



**Curricular Standards Guide: CAATE  
Exam References: BOC**



**CAATE Curricular Standards Guide & BOC Exam References**

# WEB APPLICATIONS

## Acute Care Setting




### CAATE STANDARD

- 58: Incorporate patient education and self-care programs to engage patients and their families and friends to participate in their care and recovery.
- 73: Select and incorporate interventions (for pre-op patients, post-op patients, and patients with nonsurgical conditions) that align with the care plan. Interventions include (but are not limited to) the following:
  - Movement training (including gait training)
  - Motor control/proprioceptive activities
  - Task-specific functional training
  - Home care management
- 78: Select, fabricate, and/or customize prophylactic, assistive, and restrictive devices, materials, and Techniques for incorporation into the plan of care, including the following:
  - Durable medical equipment

### BOC EXAM REFERENCES

- Acute and Emergency Care in Athletic Training. Cleary, M. and Walsh Flannigan, K. Champaign, IL: Human Kinetics.
- Advanced Emergency Care and Transportation of the Sick and Injured. Pollack, A.N. and Beck, R.J. Burlington, MA: Jones & Bartlett Learning.
- Clinical Pathology for Athletic Trainers: Recognizing Systemic Disease. O'Conner, D.P. and Fincher, A.L. Thorofare, NJ: SLACK Inc.
- Emergency Care and Transportation of the Sick and Injured. Pollak, A.N. Burlington, MA: Jones & Bartlett Learning.
- Emergency Management for Sport and Physical Activity. Casa, D.J. and Stearns, R.L. Burlington, MA: Jones & Bartlett Learning.
- Emergency Response Management for the Athletic Trainers. Miller, M.G. and Berry, D.C. Philadelphia, PA: Wolters Kluwer.
- Foundations of Athletic Training: Prevention, Assessment and Management. Anderson, M. and Barnum, M. Philadelphia, PA: Wolters Kluwer.
- Fundamentals of Athletic Training. Cartwright, L. and Peer, K. Champaign, IL: Human Kinetics.
- Handbook of Neurological Sports Medicine: Concussion and Other Nervous System Injuries in the Athlete. Petraglia, A.L., Bailes, J.E. and Day, A.L. Champaign, IL: Human Kinetics.

	<ul style="list-style-type: none"> <li>• Medical Conditions in the Athlete. Walsh-Flanagan, K. and Cuppett, M. Champaign, IL: Human Kinetics.</li> <li>• Medical Language for Modern Health Care. Allan, D. and Basco, R. New York, NY: McGraw-Hill.</li> <li>• Medical Terminology Simplified. Gylys, B.A. and Masters, R.M. Philadelphia, PA: F.A. Davis.</li> <li>• Medical Terminology: With Case Studies in Sports Medicine. Walsh Flanagan, K. Thorofare, NJ: SLACK Inc.</li> <li>• Principles of Athletic Training: A Guide to Evidence-Based Clinical Practice. Prentice, W. New York, NY: McGraw-Hill.</li> <li>• Sports Emergency Care: A Team Approach. Rehberg, R.S. and Konin, J.G. Thorofare, NJ: SLACK Inc.</li> </ul>
<p>Assistive Devices</p> 	<p><b>CAATE STANDARD</b></p> <ul style="list-style-type: none"> <li>• 78: Select, fabricate, and/or customize prophylactic, assistive, and restrictive devices, materials, and techniques for incorporation into the plan of care, including the following:</li> <li>• Durable medical equipment</li> </ul> <p><b>BOC EXAM REFERENCES</b></p> <ul style="list-style-type: none"> <li>• Essentials of Physical Medicine and Rehabilitation. Frontera, W.R., Silver, J.K. and Rizzo, T.D. Philadelphia, PA: Elsevier.</li> <li>• Foundations of Athletic Training: Prevention, Assessment and Management. Anderson, M. and Barnum, M. Philadelphia, PA: Wolters Kluwer.</li> <li>• Fundamentals of Athletic Training. Cartwright, L. and Peer, K. Champaign, IL: Human Kinetics.</li> <li>• Orthopaedic Rehabilitation of the Athlete: Getting Back in the Game. Reider, B.C., Davies, G.J. and Provencher, M.T. St. Louis, MO: Elsevier Saunders.</li> <li>• Orthopedic Taping, Wrapping, Bracing, and Padding. Beam, J.W. Philadelphia, PA: F.A. Davis.</li> <li>• Principles of Athletic Training: A Guide to Evidence-Based Clinical Practice. Prentice, W. New York, NY: McGraw-Hill.</li> <li>• Rehabilitation of Musculoskeletal Injuries. Houglum P., Boyle-Walker K.L. and Houglum, D.E. Champaign, IL: Human Kinetics.</li> <li>• Rehabilitation Techniques for Sports Medicine and Athletic Training. Prentice, W.E. Thorofare, NJ: SLACK Inc.</li> </ul>

## Cardiopulmonary Rehabilitation



### CAATE STANDARD

- 71: Perform an examination to formulate a diagnosis and plan of care for patients with health conditions commonly seen in athletic training practice. This exam includes the following:
  - Obtaining a medical history from the patient or other individual
  - Identifying comorbidities and patients with complex medical conditions
  - Assessing function (including gait)
  - Selecting and using tests and measures that assess the following, as relevant to the patient's clinical presentation:
    - Cardiovascular system (including auscultation)
    - Respiratory system (including auscultation)
    - Specific functional tasks
  - Evaluating all results to determine a plan of care, including referral to the appropriate provider when indicated
- 73: Select and incorporate interventions (for pre-op patients, post-op patients, and patients with nonsurgical conditions) that align with the care plan. Interventions include (but are not limited to) the following:
  - Therapeutic and corrective exercise
  - Home care management
  - Cardiovascular training
- 79: Develop and implement strategies to mitigate the risk for long-term health conditions across the lifespan. These include (but are not limited to) the following conditions:
  - Cardiovascular disease

### BOC EXAM REFERENCES

- Advanced Exercise Physiology: Essential Concepts and Applications. Ehrman, J., Kerrigan, D. and Keteyian, S. Champaign, IL: Human Kinetics.
- Cardiopulmonary Exercise Testing in Children and Adolescents. Rowland, T. Champaign, IL: Human Kinetics.
- Clinical Exercise Physiology. Ehrman, J.K., Gordon, P.M., Visich, P.S. and Keteyian, S.J. Champaign, IL: Human Kinetics.
- Clinical Pathology for Athletic Trainers: Recognizing Systemic Disease. Bhojani, R.A., O'Conner, D.P. and Fincher, A.L. Thorofare, NJ: SLACK Inc.
- Clinical Pharmacology in Athletic Training. Cleary, M.A., Abdenour, T.E. and Pavlovich, M. Champaign, IL: Human Kinetics.

- Essentials of Anatomy and Physiology. Scanlon, V. and Sanders, T. Philadelphia, PA: F.A. Davis.
- Essentials of Physical Medicine and Rehabilitation. Frontera, W.R., Silver, J.K. and Rizzo, T.D. Philadelphia, PA: Elsevier.
- Essentials of Strength Training and Conditioning. Haff, G.G. and Triplett, N.T. Champaign, IL: Human Kinetics.
- Exercise Physiology: Theory and Application to Fitness and Performance. Powers, S., Howley, E. and Quindry, J. New York, NY: McGraw-Hill.
- Health & Wellness. Edlin, G. and Golanty, E. Burlington, MA: Jones & Bartlett Learning.
- Medical Conditions in the Athlete. Walsh Flanagan, K. and Cuppett, M. Champaign, IL: Human Kinetics.
- Pharmacology Clear & Simple. Watkins, C.J. Philadelphia, PA: F.A. Davis.
- Pharmacology in Rehabilitation. Ciccone, C.D. Philadelphia, PA: F.A. Davis.
- Pharmacology: An Introduction. Hitner, H. and Nagle, B. New York, NY: McGraw-Hill.
- Physiology of Sport and Exercise. Kenney, W.L., Wilmore, J.H. and Costill, D.L. Champaign, IL: Human Kinetics.
- Preventing Sudden Death in Sport & Physical Activity. Casa, D. and Stearns, R. Burlington, MA: Jones & Bartlett Learning.
- Principles of Athletic Training: A Guide to Evidence-Based Clinical Practice. Prentice, W. New York, NY: McGraw-Hill.
- Principles of Pharmacology for Athletic Trainers. Houglum, J., Harrelson, G.L. and Seefeldt, T.W. Thorofare, NJ: SLACK INC.
- Rehabilitation of Musculoskeletal Injuries. Houglum P., Boyle-Walker K.L. and Houglum, D.E. Champaign, IL: Human Kinetics.
- Rehabilitation Techniques for Sports Medicine and Athletic Training. Prentice, W.E. Thorofare, NJ: SLACK Inc.
- Sports Emergency Care: A Team Approach. Rehberg, R.S. and Konin, J.G. Thorofare, NJ: SLACK Inc.
- Therapeutic Exercise: Foundations and Techniques. Colby, L., Kisner, C. and Borstad, J. Philadelphia, PA: F.A. Davis.

