra-large, loose fitting shirt so that a pillow can be placed under his/her shirt for protection, in the unlikely event that the competitor actually performs an abdominal thrust. It should be made clear to the competitor that the patient is NOT obese or pregnant.

Skill III: Compound Fracture and Splinting (Heartsaver First Aid CPR AED, AHA, DHO)

- One patient (check scenario for details)
- Moulage or artificial fracture/wound
- T-shirts for patient to protect from moulage
- Cold pack or bag and ice
- Towel
- Props or devices that can be used for splinting (magazines, textbooks, boards, cardboard)

Skill IV: Severe Burns (DHO)

- One patient (check scenario for details)
- Medical information jewelry if called for in scenario
- Moulage (check the scenario for details)
- Blanket
- Wash cloth and water

CPR/First Aid Cont'd

Skill V: Heat-Related Emergency (DHO)

- One patient (check scenario for details)
- Washcloth
- Water and water spray bottle
- Juice, drinking water or sports drink
- Sign indicating "cool area"
- Medical information jewelry if called for in scenario

Skill VI and VII: Adult BLS/CPR (BLS, AHA)

- Adult CPR Manikin

Skill VIII and IX: Adult BLS with AED (BLS, AHA)

- Adult CPR Manikin
- AED (with appropriate size batteries)

Skill X and XI: Infant BLS/CPR (BLS, AHA)

- Infant CPR Manikin

Creative Problem Solving/Dynamic Decisions

Round Two –Preparation Room:

- Room may hold multiple teams for multiple sections if large enough (see [HOSA Room Set](#))
- List of competitors for check-in
- Copy of secret problem – one for each team member and the judges
- Index cards w/pens or pencils for team notetaking
- Flip chart paper – as many pages as needed per team
- Flip chart pad or easel
- Colored markers
- Flash card for 1-minute remaining, one per section
- Stopwatch and/or timer, one per section (phones in airplane mode if using for timing)

Round Two –Presentation Room:

- Presentation room-one per section (see [HOSA Room Set](#))
- Flip chart pad or easel
- Masking tape or blue painters' tape (if self-adhesive flip chart paper not used)
- Flash card for 1-minute remaining, one per section
- Stopwatch, one per section (phones in airplane mode if using for timing)
- Rating sheets – one per judge per team
- Evaluation forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Timekeeper log-one per section
- Section Summary Form – one per section/Master Summary Form – one per event

Dental Science

Round Two Skills, General:

- Holding rooms or areas for competitors (if off-site)
- Written scenario- copies for judges, section leaders
- Patient and judge scripts as needed
- Competitor list(s) for check-in
- Rating Sheets – one per judge per competitor
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch(es) (phones in airplane mode if using for timing)

Skill I: Dental Instrument Identification

Amalgam Carrier	Burs	Elevators – Root-Tip	Periodontal Probe
Amalgam Carrier – Double Ended	Burs – Pear-Shaped	Elevators - Straight	Rongeurs
Amalgam Carrier – Single Ended	Burs – Inverted Cone	Endodontic Explorer	Sickle Scalers
Amalgam Condenser	Burs – Finishing	Evacuation Tip High-Volume-Velocity	Scissors – Crown & Bridge
Amalgam Well	Burs - Diamond	Forceps- Mandibular Universal – Cryer 151	Scissors – Suture
Anesthetic Aspirating Syringe	Burs - Round	Forceps- Maxillary Universal – Cryer 150	Spoon Excavator
Articulating Paper Holder with paper	Carvers- Discoid-Cleoid	Handpieces -Fiberoptic High-Speed	Tongue & Cheek Retractor
Bird Beak Pliers	Carvers - Hollenback	Handpieces – High-Speed	Universal Clamp
Bite-Wing Tabs	Composite Placement Instrument	Handpieces – Slow Speed with Contra Angle Attachment	Universal Clamps – Mandibular (Winged Clamp)
Bone File	Cotton Forceps (pliers)	Handpieces – Slow Speed with Prophy Angle Attachment	Universal Clamps – Mandibular (Wingless Clamp)
Burnisher – Ball	Curing Light	Hemostat	Universal Clamps – Maxillary (Winged Clamp)
Burnisher - Football	Dental Dam Forceps	Howe (or How) Pliers	Universal Clamps – Maxillary (Wingless Clamp)
Burnisher – T- Ball	Dental Dam Punch	Liner Applicator	Universal Matrix Band
Burnisher – Acorn	Elevators - Periosteal	Mouth Mirror	Woodson

Skill II: Assembly and Disassembly of Local Anesthetic Syringe (Phinney & Halstead)

- Aspirating syringe
- Soap and water or alcohol based handrub
- Needles of the correct size (Long and short needles 25 and 27 gauge)
- Labeled anesthetic to be injected
- Recapping device
- Sharps container
- Instrument tray
- Waste receptacle
- Hazardous waste receptacle
- Scenario that indicates the specific procedure and anesthetic the dentist will use
- Alcohol based handrub

Dental Science Cont'd

Skill III: Seat, Prepare and Dismiss Patient for Basic Dental Exam (Phinney & Halstead)

- Armamentarium
 - Dental clinic setting
 - Dental chair / lab stations
 - Dental light
 - Dental drape/napkin
 - Basic tray setup to include: mouth mirror, explorer, and cotton pliers
- Patient
- Pre-rinse
- Tissue
- Two cups
- Lip lubricant
- Patient napkin/drape with securing device
- Patient safety glasses
- Dental treatment room (operatory) with light and view box
- Patient Health History (including dental x-rays)
- Operator's Stool
- Rheostat
- Assistant's stool
- Soap and water (with sink) or alcohol based handrub
- Saliva ejector
- Evacuator tip
- Three-way syringe tip
- High- and low-speed dental handpieces
- Disposable covers/protective barriers (pre-set)

Skill IV: Treatment Room Disinfecting and Cleaning (Phinney & Halstead)

- Armamentarium
 - Dental clinic setting
 - Dental chair / lab stations
 - Dental light
 - Dental drape/napkin
 - Basic tray setup to include: mouth mirror, explorer, and cotton pliers
- Soap and water (with sink) or alcohol based handrub
- Utility gloves
- Disinfectant solution (in spray bottle)
- HVE Solution
- 4 x 4 gauze
- towels
- Tray with packaged instruments and auxiliary items
- Protective eyewear for patient
- Saliva ejector
- Evacuator tip
- Three-way syringe tip
- High- and low-speed dental handpieces
- Surface barriers

Dental Science Cont'd

Skill V: Patient Education - Brushing and Flossing (Phinney & Halstead)

- Patient (optional-judge can be patient)
- Typodont
- Soap and water (with sink) or alcohol based handrub
- Toothbrush
- Dental floss

Skill VI: Preparation, Manipulation, Delivery and Handling of Alginate Impressions (Phinney & Halstead)

- Soap and sink with water
- Alcohol based handrub
- Water measuring device
- Two flexible mixing bowls
- Alginate material (canister)
- Powder measuring device
- Flexible spatula/broad blade OR disposable spatula
- Mandibular and maxillary impression tray
- Disinfectant spray for alginate impression
- Paper towels
- Plastic bags – 1 per competitor
- Pen (Sharpie®) for labeling bag
- Utility gloves
- Surface disinfectant
- Towel or wiping cloth

Skill VII: Treatment of Contaminated Tray in the Sterilization Center (Phinney & Halstead)

- Simulated contaminated procedure tray with simulated waste, simulated soft biomedical waste, disposable sharps and 3-5 basic dental hand instruments
- Sharps container
- Biohazard waste container
- Ultrasonic Cleaning unit (can be simulated)
- Items for cleaning such as burs, dental dam clamps, or other small items to be secured in a small strainer.
- Ultrasonic basket
- Small strainer for small items
- Instrument / sterilization pouches (bags)
- Sink with running water
- Soap
- Towel (for drying instruments, 1 per competitor)
- Cold disinfectant/sterilant solution
- Cold disinfectant/sterilant solution container
- Isopropyl alcohol for cleaning handpieces
- Handpiece lubricant
- Indicator Tape
- Surface disinfectant
- Wiping cloths for cleaning
- Forceps
- alcohol based handrub

EMT

Round Two Skills, General:

- Stations for selected skills or Basic Set (see [HOSA Room Set](#))
- Holding rooms or areas for competitors (if off-site)
- Written scenario- copies for competitors, judges, section leaders
- Patient and judge scripts as needed
- Competitor list(s) for check-in
- Rating Sheets – one per judge per team
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch(es) (phones in airplane mode if using for timing)
- Assorted props, which may include pillows and/or blankets
- Moulage supplies (as needed per scenario)

Skill I: Patient Assessment – Trauma (National Registry EMT Skill Sheets)

- Patient(s)- as indicated in scenario

Skill II: Patient Assessment – Medical (National Registry EMT Skill Sheets)

- Patient(s)- as indicated in scenario

Skill III: BVM Ventilation: Apneic Adult Patient (National Registry EMT Skill Sheets)

- Oxygen cylinder (tank) may be simulated
- Oxygen regulator and attachments
- Airway management manikin (without electronic connections)
- Suction device
- Suction catheter

Skill IV-A: Joint Immobilization (National Registry EMT Skill Sheets)

- Patient
- Board splints (2 each size)

Skill IV-B: Long Bone Immobilization (National Registry EMT Skill Sheets)

- Patient
- Board splints (2 each size)

Skill V: Bleeding Control/Shock Management (National Registry EMT Skill Sheets)

- Patient
- Oxygen cylinder (tank) may be simulated

Skill VI: Cardiac Arrest Management/AED (National Registry EMT Skill Sheets)

- AED (with appropriate size batteries)
- CPR manikin

Skill VII: Oxygen Administration by Non-Rebreather Mask (National Registry EMT Skill Sheets)

- Oxygen cylinder (tank) may be simulated
- Regulator
- Non-rebreather mask

Exploring Medical Innovation

- Suggested set-up: If 8 ft. tables or banquet rounds are used, there may be two displays per table, usually placed in one long row per section. (see [HOSA Room Set](#))
- Competitor list(s) for check-in
- Rating Sheets – one per judge per team
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch and/or timer, one per section (phones in airplane mode if using for timing)
- Section Summary Form- one per section/Master Summary Form-one per event
- Clipboards for judges (optional)
- Tape measures-one per section
- Method for identifying team table spots
- Flash card for 1-minute remaining, one per section
- Team numbers for tables
- List of competitors who have uploaded required materials by deadline

Extemporaneous Health Poster

- Room large enough to accommodate competitors (see [HOSA Room Set](#))
- Secret Topic (1 per competitor)
- Competitor list(s) for check-in
- Rating Sheets – one per judge per competitor
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch and/or timer, one per section (phones in airplane mode if using for timing)
- Section Summary Form- one per section/Master Summary Form-one per event
- Equipment check sheet for student supplies (1 per competitor)
- White Poster Board (1 per competitor)
- Labels for poster (optional-1 per competitor)
- Trash container
- Clipboards-one per judge

Extemporaneous Writing

- Room with desks or tables for competitors, and table/chairs for event personnel to provide for registration and materials distribution. (See [HOSA Room Set](#))
- Computer lab with one computer per competitor and networked printer (optional)
- List of competitors for check-in
- One clock or timer
- One (1) copy of the topic for each competitor and judge
- Flash drives – one for each competitor
- Rating sheets – one per judge per competitor
- Evaluation Forms – competitor, judge, and personnel
- #2 lead pencils with eraser (for judges and evaluations)
- Copy of guidelines for judges
- Networked printer & laptop/desktop with sufficient ink and copy paper to print completed essays for judges
- Staplers
- Copy of the formatting requirements outlined in item #5 – 1 per competitor (only needed if a computer lab is being used)
- Large envelope for each competitor to submit their flash drive and/or printed paper (optional)
- Competitor labels for envelopes (optional)
- Sample essay for judge review (optional)
- Hand Sanitizer (alcohol based handrub)

Family Medicine Physician

- Interview room (one per section)-with conference table and chairs ([see HOSA Room Set](#))
- Competitor list(s) for check-in
- Rating Sheets – one per judge per competitor
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand Sanitizer (alcohol based handrub)
- Stopwatch and/or timer, one per section (phones in airplane mode if using for timing)
- Timekeeper log-one per section
- Section Summary Form- one per section/Master Summary Form-one per event
- Flash card for 1 minute remaining, one per section
- Clipboards for judges (optional)

Forensic Science

Round Two Case Study/Written Analysis:

- Case study room, two if physical evidence is provided, Special Set (see [HOSA Room Set](#))
- Copy of secret problem with written conclusion form– one for each team member and judge
- Case study props as needed per scenario
- Witness, actor/victim and judge scripts as needed
- Case study notes-one per judge and event manager
- Competitor list(s) for check-in
- Rating Sheets – one per judge per team
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch and/or timer, one per section (phones in airplane mode if using for timing)
- Section Summary Form- one per section/Master Summary Form-one per event
- Index cards (for team notes)
- Clipboards to be used by competitors during crime scene analysis (if needed)
- Flash card for 1-minute remaining, one per section

Health Career Display-Middle School

- Suggested set-up: If 8 ft. tables or banquet rounds are used, there may be two displays per table, usually placed in one long row per section. (see [HOSA Room Set](#))
- Competitor list(s) for check-in
- Rating Sheets – one per judge per team
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch and/or timer, one per section (phones in airplane mode if using for timing)
- Section Summary Form- one per section/Master Summary Form-one per event
- Clipboards for judges
- Tape measures-one per section
- Method for identifying team table spots
- Flash card for 1-minute remaining, one per section
- Team numbers for tables
- List of competitors who have uploaded required materials by deadline

Health Career Display-SS/PSC

Round One Display:

- Suggested set-up: If 8 ft. tables or banquet rounds are used, there may be two displays per table, usually placed in one long row per section. (see [HOSA Room Set](#))
- Competitor list(s) for check-in
- Rating Sheets – one per judge per team
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch and/or timer, one per section (phones in airplane mode if using for timing)
- Section Summary Form- one per section/Master Summary Form-one per event
- Clipboards for judges
- Tape measures-one per section
- Method for identifying team table spots
- List of competitors who have uploaded required materials to Tallo by deadline

Round Two Presentation:

- Competitor list(s) for check-in
- Rating Sheets – one per judge per team
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch and/or timer, one per section (phones in airplane mode if using for timing)
- Section Summary Form- one per section/Master Summary Form-one per event
- Flash card for 1-minute remaining, one per section
- Team numbers for tables
- Clipboards for judges

Health Career Photography

Round One Photos:

- Room large enough to accommodate portfolios (setup, photo display, and judging MAY BE all in the same room- see [HOSA Room Set](#))
- Competitor list(s) for check-in
- Rating Sheets – one per judge per competitor
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch and/or timer, one per section (phones in airplane mode if using for timing)
- Section Summary Form- one per section/Master Summary Form-one per event
- Method for identifying competitor table spots
- Index cards with section information
- Clipboards for judges (optional)
- List of competitors who have uploaded required materials to Tallo by deadline

Round Two Presentation:

- Interview room (optional-one per section)- conference style (see [HOSA Room Set](#))
- Competitor list(s) for check-in
- Rating Sheets – one per judge per competitor
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch and/or timer, one per section (phones in airplane mode if using for timing)
- Section Summary Form- one per section/Master Summary Form-one per event
- Clipboards for judges (optional)
- Flash card for 1-minute remaining, one per section

Health Career Preparation

- Room for orientation, and room(s) for interview (one per section)-with conference table and chairs (see [HOSA Room Set](#))
- Competitor list(s) for check-in
- Rating Sheets – one per judge per competitor
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch and/or timer, one per section (phones in airplane mode if using for timing)
- Timekeeper log-one per section
- Section Summary Form- one per section/Master Summary Form-one per event
- List of interview questions (secure item-one per judge)
- Flash card for 1-minute remaining, one per section
- Clipboards for judges (optional)
- List of competitors who have uploaded required materials by deadline

Health Education

- Presentation room-one per section (see [HOSA Room Set](#))
- Competitor list(s) for check-in
- Rating Sheets – one per judge per team
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch and/or timer, one per section (phones in airplane mode if using for timing)
- Section Summary Form- one per section/Master Summary Form-one per event
- Flash card for 1-minute remaining, one per section
- List of competitors who have uploaded required materials to Tallo by deadline

Healthy Lifestyle

Round Two Interview:

- Interview room, conference style, for each Round Two Section (see [HOSA Room Set](#))
- List of competitors for check-in
- Rating sheets – one per judge per competitor
- #2 lead pencils (judges & evaluations)
- Flash card for 1-minute remaining
- Stopwatch(es) (phones in airplane mode if using for timing)
- Evaluation forms-competitor, judge, event personnel
- Copy of guidelines for judges
- Hand sanitizer (alcohol based handrub)
- List of competitors who have uploaded required materials to Tallo by deadline

Home Health Aide

Round Two Skills, General:

- Clinical and/or lab stations for selected skills or Basic Set ([see HOSA Room Set](#))
- Holding rooms or areas for competitors (if off-site)
- Written scenario- copies for competitors, judges, section leaders
- Patient and judge scripts as needed
- Competitor list(s) for check-in
- Rating Sheets – one per judge per competitor
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Stopwatch(es) (phones in airplane mode if using for timing)
- Instruction Sheet and Daily record sheet (1 per competitor per scenario)

Skill I: Taking an Adult Tympanic Temperature (Spatz & Balduzzi)

- Patient
- Sink and paper towels OR hand sanitizer (alcohol-based handrub)
- Tympanic thermometer
- Waste container
- Disposable probe covers
- Bed or chair

Skill II: Taking an Apical Pulse (Spatz & Balduzzi)

- Patient
- Stethoscope, teaching
- Waste container
- Alcohol wipes
- Bed or chair

Skill III: Emptying a Urinary Drainage Unit (Spatz & Balduzzi)

- Patient
- Measuring device
- Paper towels (1 per competitor)
- Simulated urine (enough to refill bag for each competitor)
- Sink (or basin) for emptying simulated urine
- Alcohol wipes
- Bed or chair
- Urinary drainage bags (2 per section)

Skill IV: Changing a Dry Dressing Using Non-Sterile Technique (Spatz & Balduzzi)

- Patient
- Gauze 4x4 pads
- Tape for initial dressing
- Small waste bag (1 per competitor)
- Bed or chair

Home Health Aide Cont'd

Skill V: Giving a Back Rub (Spatz & Balduzzi)

- Patient
- Sink and paper towels OR hand sanitizer (alcohol-based handrub)
- Small towel (1 per competitor)
- Lotion
- Hamper (or plastic bag)
- Bed

Skill VI: Caring for Dentures (Spatz & Balduzzi)

- Patient
- Sink and paper towels OR alcohol-based handrub
- Toothbrush
- Toothpaste
- Dentures
- Dental cleaning tablet
- Denture cup
- Mouthwash
- Small cups
- Emesis basin
- Washcloth
- Small towel
- Bed or chair

Skill VII: Moving a Patient Up in Bed Using Drawsheet (Spatz & Balduzzi)

- Patient
- Drawsheet
- Bed linens, including bed blanket and/or top sheet
- Pillow
- Bed

Skill VIII: Applying Elasticized Stockings (Spatz & Balduzzi)

- Patient
- Knee-length elasticized stockings
- Bed and bed linens, including bed blanket and/or top sheet

HOSA Bowl

- One large room to accommodate personnel, teams, and as many observers as possible for semi-final and final rounds, Special Set (see [HOSA Room Set](#))
 - Two tables with 4 chairs each for competing teams.
 - Tables/chairs for judges and timekeeper.
 - Moderator's table or podium with (optional) microphone
- Two holding rooms (one for teams that have not yet competed, and one for winning teams awaiting next match)
- Competitor list(s) for check-in
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch and/or timer, one per section (phones in airplane mode if using for timing)
- Section Summary Form- one per section/Master Summary Form-one per event
- Lists of at least 50 items and responses (that progress from simple to difficult) per round for moderator and judges
 - For 8 teams proceeding to Round 2 – questions for Rounds 2-4 (buzzer rounds) – copies for judges and moderator(s)
 - For 16 teams proceeding to Round 2 – questions for Rounds 2-5 (buzzer rounds) – copies for judges and moderator(s)
 - For 32 teams proceeding to Round 2 – questions for Rounds 2-6 (buzzer rounds) – copies for judges and moderator(s)
- Bells or buzzer sets for each team
- A section diagram for “seeding” teams
- Judge’s score sheet for each round (one per section)
- Scoreboard (chalkboard, newsprint, other device for visible reference to scores) (optional)
- Copies of each standard reference will be available in Competitive Events Headquarters and/or at the event site.
- Red team and Green team signs for each section (optional)
- Large letters (A, B, C and D) to identify each individual team member, 2 sets for each section, may be color coded red and green
- HOSA Bowl competition script – one for each section

Interviewing Skills/Job Seeking Skills

- Interview room (one per section)-with conference table and chairs (see [HOSA Room Set](#))
- Competitor list(s) for check-in
- Rating Sheets – one per judge per competitor
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch and/or timer, one per section (phones in airplane mode if using for timing)
- Timekeeper log-one per section
- Section Summary Form- one per section/Master Summary Form-one per event
- List of interview questions (secure item-one per judge)
- Flash card for 1-minute remaining, one per section
- Clipboards for judges (optional)
- List of competitors who have uploaded required materials to Tallo by deadline
- List of Interviewing Skills competitors who did NOT upload required eligibility form as instructed so point can be deducted in Tabulations

Life Support Skills

- Clinical and/or lab stations for selected skills or Basic Set (see [HOSA Room Set](#))
- Written scenario- copies for competitors, judges, section leaders
- Patient and judge scripts as needed
- Competitor list(s) for check-in
- Rating Sheets – one per judge per competitor
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser to complete evaluations
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch(es) (phones in airplane mode if using for timing)
- Calculators, note pads, and pencils for judges
- Moulage supplies (as required per scenario)
- Assorted props (may include pillows/blankets per skill)
- List of competitors who did NOT upload required eligibility form as instructed so point can be deducted in Tabulations

Skill I: Adult BLS/CPR (BLS, AHA)

- CPR Adult Training Manikin

Skill II: Adult BLS/CPR with AED (BLS, AHA)

- CPR Adult Training Manikin
- AED

Skill III: Infant BLS/CPR (BLS, AHA)

- CPR Infant Training Manikin

Skill IV: Severe Bleeding (DHO)

- One patient (check scenario for details)
- Moulage or artificial non-latex bleeding wound
- T-shirt for patient using moulage
- Medical Jewelry as indicated by scenario

Skill V: Choking (BLS, AHA)

- One patient (check scenario for details)
- Pillow for patient - the person playing the role of the patient should wear an extra-large, loose fitting shirt so that a pillow can be placed under his/her shirt for protection, in the unlikely event that the competitor actually performs an abdominal thrust. It should be made clear to the competitor that the patient is NOT obese or pregnant.