## Emergency Care




### CAATE STANDARD


- 70: Evaluate and manage patients with acute conditions, including triaging conditions that are life-threatening or otherwise emergent.
- 85: Monitor and evaluate environmental conditions to make appropriate recommendations to start, stop, or modify activity in order to prevent environmental illness or injury.



### BOC EXAM REFERENCES


- Acute and Emergency Care in Athletic Training. Cleary, M. and Walsh Flannigan, K. Champaign, IL: Human Kinetics.
- Advanced Emergency Care and Transportation of the Sick and Injured. Pollack, A.N. and Beck, R.J. Burlington, MA: Jones & Bartlett Learning.
- Clinical Pathology for Athletic Trainers: Recognizing Systemic Disease. Bhojani, R.A., O'Conner, D.P. and Fincher, A.L. Thorofare, NJ: SLACK Inc.
- Emergency Care and Transportation of the Sick and Injured. Pollak, A.N. Burlington, MA: Jones & Bartlett Learning.
- Emergency Management for Sport and Physical Activity. Casa, D.J. and Stearns, R.L. Burlington, MA: Jones & Bartlett Learning.
- Emergency Response Management for the Athletic Trainers. Miller, M.G. and Berry, D.C. Philadelphia, PA: Wolters Kluwer.
- Essentials of Athletic Injury Management. Prentice, W. New York, NY: McGraw-Hill.
- Examination of Orthopedic & Athletic Injuries. Starkey, C. and Brown, S.D. Philadelphia, PA: F.A. Davis.
- Foundations of Athletic Training: Prevention, Assessment and Management. Anderson, M. and Barnum, M. Philadelphia, PA: Wolters Kluwer.
- Fundamentals of Athletic Training. Cartwright, L. and Peer, K. Champaign, IL: Human Kinetics.
- Handbook of Neurological Sports Medicine: Concussion and Other Nervous System Injuries in the Athlete. Petraglia, A.L., Bailes, J.E. and Day, A.L. Champaign, IL: Human Kinetics.
- Medical Conditions in the Athlete. Walsh Flanagan, K. and Cuppett, M. Champaign, IL: Human Kinetics.
- National Athletic Trainers' Association Position Statements. Dallas, TX: Journal of Athletic Training.
- Pharmacology Clear & Simple. Watkins, C.J. Philadelphia, PA: F.A. Davis.
- Pharmacology in Rehabilitation. Ciccone, C.D. Philadelphia, PA: F.A. Davis.

	<ul style="list-style-type: none"> <li>• Pharmacology: An Introduction. Hitner, H. and Nagle, B. New York, NY: McGraw-Hill.</li> <li>• Preventing Sudden Death in Sport &amp; Physical Activity. Casa, D. and Stearns, R. Burlington, MA: Jones &amp; Bartlett Learning.</li> <li>• Principles of Athletic Training: A Guide to Evidence-Based Clinical Practice. Prentice, W. New York, NY: McGraw-Hill.</li> <li>• Principles of Pharmacology for Athletic Trainers. Houglum, J., Harrelson, G.L. and Seefeldt, T.W. Thorofare, NJ: SLACK Inc.</li> <li>• Quick Questions in Heat-Related Illness and Hydration: Expert Advice in Sports Medicine. Lopez, R.M. Thorofare, NJ: SLACK Inc.</li> <li>• Sports Emergency Care: A Team Approach. Rehberg, R.S. and Konin, J.G. Thorofare, NJ: SLACK Inc.</li> </ul>
<p>Evidence-based Taping</p> 	<p><b>CAATE STANDARD</b></p> <ul style="list-style-type: none"> <li>• 78: Select, fabricate, and/or customize prophylactic, assistive, and restrictive devices, materials, and techniques for incorporation into the plan of care, including the following:             <ul style="list-style-type: none"> <li>○ Taping</li> </ul> </li> <li>• 86: Select, fit, and remove protective equipment to minimize the risk of injury or re-injury.</li> </ul> <p><b>BOC EXAM REFERENCES</b></p> <ul style="list-style-type: none"> <li>• Athletic Training and Sports Medicine: An Integrated Approach. Starkey, C. Burlington, MA: Jones &amp; Bartlett Learning.</li> <li>• Concepts of Athletic Training. Pfeiffer, R.P., Magnus, B.C. and Trowbridge, C.A. Burlington, MA: Jones &amp; Bartlett Learning.</li> <li>• Essentials of Athletic Injury Management. Prentice, W. New York, NY: McGraw-Hill.</li> <li>• Foundations of Athletic Training: Prevention, Assessment and Management. Anderson, M. and Barnum, M. Philadelphia, PA: Wolters Kluwer.</li> <li>• Fundamentals of Athletic Training. Cartwright, L. and Peer, K. Champaign, IL: Human Kinetics.</li> <li>• Orthopedic Taping, Wrapping, Bracing, and Padding. Beam, J.W. Philadelphia, PA: F.A. Davis.</li> <li>• Principles of Athletic Training: A Guide to Evidence-Based Clinical Practice. Prentice, W. New York, NY: McGraw-Hill.</li> </ul>



	<ul style="list-style-type: none"> <li>● Running Mechanics and Gait Analysis. Ferber, R. and MacDonald, S. Champaign, IL: Human Kinetics.</li> </ul>
<p>Exercise Patterns</p> 	<p><b>CAATE STANDARD</b></p> <ul style="list-style-type: none"> <li>● 73: Select and incorporate interventions (for pre-op patients, post-op patients, and patients with nonsurgical conditions) that align with the care plan. Interventions include (but are not limited to) the following:             <ul style="list-style-type: none"> <li>○ Therapeutic and corrective exercise</li> <li>○ Movement training (including gait training)</li> <li>○ Motor control/proprioceptive activities</li> <li>○ Task-specific functional training</li> </ul> </li> <li>● 82: Develop, implement, and supervise comprehensive programs to maximize sport performance that are safe and specific to the client's activity.</li> </ul> <p><b>BOC EXAM REFERENCES</b></p> <ul style="list-style-type: none"> <li>● Essentials of Physical Medicine and Rehabilitation. Frontera, W.R., Silver, J.K. and Rizzo, T.D. Philadelphia, PA: Elsevier.</li> <li>● Essentials of Strength Training and Conditioning. Haff, G.G. and Triplett, N.T. Champaign, IL: Human Kinetics.</li> <li>● Health &amp; Wellness. Edlin, G. and Golanty, E. Burlington, MA: Jones &amp; Bartlett Learning.</li> <li>● Low Back Disorders: Evidence-Based Prevention and Rehabilitation. McGill, S. Champaign, IL: Human Kinetics.</li> <li>● Orthopaedic Rehabilitation of the Athlete: Getting Back in the Game. Reider, B.C., Davies, G.J. and Provencher, M.T. St. Louis, MO: Elsevier Saunders.</li> <li>● Postural Correction. Johnson, J. Champaign, IL: Human Kinetics.</li> <li>● Principles of Athletic Training: A Guide to Evidence-Based Clinical Practice. Prentice, W. New York, NY: McGraw-Hill.</li> <li>● Rehabilitation of Musculoskeletal Injuries. Houglum P., Boyle-Walker K.L. and Houglum, D.E. Champaign, IL: Human Kinetics.</li> <li>● Rehabilitation Techniques for Sports Medicine and Athletic Training. Prentice, W.E. Thorofare, NJ: SLACK Inc.</li> <li>● Therapeutic Exercise: Foundations and Techniques. Colby, L., Kisner, C. and Borstad, J. Philadelphia, PA: F.A. Davis.</li> </ul>