Skill VI: Broken Bone/Sprain and Splinting (Heartsaver First Aid CPR AED, AHA)

- One patient (check scenario for details)
- Ice or Cold pack
- Towel
- Props or devices to be used for splinting such as magazines, textbooks, boards, or cardboard
- Medical Jewelry as indicated by scenario

Skill VII: Heat-Related Emergency (DHO)

- One patient (check scenario for details)

- Washcloth
- Water
- Juice or sport drink
- Ice or cold packs
- Medical Jewelry as indicated by scenario

Skill VIII: Severe Burns (DHO)

- One patient (check scenario for details)
- Medical information jewelry if called for in scenario
- Moulage (check the scenario for details)
- Blanket
- Wash cloth and water

Life Threatening Situations

Round Two Skills, General:

- Clinical and/or lab stations for selected skills or Basic Set (see [HOSA Room Set](#))
- Holding rooms or areas for competitors (if off-site)
- Written scenario- copies for competitors, judges, section leaders
- Injured person and judge scripts as needed
- Competitor list(s) for check-in
- Rating Sheets – one per judge per competitor
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch and/or timer, one per section (phones in airplane mode if using for timing)
- Timekeeper log-one per section
- Section Summary Form- one per section/Master Summary Form-one per event
- Moulage supplies (as needed per scenario)
- Assorted props (may include pillows/blankets per skill)
- Clipboards for judges (optional)

Skill I: Calling 911

- One injured person (check scenario for details)
- Phone to simulate 911 call

Skill II: Stop the Bleed

- One injured person (check scenario for details)
- Windlass rod tourniquet, if indicated
- Waste basket for glove disposal

Skill III: Positioning Unconscious Injured

- One injured person (check scenario for details)

Skill IV: Response to Violent Situation

- Two to three peers (actors) based on scenario
- Plus:
RUN-

- Clear escape route (signage may be used to indicate a safe vs. violent area in the room)
 - Phone (to simulate 911 call)
- HIDE-
- Hiding place with few windows (signage may be used)
 - Hiding place with lots of windows (signage may be used-serves as distractor for choosing the wrong location)
 - Desk, chair, table to block entry
 - Phone (to silence)
- FIGHT (no supplies needed – verbalized)

Medical Assisting

Round Two Skills, General:

- Clinical and/or lab stations for selected skills or Basic Set (see [HOSA Room Set](#))
- Holding rooms or areas for competitors (if off-site)
- Written scenario- copies for competitors, judges, section leaders
- Patient and judge scripts as needed
- Competitor list(s) for check-in
- Rating Sheets – one per judge per competitor
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch(es) (phones in airplane mode if using for timing)

Skill I: Perform a Telephone Screening (Blesi, Wise and Kelley-Arney, DHO)

- Patient
- Telephone
- HOSA Office Screening Chart and message form – 1 per competitor (in guidelines)
- Written information for judge (caller) with script that includes the caller's name, personal information, reason for call and important details related to the call
- Patient charts
- Physician message box (may be simulated)
- Note pads
- Paper clips

Skill II: Receive a New Patient and Create Electronic Chart (Blesi, Wise and Kelley-Arney, DHO)

- Patient
- PC with Adobe Acrobat reader
- Patient insurance card(s)
- Pen and clipboard for patient
- Blank copy and already completed (handwritten) copy of the HOSA Medical Office Registration Form (page 9 in the guidelines) Competitor gives the patient a blank copy in step #4, and the patient gives the competitor the completed handwritten form in step #6. Electronic copy of the HOSA Medical Office Registration form in [fillable PDF format](#).
- Scenario/information for filling out form that is not provided in the written HOSA Medical

Office Registration form and Insurance Card(s) with directions in scenario to obtain pdf from HOSA website

- Patient Chart

Skill VIII: Sterile Gloving (Blesi, Wise and Kelley-Arney, DHO)

- Waste container

Medical Assisting Cont'd

Skill III: Obtain and Record a Patient Health History (Blesi, Wise and Kelley-Arney, DHO)

- Note:** This skill will be EITHER on paper OR directly entered in the computer form
- Patient script with medical history details
- Computer with blank [Medical History Form](#)
- OR blank medical history form (1 per competitor in guidelines)
- Printer and paper (if computer is used)

Skill IV: Measure Height and Weight (Blesi, Wise and Kelley-Arney, DHO)

- Patient
- Clinical scale with balance weights and height indicator
- Paper towels
- Chair
- Scenario/patient chart - one per competitor
- Patient script

Skill V: Prepare & Assist with Physical Exam (Blesi, Wise and Kelley-Arney, DHO)

- Patient
- Patient chart with completed history and physical exam form
- Equipment needed for the exam (as described in the scenario)
- Mayo tray or countertop
- Towel
- Exam table
- Patient gown and drape (sheet or disposable drape)
- Labeled urine specimen container
- Small pillow
- Exam table paper
- Surface disinfectant and paper towels
- Waste basket or biohazard container
- Chair

Skill VI: Screen for Visual Acuity (Blesi, Wise and Kelley-Arney, DHO)

- Patient (w/glasses if indicated in scenario)
- Snellen chart on the wall
- Tape on floor 20 feet from chart
- Eye occlude – 1/competitor if disposable OR alcohol wipe to clean occluder after patient use
- Pointer

- Chair
- Jaeger chart
- Scenario with instructions for cleaning supplies
- Patient chart – 1 per competitor

Skill VII: Test Urine with Reagent Strip (Blesi, Wise and Kelley-Arney, DHO)

- Labeled urine specimen
- Laboratory report form – 1 per competitor (in guidelines)
- Bottle of reagent strips – 1 strip per competitor, one bottle per section
- Lab timer
- Waste container
- Surface disinfectant and paper towels
- Patient chart – 1 per competitor (in guidelines)

Medical Innovation

Round One Display:

- One large room to accommodate exhibits. Suggested set-up: If 8 ft. tables or banquet rounds are used, there may be two displays per table, usually placed in one long row per section. (see [HOSA Room Set](#))
- Competitor list(s) for check-in
- Rating Sheets – one per judge per team
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch and/or timer, one per section (phones in airplane mode if using for timing)
- Section Summary Form- one per section/Master Summary Form-one per event
- Clipboards for judges
- Method for identifying team table spots
- Tape measures-one per section
- List of competitors who have uploaded required materials to Tallo by deadline

Round Two Presentation:

- Competitor list(s) for check-in
- Rating Sheets – one per judge per team
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch and/or timer, one per section (phones in airplane mode if using for timing)
- Section Summary Form – one per section/Master Summary Form-one per event
- Flash card for 1 minutes remaining, one per section
- Clipboard for judges

Medical Spelling

Round Two Spell-down:

- One large room to accommodate seated competitors in semicircular rows and event personnel, Special Set (see [HOSA Room Set](#))
 - Table/chairs for judges, definer, and timekeeper
 - Moderator's lectern
- Competitor list(s) for check-in
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch and/or timer, one per section (phones in airplane mode if using for timing)
- Section Summary Form- one per section/Master Summary Form-one per event
- Numbered Medical Terms List-copies for all rounds (see guidelines for additional information)
- "Fish Bowls" or numbered boxes or devices to hold numbered cards
- Numbered cards: Numbers 1-100, Numbers 101-200, Numbers 201-300 (see guidelines for additional information)
- Copy of official references for the judges
- Numbers for chairs for spell down
- Lined paper for use by judges
- List of competitors for check-in
- Table/chairs for event personnel to provide for registration and distribution of materials
- Table/chairs for judges, definer, and timekeeper (see [HOSA Room Set](#))
- Chairs for competitors (arranged in semicircular rows)
- Moderator's lectern
- Computer (with speakers) and access to Taber's Audio Glossary
- Adequate Internet connection
- Copies for Moderator and each Judge:
 - Rounds 2 and 3, numbered 1 - 100 will be easy terms
 - Rounds 4, 5 and 6, numbered 101 – 200, will be moderate terms
 - Round 7 and beyond, numbered 201 – 300, will be difficult terms
 - An additional list of 100 very difficult terms will be available **at the International Leadership Conference** if all terms on the Round 7 & Beyond list are used before a winner is determined. This list will be numbered from 1 – 100
- "Fish bowls" or numbered boxes or devices to hold numbered cards – three (3) sets of numbered cards for each term on list(s) for the drawing by competitors
 - Fishbowl #1 = Numbers 1 – 100

- Fishbowl #2 = Numbers 101 – 200
- Fishbowl #3 = Numbers 201 – 300

*IF the very difficult round is needed, the numbers in fishbowl #1 will be returned to the bowl and Fishbowl #1 will be re-used.

MRC Partnership

- Rooms for presentation: Basic Set- (see [HOSA Room Set](#))
- Competitor list(s) for check-in
- Rating Sheets – one per judge per team
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch and/or timer, one per section (phones in airplane mode if using for timing)
- Section Summary Form- one per section/Master Summary Form-one per event
- Flash card for 1-minute remaining, one per section
- Clipboards for judges (optional)
- List of competitors who have uploaded required materials to Tallo by deadline

Nursing Assisting

Round Two Skills, General:

- Clinical and/or lab stations for selected skills or Basic Set ([see HOSA Room Set](#))
- Holding rooms or areas for competitors (if off-site)
- Written scenario- copies for competitors, judges, section leaders
- Patient and judge scripts as needed
- Competitor list(s) for check-in
- Rating Sheets – one per judge per competitor
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch(es) (phones in airplane mode if using for timing)

Skill I: Handwashing (Roe)

- Sink and paper towels
- Waste container
- Antimicrobial soap

Skill II: Donning a Full Set of PPE (Dugan)

- Sink and paper towels
- Waste container
- Soap

Skill III: Make an Unoccupied Closed Bed (Dugan & Roe)

- Hospital bed w/call light
- Pillows
- Laundry hamper
- Trash can liners for laundry hampers, 1 per competitor
- Linens (drawsheet or incontinence pad may be used)
- Blankets and spreads

Skill IV: Make an Occupied Bed (Dugan & Roe)

- Patient
- Hospital bed
- Pillow
- Laundry hamper
- Trash can liners for laundry hampers, 1 per competitor
- Linens (drawsheet or incontinence pad may be used)

- Bath Blankets and spreads

Skill V: Admitting a Patient (Roe)

- Patient
- ID Bracelet
- Admission paperwork including patient's belongings list (according to scenario)
- Patient belongings
- Labels for belongings
- Bedside table
- Overbed table
- Telephone (if indicated in scenario)
- Call light, TV & Light controls
- Blank nurses note for documentation, 1 per competitor

Nursing Assisting Cont'd

Skill VI: Transfer Patient (Dugan & Roe)

- Patient
- Hospital bed with linens
- Chair/wheelchair
- Blanket or sheet
- Patient robe and slippers
- Gait belt (competitor has option to use HOSA's or bring own)

Skill VII: Measure and Record Vital Signs (Roe)

- Patient
- Digital thermometer with disposable sheaths/probes. (Some digital thermometers use sheath covers while other more expensive thermometers use probe covers.)
- Biohazard Waste Container
- Sphygmomanometer
- Teaching stethoscope
- Antiseptic wipes
- Graphic Chart (1 per competitor-in guidelines)
- Tissues

Skill VIII: Ostomy Care (Roe)

- Patient/manikin
- Hospital bed with linens and call light
- Disposable protective pads (2 per competitor)
- Bath blanket
- Ostomy pouch (2)
- Plastic trash bag
- Disposable wipes
- Washcloth and warm water
- Towel
- Deodorant (if called for in scenario)
- Gowns (2) one to be removed and a clean gown, both with ties (Do NOT use a gown that opens at the shoulder)
- Waste container
- Blank nurses note for documentation, 1 per competitor

Organizational Leadership

- Process varies at the state level – Materials deemed necessary by state personnel to effectively identify their Voting Delegates for ILC.
- If a state uses the provided Voting Delegate test to help identify Voting Delegates, see the top of this document for materials helpful in managing a test at the state level.

Parliamentary Procedure

- Preparation room-one per section, Basic Set (see [HOSA Room Set](#))
- Meeting room-one per section, Special Set (see [HOSA Room Set](#))
- Competitor list(s) for check-in
- Rating Sheets – one per judge per team
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch and/or timer, one per section (phones in airplane mode if using for timing; prep & presentation rooms)
- Timekeeper log-one per section
- Section Summary Form- one per section/Master Summary Form-one per event
- Robert's Rules of Order, Newly Revised (Latest Edition) for judges and prep rooms
- Eight (8) copies of secret problem for each team, plus copies for judges
- Gavel-one per meeting room
- Blank paper to record minutes
- Clipboards for judges/evaluations (optional)
- Flash card for 1-minute remaining, one per section
- Event flowchart-one per section for event personnel
- List of competitors who have uploaded required materials to Tallo by deadline

Personal Care

- Clinical and/or lab stations for selected skills or Basic Set ([see HOSA Room Set](#))
- Holding rooms or areas for competitors (if off-site)
- Written scenario- copies for competitors, judges, section leaders
- Patient and judge scripts as needed
- Competitor list(s) for check-in
- Rating Sheets – one per judge per competitor
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch(es) (phones in airplane mode if using for timing)

Skill I: Handwashing (Roe)

- Sink and paper towels
- Waste container
- Antimicrobial soap

Skill II: Donning a Full Set of PPE (Dugan)

- Sink and paper towels
- Waste container
- Soap

Skill III: Make an Unoccupied Closed Bed (Dugan & Roe)

- Hospital bed w/call light
- Pillows
- Laundry hamper
- Trash can liners for laundry hampers, 1 per competitor
- Linens (drawsheet or incontinence pad may be used)
- Blankets and spreads