<p style="text-align: center;">Gait</p> 	<p><b>CAATE STANDARD</b></p> <ul style="list-style-type: none"> <li>● 71: Perform an examination to formulate a diagnosis and plan of care for patients with health conditions commonly seen in athletic training practice. This exam includes the following:             <ul style="list-style-type: none"> <li>○ Assessing function (including gait)</li> </ul> </li> </ul> <p><b>BOC EXAM REFERENCES</b></p> <ul style="list-style-type: none"> <li>● Clinical Mechanics and Kinesiology. Loudon, J.K., Manske, R.C. and Reiman, M.P. Champaign, IL: Human Kinetics.</li> <li>● Essentials of Physical Medicine and Rehabilitation. Frontera, W.R., Silver, J.K. and Rizzo, T.D. Philadelphia, PA: Elsevier.</li> <li>● Examination of Musculoskeletal Injuries. Shultz, S.J., Houghlum, P.A. and Perrin, D.H. Champaign, IL: Human Kinetics.</li> <li>● Examination of Orthopedic &amp; Athletic Injuries. Starkey, C. and Brown, S.D. Philadelphia, PA: F.A. Davis.</li> <li>● Orthopedic Physical Assessment. Magee, D. and Manske, R. St. Louis, MO: Elsevier.</li> <li>● Principles of Athletic Training: A Guide to Evidence-Based Clinical Practice. Prentice, W. New York, NY: McGraw-Hill.</li> <li>● Rehabilitation of Musculoskeletal Injuries. Houghlum P., Boyle-Walker K.L. and Houghlum, D.E. Champaign, IL: Human Kinetics.</li> <li>● Rehabilitation Techniques for Sports Medicine and Athletic Training. Prentice, W.E. Thorofare, NJ: SLACK Inc.</li> <li>● Running Mechanics and Gait Analysis. Ferber, R. and MacDonald, S. Champaign, IL: Human Kinetics.</li> <li>● Therapeutic Exercise: Foundations and Techniques. Colby, L., Kisner, C. and Borstad, J. Philadelphia, PA: F.A. Davis.</li> </ul>
<p style="text-align: center;">Lines &amp; Tubes</p> 	<p><b>CAATE STANDARD</b></p> <ul style="list-style-type: none"> <li>● 70: Evaluate and manage patients with acute conditions, including triaging conditions that are life-threatening or otherwise emergent.</li> <li>● 71: Perform an examination to formulate a diagnosis and plan of care for patients with health conditions commonly seen in athletic training practice. This exam includes the following:             <ul style="list-style-type: none"> <li>○ Selecting and using tests and measures that assess the following, as relevant to the patient's clinical presentation:                 <ul style="list-style-type: none"> <li>■ Cardiovascular system</li> </ul> </li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>■ Gastrointestinal system</li> <li>■ Genitourinary system</li> <li>■ Pain level</li> <li>■ Respiratory system</li> </ul> <ul style="list-style-type: none"> <li>● 75: Administer medications or other therapeutic agents by the appropriate route of administration upon the order of a physician or other provider with legal prescribing authority.</li> </ul> <p><b>BOC EXAM REFERENCES</b></p> <ul style="list-style-type: none"> <li>● Clinical Pathology for Athletic Trainers: Recognizing Systemic Disease. Bhojani, R.A., O’Conner, D.P. and Fincher, A.L. Thorofare, NJ: SLACK Inc.</li> <li>● Clinical Pharmacology in Athletic Training. Cleary, M.A., Abdenour, T.E. and Pavlovich, M. Champaign, IL: Human Kinetics.</li> <li>● Davis’s Drug Guide for Rehabilitation Professionals. Ciccone, C.D. Philadelphia, PA: F.A. Davis Company.</li> <li>● Medical Conditions in the Athlete. Walsh Flanagan, K. and Cuppett, M. Champaign, IL: Human Kinetics.</li> <li>● Pharmacology Clear &amp; Simple. Watkins, C.J. Philadelphia, PA: F.A. Davis.</li> <li>● Pharmacology in Rehabilitation. Ciccone, C.D. Philadelphia, PA: F.A. Davis.</li> <li>● Pharmacology: An Introduction. Hitner, H. and Nagle, B. New York, NY: McGraw-Hill.</li> <li>● Principles of Pharmacology for Athletic Trainers. Houglum, J., Harrelson, G.L. and Seefeldt, T.W. Thorofare, NJ: SLACK Inc.</li> <li>● Preventing Sudden Death in Sport &amp; Physical Activity. Casa, D. and Stearns, R. Burlington, MA: Jones &amp; Bartlett Learning.</li> <li>● Sports Emergency Care: A Team Approach. Rehberg, R.S. and Konin, J.G. Thorofare, NJ: SLACK Inc.</li> </ul>
<p>MSK Decision Tree</p> 	<p><b>CAATE STANDARD</b></p> <ul style="list-style-type: none"> <li>● 58: Incorporate patient education and self-care programs to engage patients and their families and friends to participate in their care and recovery.</li> <li>● 64: Apply contemporary principles and practices of health informatics to the administration and delivery of patient care, including (but not limited to) the ability to do the following:             <ul style="list-style-type: none"> <li>○ Use data to drive informed decisions</li> </ul> </li> <li>● 69: Develop a care plan for each patient. The care plan includes (but is not limited to) the following:</li> </ul>

- Assessment of the patient on an ongoing basis and adjustment of care accordingly
- Collection, analysis, and use of patient-reported and clinician-rated outcome measures to improve patient care
- Consideration of the patient's goals and level of function in treatment decisions
- Discharge of the patient when goals are met, or the patient is no longer making progress
- Referral when warranted
- 71: Perform an examination to formulate a diagnosis and plan of care for patients with health conditions commonly seen in athletic training practice. This exam includes the following:
  - Obtaining a medical history from the patient or other individual
  - Identifying comorbidities and patients with complex medical conditions
  - Assessing function (including gait)
  - Selecting and using tests and measures that assess the following, as relevant to the patient's clinical presentation:
    - Musculoskeletal system
  - Evaluating all results to determine a plan of care, including referral to the
    - appropriate provider when indicated
- 73: Select and incorporate interventions (for pre-op patients, post-op patients, and patients with nonsurgical conditions) that align with the care plan. Interventions include (but are not limited to) the following:
  - Therapeutic and corrective exercise
  - Joint mobilization and manipulation
  - Soft tissue techniques
  - Movement training (including gait training)
  - Motor control/proprioceptive activities
  - Task-specific functional training
  - Therapeutic modalities
  - Home care management
  - Cardiovascular training

#### BOC EXAM REFERENCES


- Dutton's Orthopaedic: Examination, Evaluation and Intervention. Dutton, M. New York, NY: McGraw-Hill.



	<ul style="list-style-type: none"> <li>● Essentials of Physical Medicine and Rehabilitation. Frontera, W.R., Silver, J.K. and Rizzo, T.D. Philadelphia, PA: Elsevier.</li> <li>● Evidence into Practice Integrating Judgement, Values, and Research. Hack, L.M. and Gwyer, J. Philadelphia, PA: F.A. Davis.</li> <li>● Evidence-Based Practice in Athletic Training. Raab, S. and Craig, D. Champaign, IL: Human Kinetics.</li> <li>● Evidence-Guided Practice: A Framework for Clinical Decision Making in Athletic Training. Van Lunen, B.L., Hankemeier, D.A. and Welch, C.E. Thorofare, NJ: SLACK Inc.</li> <li>● Low Back Disorders: Evidence-Based Prevention and Rehabilitation. McGill, S. Champaign, IL: Human Kinetics.</li> <li>● Orthopaedic Rehabilitation of the Athlete: Getting Back in the Game. Reider, B.C., Davies, G.J. and Provencher, M.T. St. Louis, MO: Elsevier Saunders.</li> <li>● Rehabilitation of Musculoskeletal Injuries. Houglum P., Boyle-Walker K.L. and Houglum, D.E. Champaign, IL: Human Kinetics.</li> <li>● Rehabilitation Techniques for Sports Medicine and Athletic Training. Prentice, W.E. Thorofare, NJ: SLACK Inc.</li> <li>● Therapeutic Exercise: Foundations and Techniques. Colby, L., Kisner, C. and Borstad, J. Philadelphia, PA: F.A. Davis.</li> </ul>
<p>Medical Screening</p> 	<p><b>CAATE STANDARD</b></p> <ul style="list-style-type: none"> <li>● 69: Develop a care plan for each patient. The care plan includes (but is not limited to) the following:             <ul style="list-style-type: none"> <li>○ Assessment of the patient on an ongoing basis and adjustment of care accordingly</li> <li>○ Collection, analysis, and use of patient-reported and clinician-rated outcome measures to improve patient care</li> <li>○ Referral when warranted</li> </ul> </li> <li>● 71: Perform an examination to formulate a diagnosis and plan of care for patients with health conditions commonly seen in athletic training practice. This exam includes the following:             <ul style="list-style-type: none"> <li>○ Obtaining a medical history from the patient or other individual</li> <li>○ Identifying comorbidities and patients with complex medical conditions</li> <li>○ Assessing function (including gait)</li> <li>○ Selecting and using tests and measures that assess the following, as relevant to the patient's clinical presentation:                 <ul style="list-style-type: none"> <li>■ Cardiovascular system (including auscultation)</li> </ul> </li> </ul> </li> </ul>

- Endocrine system
- Gastrointestinal system
- Genitourinary system
- Integumentary system
- Musculoskeletal system
- Neurological system
- Pain level
- Reproductive system
- Respiratory system (including auscultation)
- Specific functional tasks
- Evaluating all results to determine a plan of care, including referral to the appropriate provider when indicated


#### BOC EXAM REFERENCES


- Advanced Emergency Care and Transportation of the Sick and Injured. Pollack, A.N. and Beck, R.J. Burlington, MA: Jones & Bartlett Learning.
- Atlas of Human Anatomy. Netter, F.H. Philadelphia, PA: Elsevier.
- Clinical Pathology for Athletic Trainers: Recognizing Systemic Disease. Bhojani, R.A., O'Conner, D.P. and Fincher, A.L. Thorofare, NJ: SLACK Inc.
- Emergency Care and Transportation of the Sick and Injured. Pollak, A.N. Burlington, MA: Jones & Bartlett Learning.
- Emergency Management for Sport and Physical Activity. Casa, D.J. and Stearns, R.L. Burlington, MA: Jones & Bartlett Learning.
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- Essentials of Anatomy and Physiology. Scanlon, V. and Sanders, T. Philadelphia, PA: F.A. Davis.
- Handbook of Neurological Sports Medicine: Concussion and Other Nervous System Injuries in the Athlete. Petraglia, A.L., Bailes, J.E. and Day, A.L. Champaign, IL:
- Human Kinetics.
- Medical Conditions in the Athlete. Walsh Flanagan, K. and Cuppett, M. Champaign, IL: Human Kinetics.
- Medical Language for Modern Health Care. Allan, D. and Basco, R. New York, NY: McGraw-Hill.
- Medical Terminology Simplified: A Programmed Learning Approach by Body System. Gylys, B. and Masters, R. Philadelphia, PA: F.A. Davis.

	<ul style="list-style-type: none"> <li>• Medical Terminology: With Case Studies in Sports Medicine. Walsh Flanagan, K. Thorofare, NJ: SLACK Inc.</li> <li>• National Athletic Trainers' Association Position Statements. Dallas, TX: Journal of Athletic Training.</li> <li>• Netter's Clinical Anatomy. Hansen, J.T. Philadelphia, PA: Elsevier.</li> <li>• Principles of Athletic Training: A Guide to Evidence-Based Clinical Practice. Prentice, W. New York, NY: McGraw-Hill.</li> <li>• Sports Emergency Care: A Team Approach. Rehberg, R.S. and Konin, J.G. Thorofare, NJ: SLACK Inc.</li> </ul>
<p>Mental Health</p> 	<p><b>CAATE STANDARD</b></p> <ul style="list-style-type: none"> <li>• 74: Educate patients regarding appropriate pharmacological agents for the management of their condition, including indications, contraindications, dosing, interactions, and adverse reactions.</li> <li>• 77: Identify, refer, and give support to patients with behavioral health conditions. Work with other health care professionals to monitor these patients' treatment, compliance, progress, and readiness to participate. These behavioral health conditions include (but are not limited to) the following:             <ul style="list-style-type: none"> <li>○ Suicidal ideation</li> <li>○ Depression</li> <li>○ Anxiety Disorder</li> <li>○ Psychosis</li> <li>○ Mania</li> <li>○ Eating Disorders</li> </ul> </li> <li>• 94: Develop and implement specific policies and procedures for the purposes of identifying patients with behavioral health problems and referring patients in crisis to qualified providers.</li> </ul> <p><b>BOC EXAM REFERENCES</b></p> <ul style="list-style-type: none"> <li>• Clinical Pathology for Athletic Trainers: Recognizing Systemic Disease. Bhojani, R.A., O'Conner, D.P. and Fincher, A.L. Thorofare, NJ: SLACK Inc.</li> <li>• Handbook of Neurological Sports Medicine: Concussion and Other Nervous System Injuries in the Athlete. Petraglia, A.L., Bailes, J.E. and Day, A.L. Champaign, IL: Human Kinetics.</li> <li>• Health &amp; Wellness. Edlin, G. and Golanty, E. Boston, MA: Jones &amp; Bartlett Learning.</li> </ul>

	<ul style="list-style-type: none"> <li>• Medical Conditions in the Athlete. Walsh-Flanagan, K. and Cuppett, M. Champaign, IL: Human Kinetics.</li> <li>• National Athletic Trainers' Association Position Statements.</li> <li>• Pharmacology Clear &amp; Simple. Watkins, C.J. Philadelphia, PA: F.A. Davis.</li> <li>• Pharmacology: An Introduction. Hitner, H. and Nagle, B. New York, NY: McGraw-Hill Education.</li> <li>• Principles of Pharmacology for Athletic Trainers. Houglum, J., Harrelson, G.L. and Seefeldt, T.W. Thorofare, NJ: SLACK Inc.</li> </ul>
<p>NeuroAnatomy</p> 	<p><b>CAATE STANDARD</b></p> <ul style="list-style-type: none"> <li>• 55: Students must gain foundational knowledge in human anatomy.</li> </ul> <p><b>BOC EXAM REFERENCES</b></p> <ul style="list-style-type: none"> <li>• Atlas of Human Anatomy. Netter, F.H. Philadelphia, PA: Elsevier.</li> <li>• Netter's Clinical Anatomy. Hansen, J.T. Philadelphia, PA: Elsevier.</li> <li>• Handbook of Neurological Sports Medicine: Concussion and Other Nervous System Injuries in the Athlete. Petraglia, A.L., Bailes, J.E. and Day, A.L. Champaign, IL: Human Kinetics.</li> </ul>
<p>NeuroExam</p> 	<p><b>CAATE STANDARD</b></p> <ul style="list-style-type: none"> <li>• 70: Evaluate and manage patients with acute conditions, including triaging conditions that are life-threatening or otherwise emergent. These include (but are not limited to) the following conditions:             <ul style="list-style-type: none"> <li>○ Cervical spine compromise</li> <li>○ Traumatic brain injury</li> </ul> </li> <li>• 71: Perform an examination to formulate a diagnosis and plan of care for patients with health conditions commonly seen in athletic training practice. This exam includes the following:             <ul style="list-style-type: none"> <li>○ Assessing function (including gait)</li> <li>○ Selecting and using tests and measures that assess the following, as relevant to the patient's clinical presentation:                 <ul style="list-style-type: none"> <li>■ Neurological system</li> <li>■ Pain level</li> <li>■ Specific functional tasks</li> </ul> </li> </ul> </li> <li>• 76: Evaluate and treat a patient who has sustained a concussion or other brain injury, with consideration of established guidelines.</li> </ul>




	<ul style="list-style-type: none"> <li>○ Performance of a comprehensive examination designed to recognize concussion or other brain injury, including (but not limited to) assessment of the vestibular system</li> </ul> <p><b>BOC EXAM REFERENCES</b></p> <ul style="list-style-type: none"> <li>● Clinical Pathology for Athletic Trainers: Recognizing Systemic Disease. Bhojani, R.A., O’Conner, D.P. and Fincher, A.L. Thorofare, NJ: SLACK Inc.</li> <li>● Examination of Musculoskeletal Injuries. Shultz, S.J., Houglum, P.A. and Perrin, D.H. Champaign, IL: Human Kinetics.</li> <li>● Examination of Orthopedic &amp; Athletic Injuries. Starkey, C. and Brown, S.D. Philadelphia, PA: F.A. Davis.</li> <li>● Handbook of Neurological Sports Medicine: Concussion and Other Nervous System Injuries in the Athlete. Petraglia, A.L., Bailes, J.E. and Day, A.L. Champaign, IL: Human Kinetics.</li> <li>● Medical Conditions in the Athlete. Walsh Flanagan, K. and Cuppett, M. Champaign, IL: Human Kinetics.</li> <li>● National Athletic Trainers’ Association Position Statements. Dallas, TX: Journal of Athletic Training.</li> <li>● Orthopedic Clinical Examination. Reiman, M. Champaign, IL: Human Kinetics.</li> <li>● Orthopedic Physical Assessment. Magee, D. and Manske, R. St. Louis, MO: Elsevier.</li> <li>● Principles of Athletic Training: A Guide to Evidence-Based Clinical Practice. Prentice, W. New York, NY: McGraw-Hill.</li> <li>● Textbook of Physical Diagnosis. Swartz, M.H. Philadelphia, PA: Elsevier.</li> </ul>
<p>NeuroRehab</p> 	<p><b>CAATE STANDARD</b></p> <ul style="list-style-type: none"> <li>● 71: Perform an examination to formulate a diagnosis and plan of care for patients with health conditions commonly seen in athletic training practice. This exam includes the following:             <ul style="list-style-type: none"> <li>○ Assessing function (including gait)</li> <li>○ Selecting and using tests and measures that assess the following, as relevant to the patient’s clinical presentation:                 <ul style="list-style-type: none"> <li>■ Neurological system</li> <li>■ Specific functional tasks</li> </ul> </li> </ul> </li> <li>● 73: Select and incorporate interventions (for pre-op patients, post-op patients, and patients with nonsurgical conditions) that align with the care plan. Interventions include (but are not limited to) the following:</li> </ul>