Skill IV: Make an Occupied Bed (Dugan & Roe)

- Patient
- Hospital bed
- Pillow
- Laundry hamper
- Trash can liners for laundry hampers, 1 per competitor

- Linens (drawsheet or incontinence pad may be used)
- Bath Blankets and spreads

Skill V: Admitting a Patient (Roe)

- Patient
- ID Bracelet
- Admission paperwork including patient's belongings list (according to scenario)
- Patient belongings
- Labels for belongings
- Bedside table
- Overbed table
- Telephone (if indicated in scenario)
- Call light, TV & Light controls
- Blank nurses note for documentation, 1 per competitor

Personal Care Cont'd

Skill VI: Transfer Patient (Dugan & Roe)

- Patient
- Hospital bed with linens
- Chair/wheelchair
- Blanket or sheet
- Patient robe and slippers
- Gait belt (competitor has option to use HOSA's or bring own)

Skill VII: Measure and Record Vital Signs (Roe)

- Patient
- Digital thermometer with disposable sheaths/probes. (Some digital thermometers use sheath covers while other more expensive thermometers use probe covers.)
- Biohazard Waste Container
- Sphygmomanometer
- Teaching stethoscope
- Antiseptic wipes
- Graphic Chart (1 per competitor-in guidelines)
- Tissues

Skill VIII: Ostomy Care (Roe)

- Patient/manikin
- Hospital bed with linens and call light
- Disposable protective pads (2 per competitor)
- Bath blanket
- Ostomy pouch (2)
- Plastic trash bag
- Disposable wipes
- Washcloth and warm water
- Towel
- Deodorant (if called for in scenario)
- Gowns (2) one to be removed and a clean gown, both with ties (Do NOT use a gown that opens at the shoulder)
- Waste container
- Blank nurses note for documentation, 1 per competitor

Pharmacy Science

Round Two Skills, General:

- Clinical and/or lab stations for selected skills or Basic Set (see [HOSA Room Set](#))
- Holding rooms or areas for competitors (if off-site)
- Written scenario- copies for competitors, judges, section leaders
- Patient and judge scripts as needed
- Competitor list(s) for check-in
- Rating Sheets – one per judge per competitor
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch(es) (phones in airplane mode if using for timing)
- Blank paper (2 sheets per competitor)
- Basic calculator (1 per competitor)

Skill I: Patient Screening for Pharmacist Consultation (Reference: All)

- Scenario explaining which screening(s) are to be done
- Screening checklist copies identified in the scenario (judges will use during rating of competitor – one per judge, in guidelines)
- Patient
- Patient Screening Form, one per competitor (pg.11 of guidelines)

Skill II: Verifying Content of Controlled Substance Prescription and DEA Number (Reference: Johnston)

- Scenario (must include the prescription to be verified)
- Prescription Verification Form (one per competitor –in guidelines)
- Sample controlled substance prescription with DEA number
- The prescription should include 5 missing items from the list of those required (copy list of verified items for judges to reference).

Skill III: Sterile Compounding: Withdrawing Liquid from a Vial (References: Johnston, Moini, McCartney)

- Transport vehicle (stainless steel cart, basket or tray to facilitate transfer)
- Hood (can be simulated – large enough to comfortably work under in DCA or Direct Compounding Area)
- Wipes for cleaning the transport vehicle and supplies
- Alcohol preps / swabs
- Vial to be used (should have stopper under flip top)

- Vials to serve as distractors
- Syringe and needle of correct size
- Directions for drug and amount to be withdrawn (scenario using brand or generic drug names)
- Biohazard container (puncture proof)
- Wastebasket (large enough for all competitors' gowns and paper from supplies)
- Stopwatch (phones in airplane mode if using for timing)
- Adjustable height chair OR adjustable height table (skill can be done either sitting or standing). One of the two (chair or table) will be adjustable.
- Scrap paper and pencil (2 sheets per competitor for calculations, if needed)
- Anteroom or signage for supply area

Pharmacy Science Cont'd

Skill IV: Non-Sterile Compounding: Preparing an Oral Suspension (References: McCartney)

- Smarties candy "tablets" or easily crushable demo dose drugs in Rx vials WITH LABELS that include drug name, tablet strength, lot number, expiration date
- Scenario including Completed recipe or formula using Master Formula Sheet (in guidelines)
- Prescription order for oral suspension
- Small Mortar and pestle
- Small bottle of suspending vehicle WITH LABELS that include agent, lot and expiration date (such as VersaFree by Humco)
- Liquid medication bottle as indicated by scenario
- Correct label to be used w/ additional labels to serve as distraction
- Auxiliary Labels (Shake well, Refrigerate, Take with Food, Use By, etc.)
- Counting trays
- Spatula for counting tablets on tray
- Assorted graduated cylinders
- Bottle brushes (for cleaning graduated cylinders)
- Sink, paper towels, and soap for equipment cleanup and handwashing
- Transport vehicle (stainless steel cart, basket or tray to facilitate transfer)
- Scrap paper and pencil (2 sheets per competitor for calculations, if needed)

Skill V: Identifying Pharmacy Instruments/Equipment (Reference: Moini)

Identify 15 instruments/equipment or photos from the following list:

Ampules	Eyewash Station	Intravenous System – Roller Clamp	Sharps Container
Autoclave	Heat Gun	Laminar Airflow Hood	Spatula
Auxiliary Labels	Hemostatic Forceps	Liquid Oral Syringe	Suppository Mold – Aluminum Type
Beaker Tongs	Hot Plate	Medication Containers	Suppository Mold – Plastic Type
Beakers	Indicator Strip (used for sterilization)	Medicine Cup	Syringes
Calibrated Spoon	Insulin Syringes	Medicine Dropper	Tablet Mold
Compounding Slabs or Disposable Slabs	Intravenous Injection	Mortar	Tissue Forceps
Conical Graduates	Intravenous System – Drip Chamber	Pestle	Transdermal Patch
Counting Trays	Intravenous System – Injection Port	Pipettes	Tuberculin Syringe

Crimper	Intravenous System – IV Solution Bag	Prefilled, Single-Dose Syringe	Weights
Cylindrical Graduates	Intravenous System – Piggyback Device	Safety Syringes	

Pharmacy Science Cont'd

Skill VI: Filling a Prescription (Reference: Johnston, Moini)

- Prescription (via the scenario)
- Patient/actor
- Hand sanitizer
- Correct computer-prepared prescription label and additional labels to act as distractors
- Auxiliary labels (such as take with food, for external use only, shake well)
- Counting tray & spatula
- Alcohol swab for cleaning counting tray & spatula
- Correct size medication container w/additional medication containers of incorrect size to act as distractors
- Correct medication tablets (Smarties or other candy may be used, or demo drugs are available for order) w/incorrect medication tablets to act as distractors
- Scrap paper and pencil (2 sheets per competitor for calculations, if needed)

Skill VII: Aseptic Garbing, Hand Washing and Gloving (Reference: McCartney)

- Sterile, foamed 70% Isopropyl Alcohol
- Pre-saturated surgical scrub sponge/brush
- Aseptic, lint-free, disposable towels
- Sterile sponge / brush
- Sink access (with or without foot pedals)
- Wastebasket
- Anteroom and Clean Room (could be simulated by signage or dividing areas within room)

Physical Therapy

Round Two Skills, General:

- Clinical and/or lab stations for selected skills or Basic Set (see [HOSA Room Set](#))
- Holding rooms or areas for competitors (if off-site)
- Written scenario- copies for competitors, judges, section leaders (scenario must include patient information and instructions from the therapist)
- Patient and judge scripts as needed
- Competitor list(s) for check-in
- Rating Sheets – one per judge per competitor
- Evaluation Forms- competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch(es)

Skill I: Ambulating with Transfer/Gait Belt (DHO & Pierson/Fairchild)

- Patient
- Bed with side rails OR Armed chair
- Patient robe and shoes/slippers with non-skid soles
- Gait belt (competitor has option to use HOSA's or bring own)
- Judge instructions – must indicate if patient is going to fall

Skill II: Ambulating with a Walker (DHO & Pierson/Fairchild)

- Patient
- Front Wheeled Walker
- Armed Chair
- Gait Belt (competitor has option to use HOSA's or bring own)
- Patient shoes/slippers with non-skid soles
- Judge instructions – must indicate if walker adjustments are needed
- Scenario- must indicate distance/time for ambulation)

Skill III: Ambulating with a Cane (DHO & Pierson/Fairchild)

- Patient
- Cane
- Armed Chair
- Gait Belt (competitor has option to use HOSA's or bring own)

- Patient shoes/slippers with non-skid soles
- Scenario – must indicate patient information and instructions from therapist that indicate the gait the therapist taught the patient
- Judge instructions – must indicate if cane adjustments are needed
- Scenario- must indicate distance/time for ambulation)

Skill IV: Range of Motion (DHO & Pierson/Fairchild)

- Patient
- Bed with sides rails OR PT table
- Bath blanket/linens as appropriate to setting
- Scenario – must indicate patient information and instructions from therapist that indicate the number of repetitions for each movement

Physical Therapy Cont'd

Skill V: Ambulating with Crutches (DHO & Pierson/Fairchild)

- Patient
- Crutches
- Armed Chair
- Gait Belt (competitor has option to use HOSA's or bring own)
- Scenario – must indicate patient information and instructions from therapist that indicate the gait the therapist taught the patient
- Judge instructions – must indicate if adjustments are needed for the crutches and the gait to be performed

Skill VI: Ice Pack Application (DHO)

- Patient
- Hospital bed with linens or exam table or table/chair
- Basin and sink
- Towels (2)
- Ice packs or plastic bags and ice w/ice scoop
- First aid tape
- Hamper
- Non-latex gloves
- Scenario – must indicate patient information and instructions from therapist that indicate the type of cold pack to be used and duration of treatment

Skill VII: Transfer from Supine to Sitting Position (Pierson/Fairchild)

- Patient
- Bed or mat

Skill VIII: Donning & Removing Transmission –Based Isolation Garments (DHO)

- Handrub
- Infectious waste container

NOTE for Event Personnel Implementation: Skills I, III, V and VI have multiple options. It may be helpful to modify the rating sheet before the event begins to make judging clearer and consistent. Once the scenario is finalized, cross out (or delete) the steps (points possible) on the rating sheet that will not apply to the selected skill.

Prepared Speaking

- Presentation room-one per section, Basic Set (see [HOSA Room Set](#))
- Event topic card for judges
- Competitor list(s) for check-in
- Rating Sheets – one per judge per competitor
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch and/or timer, one per section (phones in airplane mode if using for timing)
- Timekeeper log-one per section
- Section Summary Form- one per section/Master Summary Form-one per event
- Clipboards for judges (optional)
- Flash card for 1-minute remaining, one per section

Public Health

Both Rounds:

- Presentation room-one per section, Basic Set (see [HOSA Room Set](#))
- Event topic card for judges
- Competitor list(s) for check-in
- Rating Sheets – one per judge per team
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch and/or timer, one per section (phones in airplane mode if using for timing)
- Timekeeper log-one per section
- Section Summary Form- one per section/Master Summary Form-one per event
- Clipboards for judges (optional)
- Flash card for 1-minute remaining, one per section
- Table for team props & materials

Public Service Announcement

- Presentation room-one per section, Basic Set (see [HOSA Room Set](#))
- Event topic card for judges
- Competitor list(s) for check-in
- Rating Sheets – one per judge per team
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch and/or timer, one per section (phones in airplane mode if using for timing)
- Timekeeper log-one per section
- Section Summary Form- one per section/Master Summary Form-one per event
- Clipboards for judges (optional)
- Flash card for 1-minute remaining, one per section
- List of competitors who have uploaded required materials to Tallo by deadline

Researched Persuasive Writing and Speaking

- Room with lectern (podium) and table and chairs for judges, Basic Set (see [HOSA Room Set](#))
- Competitor list for check-in
- One (1) stopwatch for each section (phones in airplane mode if using for timing)
- Flash card for 1-minute remaining
- Large envelopes (optional – for collecting all copies of paper from competitor)
- Labels w/competitor info (optional: for envelope – 1 per competitor)
- Rating sheets – one per judge per competitor
- Evaluation Forms – competitor, judge, and personnel
- Copy of guidelines for judges
- #2 lead pencils (for judges & competitor evaluations)
- Hand Sanitizer (alcohol based handrub)
- List of competitors who have uploaded required materials to Tallo by deadline

Research Poster (SS/ PSC)

- Special Room Set (see [HOSA Room Set](#))
- Poster Session and Judging Room set-up options
 - Rent standing bulletin boards that the posters can be attached to:
 - 4 push pins per competitor
 - Painters tape/Velcro/push pins to attach posters to walls
 - 8 ft tables or banquet rounds (2 posters per table) if setting up the posters to lay flat on tables
- Competitor list for check-in
- Tape measure
- Method for identifying competitor table/bulletin board spots
- Rating sheets – one per judge per competitor
- Evaluation Forms – competitor, judge, and personnel
- #2 lead pencils (for judges & evaluations)
- Clipboards for judges
- Copy of guidelines and sample list of interview questions for judges
- Hand Sanitizer (alcohol based handrub)
- List of competitors who have uploaded required materials to Tallo by deadline
- Flash card for 1-minute remaining
- Stopwatch or timer, one per section (phones in airplane mode if using for timing)

Speaking Skills

- Presentation room-one per section, Basic Set (see [HOSA Room Set](#))
- Event topic card for judges
- Competitor list(s) for check-in
- Rating Sheets – one per judge per competitor
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch and/or timer, one per section (phones in airplane mode if using for timing)
- Timekeeper log-one per section
- Section Summary Form- one per section/Master Summary Form-one per event
- Clipboards for judges (optional)
- Flash card for 1-minute remaining, one per section
- List of competitors who did NOT upload required eligibility form as instructed so points can be deducted in Tabulations

Sports Medicine

Round Two Skills, General:

- Clinical and/or lab stations for selected skills or Basic Set (see [HOSA Room Set](#))
- Holding rooms or areas for competitors (if off-site)
- Written scenario- copies for competitors, judges, section leaders (scenario must include instructions from the athletic trainer)
- Patient and judge scripts as needed
- Competitor list(s) for check-in
- Rating Sheets – one per judge per competitor
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch(es) (phones in airplane mode if using for timing)
- Copy of resource pages for judge review
- Clipboards for judges (optional)

Skill I: Anatomical Landmark Identification (France & Prentice)

- Patient in t-shirt or tank top & shorts (for live demonstrations)
- Judge script with at least 21 specific anatomical locations identified from the upper & lower extremity areas listed in chart below
- Answer key for judges
- Small adhesive labels (any shape small enough to place on patient and stay on until removed)