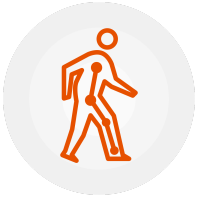
	<ul style="list-style-type: none"> <li>○ Therapeutic and corrective exercise</li> <li>○ Movement training (including gait training)</li> <li>○ Motor control/proprioceptive activities</li> <li>○ Task-specific functional training</li> <li>○ Home care management</li> <li>● 76 Evaluate and treat a patient who has sustained a concussion or other brain injury, with consideration of established guidelines:             <ul style="list-style-type: none"> <li>○ Performance of a comprehensive examination designed to recognize concussion or other brain injury, including (but not limited to) clinical interview</li> <li>○ Recognition of an atypical response to brain injury</li> <li>○ Return of the patient to activity/participation</li> </ul> </li> </ul> <p><b>BOC EXAM REFERENCES</b></p> <ul style="list-style-type: none"> <li>● Handbook of Neurological Sports Medicine: Concussion and Other Nervous System Injuries in the Athlete. Petraglia, A.L., Bailes, J.E. and Day, A.L. Champaign, IL: Human Kinetics.</li> </ul>
<p>Orthopaedics</p> 	<p><b>CAATE STANDARD</b></p> <ul style="list-style-type: none"> <li>● 69: Develop a care plan for each patient. The care plan includes (but not limited to) the following:             <ul style="list-style-type: none"> <li>○ Assessment of the patient on an ongoing basis and adjustment of care accordingly</li> <li>○ Collection, analysis, and use of patient-reported and clinician-rated outcome measures to improve patient care</li> </ul> </li> <li>● 71: Perform an examination to formulate a diagnosis and plan of care for patients with health conditions commonly seen in athletic training practice. This exam includes the following:             <ul style="list-style-type: none"> <li>○ Obtaining a medical history from the patient or other individual</li> <li>○ Identifying comorbidities and patients with complex medical conditions</li> <li>○ Assessing function (including gait)</li> <li>○ Selecting and using tests and measures that assess the following, as relevant to the patient's clinical presentation:                 <ul style="list-style-type: none"> <li>■ Musculoskeletal system</li> <li>■ Neurological system</li> <li>■ Pain level</li> <li>■ Specific functional tasks</li> </ul> </li> </ul> </li> </ul>

- Evaluating all results to determine a plan of care, including referral to the appropriate provider when indicated
- 73: Select and incorporate interventions (for pre-op patients, post-op patients, and patients with nonsurgical conditions) that align with the care plan. Interventions include (but are not limited to) the following:
  - Therapeutic and corrective exercise
  - Joint mobilization
  - Soft tissue techniques
  - Movement training (including gait training)
  - Motor control/proprioceptive activities
  - Task-specific functional training
  - Therapeutic modalities

#### BOC EXAM REFERENCES

- Dutton's Orthopaedic: Examination, Evaluation and Intervention. Dutton, M. New York, NY: McGraw-Hill.
- Essentials of Physical Medicine and Rehabilitation. Frontera, W.R., Silver, J.K. and Rizzo, T.D. Philadelphia, PA: Elsevier.
- Examination of Musculoskeletal Injuries. Shultz, S.J., Houglum, P.A. and Perrin, D.H. Champaign, IL: Human Kinetics.
- Examination of Orthopedic & Athletic Injuries. Starkey, C. and Brown, S.D. Philadelphia, PA: F.A. Davis.
- Foundations of Athletic Training: Prevention, Assessment and Management. Anderson, M. and Barnum, M. Philadelphia, PA: Wolters Kluwer.
- Low Back Disorders: Evidence-Based Prevention and Rehabilitation. McGill, S. Champaign, IL: Human Kinetics.
- Michlovitz's Modalities for Therapeutic Intervention. Bellow, J. and Nolan, T. Philadelphia, PA: F.A. Davis.
- Miller's Review of Orthopedics. Miller, M. and Thompson, S. St. Louis, MO: Elsevier.
- National Athletic Trainers' Association Position Statements. Dallas, TX: Journal of Athletic Training.
- Orthopaedic Rehabilitation of the Athlete: Getting Back in the Game. Reider, B.C., Davies, G.J. and Provencher, M.T. St. Louis, MO: Elsevier Saunders.
- Orthopedic Clinical Examination. Reiman, M. Champaign, IL: Human Kinetics.
- Orthopedic Physical Assessment. Magee, D. and Manske, R. St. Louis, MO: Elsevier.

	<ul style="list-style-type: none"> <li>• Postural Correction. Johnson, J. Champaign, IL: Human Kinetics.</li> <li>• Principles of Athletic Training: A Guide to Evidence-Based Clinical Practice. Prentice, W. New York, NY: McGraw-Hill.</li> <li>• Rehabilitation of Musculoskeletal Injuries. Houglum P., Boyle-Walker K.L. and Houglum, D.E. Champaign, IL: Human Kinetics.</li> <li>• Rehabilitation Techniques for Sports Medicine and Athletic Training. Prentice, W.E. Thorofare, NJ: SLACK Inc.</li> <li>• Textbook of Physical Diagnosis. Swartz, M.H. Philadelphia, PA: Elsevier.</li> <li>• Therapeutic Exercise: Foundations and Techniques. Colby, L., Kisner, C. and Borstad, J. Philadelphia, PA: F.A. Davis.</li> <li>• Therapeutic Modalities in Rehabilitation. Prentice, W. New York, NY: McGraw-Hill.</li> <li>• Therapeutic Modalities. Starkey, C. Philadelphia, PA: F.A. Davis.</li> <li>• Therapeutic Modalities for Musculoskeletal Injuries. Denegar, C.R., Saliba, E. and Saliba. S. Champaign, IL: Human Kinetics.</li> </ul>
<p style="text-align: center;">PNF</p> 	<p><b>CAATE STANDARD</b></p> <ul style="list-style-type: none"> <li>• 73: Select and incorporate interventions (for pre-op patients, post-op patients, and patients with nonsurgical conditions) that align with the care plan. Interventions include (but are not limited to) the following:             <ul style="list-style-type: none"> <li>○ Therapeutic and corrective exercise</li> <li>○ Movement training</li> <li>○ Motor control/proprioceptive activities</li> <li>○ Task-specific functional training</li> </ul> </li> </ul> <p><b>BOC EXAM REFERENCES</b></p> <ul style="list-style-type: none"> <li>• Essentials of Physical Medicine and Rehabilitation. Frontera, W.R., Silver, J.K. and Rizzo, T.D. Philadelphia, PA: Elsevier.</li> <li>• Low Back Disorders: Evidence-Based Prevention and Rehabilitation. McGill, S. Champaign, IL: Human Kinetics.</li> <li>• Orthopaedic Rehabilitation of the Athlete: Getting Back in the Game. Reider, B.C., Davies, G.J. and Provencher, M.T. St. Louis, MO: Elsevier Saunders.</li> <li>• Principles of Athletic Training: A Guide to Evidence-Based Clinical Practice. Prentice, W. New York, NY: McGraw-Hill.</li> <li>• Rehabilitation of Musculoskeletal Injuries. Houglum P., Boyle-Walker K.L. and Houglum, D.E. Champaign, IL: Human Kinetics.</li> </ul>

	<ul style="list-style-type: none"> <li>● Rehabilitation Techniques for Sports Medicine and Athletic Training. Prentice, W.E. Thorofare, NJ: SLACK Inc.</li> <li>● Therapeutic Exercise: Foundations and Techniques. Colby, L., Kisner, C. and Borstad, J. Philadelphia, PA: F.A. Davis.</li> </ul>
<p>Pediatric Gait VR</p> 	<p><b>CAATE STANDARD</b></p> <ul style="list-style-type: none"> <li>● 71: Perform an examination to formulate a diagnosis and plan of care for patients with health conditions commonly seen in athletic training practice. This exam includes the following:             <ul style="list-style-type: none"> <li>○ Assessing function (including gait)</li> </ul> </li> </ul> <p><b>BOC EXAM REFERENCES</b></p> <ul style="list-style-type: none"> <li>● Clinical Mechanics and Kinesiology. Loudon, J.K., Manske, R.C. and Reiman, M.P. Champaign, IL: Human Kinetics.</li> <li>● Essentials of Physical Medicine and Rehabilitation. Frontera, W.R., Silver, J.K. and Rizzo, T.D. Philadelphia, PA: Elsevier.</li> <li>● Examination of Musculoskeletal Injuries. Shultz, S.J., Hougum, P.A. and Perrin, D.H. Champaign, IL: Human Kinetics.</li> <li>● Examination of Orthopedic &amp; Athletic Injuries. Starkey, C. and Brown, S.D. Philadelphia, PA: F.A. Davis.</li> <li>● Orthopedic Physical Assessment. Magee, D. and Manske, R. St. Louis, MO: Elsevier.</li> <li>● Principles of Athletic Training: A Guide to Evidence-Based Clinical Practice. Prentice, W. New York, NY: McGraw-Hill.</li> <li>● Rehabilitation of Musculoskeletal Injuries. Hougum P., Boyle-Walker K.L. and Hougum, D.E. Champaign, IL: Human Kinetics.</li> <li>● Rehabilitation Techniques for Sports Medicine and Athletic Training. Prentice, W.E. Thorofare, NJ: SLACK Inc.</li> <li>● Running Mechanics and Gait Analysis. Ferber, R. and MacDonald, S. Champaign, IL: Human Kinetics.</li> <li>● Therapeutic Exercise: Foundations and Techniques. Colby, L., Kisner, C. and Borstad, J. Philadelphia, PA: F.A. Davis.</li> </ul>

## Pharmacology





### CAATE STANDARD

- 70: Evaluate and manage patients with acute conditions, including triaging conditions that are life-threatening or otherwise emergent. These include (but are not limited to) the following conditions:
  - Cardiac compromise (including nitroglycerine and low-dose aspirin)
  - Respiratory compromise (including use of meter-dose inhaler, nebulizers, and bronchodilators)
  - Anaphylaxis (including administering epinephrine)
  - Diabetes (administering glucagon, insulin)
  - Drug overdose (including administration of rescue medications such as naloxone)
- 74: Educate patients regarding appropriate pharmacological agents for the management of their condition, including indications, contraindications, dosing, interactions, and adverse reactions.
- 75: Administer medications or other therapeutic agents by the appropriate route of administration upon the order of a physician or other provider with legal prescribing authority.
- 84: Educate clients/patients about the effects, participation consequences, and risks of misuse and abuse of over-the-counter and prescription drugs.


### BOC EXAM REFERENCES


- Acute and Emergency Care in Athletic Training. Cleary, M. and Walsh Flannigan, K. Champaign, IL: Human Kinetics.
- Clinical Pathology for Athletic Trainers: Recognizing Systemic Disease. Bhojani, R.A., O'Conner, D.P. and Fincher, A.L. Thorofare, NJ: SLACK Inc.
- Clinical Pharmacology in Athletic Training. Cleary, M.A., Abdenour, T.E. and Pavlovich, M. Champaign, IL: Human Kinetics.
- Davis's Drug Guide for Rehabilitation Professionals. Ciccone, C.D. Philadelphia, PA: F.A. Davis Company.
- Emergency Care and Transportation of the Sick and Injured. Pollak, A.N. Burlington, MA: Jones & Bartlett Learning.
- Emergency Management for Sport and Physical Activity. Casa, D.J. and Stearns, R.L. Burlington, MA: Jones & Bartlett Learning.
- Emergency Response Management for the Athletic Trainers. Miller, M.G. and Berry, D.C. Philadelphia, PA: Wolters Kluwer.
- Medical Conditions in the Athlete. Walsh Flanagan, K. and Cuppett, M. Champaign, IL: Human Kinetics.

	<ul style="list-style-type: none"> <li>• National Athletic Trainers' Association Position Statements. Dallas, TX: Journal of Athletic Training.</li> <li>• Pharmacology: An Introduction. Hitner, H. and Nagle, B. New York, NY: McGraw-Hill.</li> <li>• Pharmacology Clear &amp; Simple. Watkins, C.J. Philadelphia, PA: F.A. Davis.</li> <li>• Pharmacology in Rehabilitation. Ciccone, C.D. Philadelphia, PA: F.A. Davis.</li> <li>• Preventing Sudden Death in Sport &amp; Physical Activity. Casa, D. and Stearns, R. Burlington, MA: Jones &amp; Bartlett Learning.</li> <li>• Principles of Athletic Training: A Guide to Evidence-Based Clinical Practice. Prentice, W. New York, NY: McGraw-Hill.</li> <li>• Principles of Pharmacology for Athletic Trainers. Houglum, J., Harrelson, G.L. and Seefeldt, T.W. Thorofare, NJ: SLACK Inc.</li> <li>• Rehabilitation Techniques for Sports Medicine and Athletic Training. Prentice, W.E. Thorofare, NJ: SLACK Inc.</li> <li>• Sports Emergency Care: A Team Approach. Rehberg, R.S. and Konin, J.G. Thorofare, NJ: SLACK Inc.</li> </ul>
<p>Physical Agents</p> 	<p><b>CAATE STANDARD</b></p> <ul style="list-style-type: none"> <li>• 58: Incorporate patient education and self-care programs to engage patients and their families and friends to participate in their care and recovery.</li> <li>• 73: Select and incorporate interventions (for pre-op patients, post-op patients, and patients with nonsurgical conditions) that align with the care plan. Interventions include (but are not limited to) the following:             <ul style="list-style-type: none"> <li>○ Therapeutic modalities</li> </ul> </li> </ul> <p><b>BOC EXAM REFERENCES</b></p> <ul style="list-style-type: none"> <li>• Clinical Pharmacology in Athletic Training. Cleary, M.A., Abdenour, T.E. and Pavlovich, M. Champaign, IL: Human Kinetics.</li> <li>• Essentials of Physical Medicine and Rehabilitation. Frontera, W.R., Silver, J.K. and Rizzo, T.D. Philadelphia, PA: Elsevier.</li> <li>• Michlovitz's Modalities for Therapeutic Intervention. Bellow, J. and Nolan, T. Philadelphia, PA: F.A. Davis.</li> <li>• Pharmacology: An Introduction. Hitner, H. and Nagle, B. New York, NY: McGraw-Hill.</li> <li>• Pharmacology Clear &amp; Simple. Watkins, C.J. Philadelphia, PA: F.A. Davis.</li> </ul>


	<ul style="list-style-type: none"> <li>● Principles of Athletic Training: A Guide to Evidence-Based Clinical Practice. Prentice, W. New York, NY: McGraw-Hill.</li> <li>● Principles of Pharmacology for Athletic Trainers. Houglum, J., Harrelson, G.L. and Seefeldt, T.W. Thorofare, NJ: SLACK Inc.</li> <li>● Rehabilitation of Musculoskeletal Injuries. Houglum P., Boyle-Walker K.L. and Houglum, D.E. Champaign, IL: Human Kinetics.</li> <li>● Rehabilitation Techniques for Sports Medicine and Athletic Training. Prentice, W.E. Thorofare, NJ: SLACK Inc.</li> <li>● Therapeutic Modalities in Rehabilitation. Prentice, W. New York, NY: McGraw-Hill.</li> <li>● Therapeutic Modalities. Starkey, C. Philadelphia, PA: F.A. Davis.</li> <li>● Therapeutic Modalities for Musculoskeletal Injuries. Denegar, C.R., Saliba, E. and Saliba. S. Champaign, IL: Human Kinetics.</li> </ul>
<p style="text-align: center;">Post-Op</p> 	<p><b>CAATE STANDARD</b></p> <ul style="list-style-type: none"> <li>● 69: Develop a care plan for each patient. The care plan includes (but is not limited to) the following:             <ul style="list-style-type: none"> <li>○ Assessment of the patient on an ongoing basis and adjustment of care accordingly</li> <li>○ Collection, analysis, and use of patient-reported and clinician-rated outcome measures to improve patient care</li> <li>○ Consideration of the patient's goals and level of function in treatment decisions</li> <li>○ Discharge of the patient when goals are met, or the patient is no longer making progress</li> </ul> </li> <li>● 73 Select and incorporate interventions (for post-op patients) that align with the care plan. Interventions include (but are not limited to) the following:             <ul style="list-style-type: none"> <li>○ Therapeutic and corrective exercise</li> <li>○ Joint mobilization</li> <li>○ Soft tissue techniques</li> <li>○ Movement training (including gait training)</li> <li>○ Motor control/proprioceptive activities</li> <li>○ Task-specific functional training</li> <li>○ Therapeutic modalities</li> <li>○ Home care management</li> <li>○ Cardiovascular training</li> </ul> </li> </ul>