Anatomy of the:	Bones (including bony landmarks & joint names)	Ligaments or Other Structures	Muscles (including origin & insertion, belly, & tendons)
Foot	Phalanges 1-5 Metatarsals Tarsals	Transverse arch Longitudinal arches	Adductor Hallucis Flexor/Extensor Digitorum Extensor Hallucis Longus
Ankle & Lower Leg	Tibia Fibula Tarsals	Anterior/Posterior Tibiofibular Anterior/Posterior Talofibular Calcaneofibular Deltoid	Fibularis(Peroneus) Longus/Brevis Extensor/Flexor Digitorum Longus Gastrocnemius Soleus Tibialis Anterior Extensor/Flexor Hallucis Longus Achilles Tendon
Anatomy of the:	Bones (including bony landmarks & joint names)	Ligaments or Other Structures	Muscles (including origin & insertion, belly, & tendons)

Knee	Femur Patella Tibia Fibula	Medial Collateral Lateral Collateral Patellar Ligament/Tendon	Rectus Femoris Vastus Lateralis Vastus Medialis Oblique Sartorius Gracilis Biceps Femoris Semitendinosus Semimembranosus Popliteus
Elbow & Forearm	Humerus Radius Ulna	Ulnar Collateral Radial Collateral Annular	Biceps/Triceps Brachioradialis Supinator Pronator Teres Pronator Quadratus Flexor/Extensor Carpi Ulnaris Flexor/Extensor Carpi Radialis
Wrist, Hand & Fingers	Phalanges 1-5 Carpals Metacarpals	Anatomical Snuffbox Thenar/Hypothenar Eminence	Flexor/Extensor Digiti Minimi Flexor/Extensor Pollicis Abductor Pollicis Longus
Shoulder	Clavicle Scapula Humerus	Sternoclavicular Acromioclavicular Glenohumeral Coracoclavicular Coracoacromial	Infraspinatus Teres Major/Minor Deltoid Biceps/ Triceps Rhomboids Major/Minor Levator Scapula Trapezius Serratus Anterior Latissimus Dorsi
Neck, Spine & Head	Cervical Spine 1-7 Thoracic Spine 1-12 Lumbar Spine 1-5 Parietal Occipital Temporal Zygomatic Frontal Nasal Maxilla Mandible	None	None

Sports Medicine Cont'd

Skill II: Joint Action & Maximum Range of Motion Identification (France & Prentice)

- Patient in t-shirt or tank top & shorts, if indicated in scenario

15 numbered photos from list in guidelines OR list of 15 poses if using live model

- Foot/Ankle eversion 20 degrees
- Foot/Ankle inversion 40 degrees
- Ankle dorsiflexion 20 degrees
- Ankle plantarflexion 45 degrees
- Knee flexion 140 degrees
- Hip adduction 40 degrees
- Hip abduction 45 degrees
- Hip extension 10 degrees
- Hip flexion 125 degrees
- Hip internal rotation 45 degrees

- Hip external rotation 45 degrees
- Shoulder flexion 180 degrees
- Shoulder extension 50 degrees
- Shoulder abduction 180 degrees
- Shoulder adduction 40 degrees
- Shoulder internal rotation 90 degrees
- Shoulder external rotation 90 degrees
- Elbow flexion 145 degrees
- Forearm pronation 80 degrees
- Forearm supination 85 degrees
- Wrist extension 70 degrees
- Wrist flexion 80 degrees
- Wrist radial deviation/abduction 20 degrees
- Wrist ulnar deviation/adduction 45 degrees
- Exam table or chair (if using live patient)
- Joint Action & Maximum ROM Identification worksheet (one per competitor, in guidelines)

Skills III A-D: Taping/Wrapping (Beam)

- Patient in t-shirt or tank top & shorts (shoulder spica may be done over shirt or tank top)
- Scenario
- Tape adherent spray
- Treatment table or chair(s), per scenario

Veterinary Science

Round Two Skills, General:

- Clinical and/or lab stations for selected skills or Basic Set (see [HOSA Room Sets](#))
- Holding rooms or areas for competitors (if off-site)
- Written scenario- copies for competitors, judges, section leaders
- Patient and judge scripts as needed
- Competitor list(s) for check-in
- Rating Sheets – one per judge per competitor
- Evaluation Forms – competitor, judge and personnel
- #2 lead pencils with eraser (judges & evaluations)
- Copy of Guidelines for judges
- Hand sanitizer (alcohol based handrub)
- Stopwatch(es) (phones in airplane mode if using for timing)

Skill I: Preparation of the Operative Site (Sirois)

- Written Scenario (must include patient's identity and surgical skill being performed)
- Progress notes (stating patient was bathed, surgical site clipped & scrubbed, and urine expressed)
- Surgical scrub/germicide (e.g., povidone-iodine or chlorhexidine scrub)
- Artificial animal
- Sterile forceps
- 10% Povidone iodine solution in a spray bottle
- Roll of 1" cloth tape
- Wrapped sterile bowl (2 per section)
- Waste bag
- 4x4 sterile gauze sponges (6 per competitor)

Skill II: Lifting and Restraining a Dog (Sirois)

- Scenario
- Small artificial dog
- Medium-sized artificial dog
- Exam table

Veterinary Science Cont'd

Skill III: Identify Equipment and Instruments (Reference: All resources)

Identify 15 instruments/equipment or photos from the following list:

Ambu Bag	Endotracheal Tubes & Laryngoscope	Mouth Speculum	Sharps Container
Autoclave	Fecal Floatation Kits	Needle Holders	Splints
Blair Hugger Warming Unit	Hoof Testers	Patient Warming System	Surgical Pack
Balling Gun	Insulin Syringe	Penrose Drains	Tetotomy or Iris Scissors
Barnes Dehorner	Lavale System	Pulse Oximeter	Through the Needle Catheter
Binocular Microscope	Leukopet System	Radiograph Machine	Tissue Forceps
Butterfly Catheter	Mayo Scissors	Reagent Strip Test	Tooth Float
Cattle Prod	Mayo Stands	Scalpel Blades	Trocar
Clipboard	Mobile Crash Cart	Semi-Automated External Defibrillator	Urinary Catheters
Colostrometer	Mobile X-Ray Unit	Senn Or Rake Retractor	Vacutainer

Skill IV: Simple Fecal Floatation (Sirois)

- Floatation solution (commercially prepared or water labeled “floatation solution”)
- Paper cups
- Simulated animal feces
- Tongue depressor
- 10 cm (4 x 4) gauze squares
- Shell vial or 15 mL conical centrifuge tube
- Cover slip
- Glass slide

Skill V: Identification of Companion Animal Breeds/Species (AKC and Cat Fancier web sites)

- 15 Breed/Species pictures from resource
 - o Dogs = American Kennel Club - www.akc.org
 - o Cats = The Cat Fanciers’ Association - www.cfainc.org
- Companion Animal Breeds Identification Sheet- (1 per competitor, in guidelines)

Skill VI: Wrapping a Surgical Pack

- Large wrap
- Instrument tray
- Layer of cloth or paper for second wrap
- Autoclave or gas sterilization indicator tape
- Alcohol-based handrub

Skill VII: Preparing a Feline to Obtain Temperature ([Preparing a Feline for Exam AAFP and ISFM Feline-Friendly Handling Guidelines](#))

- Artificial cat
- Carrier (front/door & top remove)
- Large towel
- Scenario (indicating if cat comes out of carrier easily or not)
- Synthetic FFP analog (simulated)