	<p><b>BOC EXAM REFERENCES</b></p> <ul style="list-style-type: none"> <li>● Essentials of Physical Medicine and Rehabilitation. Frontera, W.R., Silver, J.K. and Rizzo, T.D. Philadelphia, PA: Elsevier.</li> <li>● Essentials of Strength Training and Conditioning. Haff, G.G. and Triplett, N.T. Champaign, IL: Human Kinetics.</li> <li>● Low Back Disorders: Evidence-Based Prevention and Rehabilitation. McGill, S. Champaign, IL: Human Kinetics.</li> <li>● Orthopaedic Rehabilitation of the Athlete: Getting Back in the Game. Reider, B.C., Davies, G.J. and Provencher, M.T. St. Louis, MO: Elsevier Saunders.</li> <li>● Postural Correction. Johnson, J. Champaign, IL: Human Kinetics.</li> <li>● Principles of Athletic Training: A Guide to Evidence-Based Clinical Practice. Prentice, W. New York, NY: McGraw-Hill.</li> <li>● Rehabilitation of Musculoskeletal Injuries. Hougum P., Boyle-Walker K.L. and Hougum, D.E. Champaign, IL: Human Kinetics.</li> <li>● Rehabilitation Techniques for Sports Medicine and Athletic Training. Prentice, W.E. Thorofare, NJ: SLACK Inc.</li> <li>● Therapeutic Exercise: Foundations and Techniques. Colby, L., Kisner, C. and Borstad, J. Philadelphia, PA: F.A. Davis.</li> </ul>
<p>ROM, MMT</p> 	<p><b>CAATE STANDARD</b></p> <ul style="list-style-type: none"> <li>● 71: Perform an examination to formulate a diagnosis and plan of care for patients with health conditions commonly seen in athletic training practice. This exam includes the following:             <ul style="list-style-type: none"> <li>○ Assessing function</li> <li>○ Selecting tests and measures that assess the following, as relevant to the patient's clinical presentation:                 <ul style="list-style-type: none"> <li>■ Musculoskeletal system</li> <li>■ Neurological system</li> </ul> </li> </ul> </li> </ul> <p><b>BOC EXAM REFERENCES</b></p> <ul style="list-style-type: none"> <li>● Atlas of Human Anatomy. Netter, F.H. Philadelphia, PA: Elsevier.</li> <li>● Dutton's Orthopaedic: Examination, Evaluation and Intervention. Dutton, M. New York, NY: McGraw-Hill.</li> <li>● Essentials of Anatomy and Physiology. Scanlon, V. and Sanders, T. Philadelphia, PA: F.A. Davis.</li> </ul>

	<ul style="list-style-type: none"> <li>● Examination of Musculoskeletal Injuries. Shultz, S.J., Houglum, P.A. and Perrin, D.H. Champaign, IL: Human Kinetics.</li> <li>● Examination of Orthopedic &amp; Athletic Injuries. Starkey, C. and Brown, S.D. Philadelphia, PA: F.A. Davis.</li> <li>● Foundations of Athletic Training: Prevention, Assessment and Management. Anderson, M. and Barnum, M. Philadelphia, PA: Wolters Kluwer.</li> <li>● Low Back Disorders: Evidence-Based Prevention and Rehabilitation. McGill, S. Champaign, IL: Human Kinetics.</li> <li>● Netter's Clinical Anatomy. Hansen, J.T. Philadelphia, PA: Elsevier.</li> <li>● Orthopedic Clinical Examination. Reiman, M. Champaign, IL: Human Kinetics.</li> <li>● Orthopedic Physical Assessment. Magee, D. and Manske, R. St. Louis, MO: Elsevier.</li> <li>● Principles of Athletic Training: A Guide to Evidence-Based Clinical Practice. Prentice, W. New York, NY: McGraw-Hill.</li> <li>● Rehabilitation of Musculoskeletal Injuries. Houglum P., Boyle-Walker K.L. and Houglum, D.E. Champaign, IL: Human Kinetics.</li> <li>● Rehabilitation Techniques for Sports Medicine and Athletic Training. Prentice, W.E. Thorofare, NJ: SLACK Inc.</li> <li>● Textbook of Physical Diagnosis. Swartz, M.H. Philadelphia, PA: Elsevier.</li> <li>● Therapeutic Exercise: Foundations and Techniques. Colby, L., Kisner, C. and Borstad, J. Philadelphia, PA: F.A. Davis.</li> <li>● Trail Guide to Movement Building the Body in Motion. Biel, A. Boulder, CO: Books of Discovery.</li> <li>● Trail Guide to the Body. Biel, A. Boulder, CO: Books of Discovery.</li> </ul>
<p style="text-align: center;">Special Tests</p> 	<p><b>CAATE STANDARD</b></p> <ul style="list-style-type: none"> <li>● 71: Perform an examination to formulate a diagnosis and plan of care for patients with health conditions commonly seen in athletic training practice. This exam includes the following:             <ul style="list-style-type: none"> <li>○ Assessing function</li> <li>○ Selecting tests and measures that assess the following, as relevant to the patient's clinical presentation:                 <ul style="list-style-type: none"> <li>■ Musculoskeletal system</li> <li>■ Neurological system</li> <li>■ Pain level</li> </ul> </li> </ul> </li> </ul> <p><b>BOC EXAM REFERENCES</b></p>

	<ul style="list-style-type: none"> <li>• Dutton’s Orthopaedic: Examination, Evaluation and Intervention. Dutton, M. New York, NY: McGraw-Hill.</li> <li>• Examination of Musculoskeletal Injuries. Shultz, S.J., Hougum, P.A. and Perrin, D.H. Champaign, IL: Human Kinetics.</li> <li>• Examination of Orthopedic &amp; Athletic Injuries. Starkey, C. and Brown, S.D. Philadelphia, PA: F.A. Davis.</li> <li>• Foundations of Athletic Training: Prevention, Assessment and Management. Anderson, M. and Barnum, M. Philadelphia, PA: Wolters Kluwer.</li> <li>• Low Back Disorders: Evidence-Based Prevention and Rehabilitation. McGill, S. Champaign, IL: Human Kinetics.</li> <li>• Orthopedic Clinical Examination. Reiman, M. Champaign, IL: Human Kinetics.</li> <li>• Orthopedic Physical Assessment. Magee, D. and Manske, R. St. Louis, MO: Elsevier.</li> <li>• Principles of Athletic Training: A Guide to Evidence-Based Clinical Practice. Prentice, W. New York, NY: McGraw-Hill.</li> <li>• Textbook of Physical Diagnosis. Swartz, M.H. Philadelphia, PA: Elsevier.</li> </ul>
<p style="text-align: center;">Splinting</p> 	<p><b>CAATE STANDARD</b></p> <ul style="list-style-type: none"> <li>• 78: Select, fabricate, and/or customize prophylactic, assistive, and restrictive devices, materials, and techniques for incorporation into the plan of care, including the following:             <ul style="list-style-type: none"> <li>○ Durable medical equipment</li> <li>○ Orthotic devices</li> <li>○ Splinting</li> </ul> </li> </ul> <p><b>BOC EXAM REFERENCES</b></p> <ul style="list-style-type: none"> <li>• Acute and Emergency Care in Athletic Training. Cleary, M. and Walsh Flannigan, K. Champaign, IL: Human Kinetics.</li> <li>• Orthopedic Taping, Wrapping, Bracing, and Padding. Beam, J.W. Philadelphia, PA: F.A. Davis.</li> <li>• Orthopaedic Rehabilitation of the Athlete: Getting Back in the Game. Reider, B.C., Davies, G.J. and Provencher, M.T. St. Louis, MO: Elsevier Saunders.</li> <li>• Principles of Athletic Training: A Guide to Evidence-Based Clinical Practice. Prentice, W. New York, NY: McGraw-Hill.</li> <li>• Rehabilitation of Musculoskeletal Injuries. Hougum P., Boyle-Walker K.L. and Hougum, D.E. Champaign, IL: Human Kinetics.</li> </ul>

	<ul style="list-style-type: none"> <li>● Rehabilitation Techniques for Sports Medicine and Athletic Training. Prentice, W.E. Thorofare, NJ: SLACK Inc.</li> </ul>
<p>Surface Anatomy Palpation</p> 	<p><b>CAATE STANDARD</b></p> <ul style="list-style-type: none"> <li>● 55: Students must gain foundational knowledge in human anatomy.</li> <li>● 71: Perform an examination to formulate a diagnosis and plan of care for patients with health conditions commonly seen in athletic training practice.             <ul style="list-style-type: none"> <li>○ Selecting and using tests and measures that assess the following, as relevant to the patient's clinical presentation:                 <ul style="list-style-type: none"> <li>■ Musculoskeletal system</li> </ul> </li> </ul> </li> </ul> <p><b>BOC EXAM REFERENCES</b></p> <ul style="list-style-type: none"> <li>● Atlas of Human Anatomy. Netter, F.H. Philadelphia, PA: Elsevier.</li> <li>● Essentials of Anatomy and Physiology. Scanlon, V. and Sanders, T. Philadelphia, PA: F.A. Davis.</li> <li>● Examination of Musculoskeletal Injuries. Shultz, S.J., Houglum, P.A. and Perrin, D.H. Champaign, IL: Human Kinetics.</li> <li>● Examination of Orthopedic &amp; Athletic Injuries. Starkey, C. and Brown, S.D. Philadelphia, PA: F.A. Davis.</li> <li>● Netter's Clinical Anatomy. Hansen, J.T. Philadelphia, PA: Elsevier.</li> <li>● Low Back Disorders: Evidence-Based Prevention and Rehabilitation. McGill, S. Champaign, IL: Human Kinetics.</li> <li>● Orthopedic Clinical Examination. Reiman, M. Champaign, IL: Human Kinetics.</li> <li>● Orthopedic Physical Assessment. Magee, D. and Manske, R. St. Louis, MO: Elsevier.</li> <li>● Principles of Athletic Training: A Guide to Evidence-Based Clinical Practice. Prentice, W. New York, NY: McGraw-Hill.</li> <li>● Textbook of Physical Diagnosis. Swartz, M.H. Philadelphia, PA: Elsevier.</li> <li>● Trail Guide to Movement Building the Body in Motion. Biel, A. Boulder, CO: Books of Discovery.</li> <li>● Trail Guide to the Body. Biel, A. Boulder, CO: Books of Discovery.</li> </ul>

Vision



CAATE STANDARD

- 58: Incorporate patient education and self-care programs to engage patients and their families and friends to participate in their care and recovery.
- 71: Perform an examination to formulate a diagnosis and plan of care for patients with health conditions commonly seen in athletic training practice. This exam includes the following:
  - Selecting and using tests and measures that assess the following, as relevant to the patient's clinical presentation:
    - Eyes
  - Evaluating all results to determine a plan of care, including referral to the appropriate provider when indicated

BOC EXAM REFERENCES

- Atlas of Human Anatomy. Netter, F.H. Philadelphia, PA: Elsevier.
- Clinical Pathology for Athletic Trainers: Recognizing Systemic Disease. O'Conner, D.P. and Fincher, A.L. Thorofare, NJ: SLACK Inc.
- Emergency Care and Transportation of the Sick and Injured. Pollak, A.N. Burlington, MA: Jones & Bartlett Learning.
- Emergency Management for Sport and Physical Activity. Casa, D.J. and Stearns, R.L. Burlington, MA: Jones & Bartlett Learning.
- Emergency Response Management for the Athletic Trainers. Miller, M.G. and Berry, D.C. Philadelphia, PA: Wolters Kluwer.
- Essentials of Anatomy and Physiology. Scanlon, V.C. and Sanders, T. Philadelphia, PA: F.A. Davis.
- Medical Conditions in the Athlete. Walsh-Flanagan, K. and Cuppett, M. Champaign, IL: Human Kinetics.
- Netter's Clinical Anatomy. Hansen, J.T. Philadelphia, PA: Elsevier.
- Sports Emergency Care: A Team Approach. Rehberg, R.S. and Konin, J.G. Thorofare, NJ: SLACK Inc.

# E-LEARNING: SIMULATIONS

## Acute Care Interactive Review



### CAATE STANDARD

- 58: Incorporate patient education and self-care programs to engage patients and their families and friends to participate in their care and recovery.
- 66: Practice health care in a manner that is compliant with the BOC Standards of Professional Practice and applicable institutional/organizational, local, state, and federal laws, regulations, rules, and guidelines. Applicable laws and regulations include (but are not limited to) the following:
  - Universal Precautions/OSHA Bloodborne Pathogens Standards
- 71: Perform an examination to formulate a diagnosis and plan of care for patients with health conditions commonly seen in athletic training practice. This exam includes the following:
  - Selecting and using tests and measures that assess the following, as relevant to the patient's clinical presentation:
    - Cardiovascular system (including auscultation)
    - Respiratory system (including auscultation)
- 72: Perform or obtain the necessary and appropriate diagnostic or laboratory tests—including (but not limited to) ... electrocardiogram—to facilitate diagnosis, referral, and treatment planning.
- 73: Select and incorporate interventions (for pre-op patients, post-op patients, and patients with nonsurgical conditions) that align with the care plan. Interventions include (but are not limited to) the following:
  - Movement training (including gait training)
  - Motor control/proprioceptive activities
  - Task-specific functional training
  - Home care management
- 78: Select, fabricate, and/or customize prophylactic, assistive, and restrictive devices, materials, and Techniques for incorporation into the plan of care, including the following:
  - Durable medical equipment

### BOC EXAM REFERENCES

- Acute and Emergency Care in Athletic Training. Cleary, M. and Walsh Flannigan, K. Champaign, IL: Human Kinetics.
- Advanced Emergency Care and Transportation of the Sick and Injured. Pollack, A.N. and Beck, R.J. Burlington, MA: Jones & Bartlett Learning.
- Clinical Pathology for Athletic Trainers: Recognizing Systemic Disease. O'Conner, D.P. and Fincher, A.L. Thorofare, NJ: SLACK Inc.


- Emergency Care and Transportation of the Sick and Injured. Pollak, A.N. Burlington, MA: Jones & Bartlett Learning.
- Emergency Management for Sport and Physical Activity. Casa, D.J. and Stearns, R.L. Burlington, MA: Jones & Bartlett Learning.
- Emergency Response Management for the Athletic Trainers. Miller, M.G. and Berry, D.C. Philadelphia, PA: Wolters Kluwer.
- Foundations of Athletic Training: Prevention, Assessment and Management. Anderson, M. and Barnum, M. Philadelphia, PA: Wolters Kluwer.
- Fundamentals of Athletic Training. Cartwright, L. and Peer, K. Champaign, IL: Human Kinetics.
- Handbook of Neurological Sports Medicine: Concussion and Other Nervous System Injuries in the Athlete. Petraglia, A.L., Bailes, J.E. and Day, A.L. Champaign, IL: Human Kinetics.
- Medical Conditions in the Athlete. Walsh-Flanagan, K. and Cuppett, M. Champaign, IL: Human Kinetics.
- Medical Language for Modern Health Care. Allan, D. and Basco, R. New York, NY: McGraw-Hill.
- Medical Terminology Simplified. Gylys, B.A. and Masters, R.M. Philadelphia, PA: F.A. Davis.
- Medical Terminology: With Case Studies in Sports Medicine. Walsh Flanagan, K. Thorofare, NJ: SLACK Inc.
- Principles of Athletic Training: A Guide to Evidence-Based Clinical Practice. Prentice, W. New York, NY: McGraw-Hill.
- Sports Emergency Care: A Team Approach. Rehberg, R.S. and Konin, J.G. Thorofare, NJ: SLACK Inc.

Assistive Devices  
Simulations




CAATE STANDARD

- 70: Evaluate and manage patients with acute conditions, including triaging conditions that are life-threatening or otherwise emergent. These include (but are not limited to) the following conditions:
  - Cervical spine compromise
  - Traumatic brain injury
  - Fractures and dislocations
  - Other musculoskeletal injuries
- 73: Select and incorporate interventions (for pre-op patients, post-op patients, and patients with nonsurgical conditions) that align with the care plan. Interventions include (but are not limited to) the following:
  - Movement training (including gait training)
  - Home care management
- 78: Select, fabricate, and/or customize prophylactic, assistive, and restrictive devices, materials, and techniques for incorporation into the plan of care, including the following:
  - Durable medical equipment.

	<p><b>BOC EXAM REFERENCES</b></p> <ul style="list-style-type: none"> <li>● Beam, J. W. (2021). Orthopedic taping, wrapping, bracing, &amp; padding (4th ed.). F.A. Davis Company.</li> <li>● Principles of Athletic Training: A Guide to Evidence-Based Clinical Practice. Prentice, W. New York, NY: McGraw-Hill.</li> <li>● Rehabilitation Techniques for Sports Medicine and Athletic Training. Prentice, W.E. Thorofare, NJ: SLACK Inc.</li> </ul>
<p>Diagnostic Imaging Simulations</p> 	<p><b>CAATE STANDARD</b></p> <ul style="list-style-type: none"> <li>● 71: Perform an examination to formulate a diagnosis and plan of care for patients with health conditions commonly seen in athletic training practice. This exam includes the following:             <ul style="list-style-type: none"> <li>○ Obtaining a medical history from the patient or other individual</li> <li>○ Selecting and using tests and measures that assess the following, as relevant to the patient's clinical presentation:                 <ul style="list-style-type: none"> <li>■ Musculoskeletal system</li> </ul> </li> <li>○ Evaluating all results to determine a plan of care, including referral to the appropriate provider when indicated</li> </ul> </li> <li>● 72: Perform or obtain the necessary and appropriate diagnostic or laboratory tests—including (but not limited to) imaging...—to facilitate diagnosis, referral, and treatment planning.</li> </ul> <p><b>BOC EXAM REFERENCES</b></p> <ul style="list-style-type: none"> <li>● Athletic Training and Sports Medicine: An Integrated Approach. Starkey, C. Burlington, MA: Jones &amp; Bartlett Learning.</li> <li>● Concepts of Athletic Training. Pfeiffer, R.P., Magnus, B.C. and Trowbridge, C.A. Burlington, MA: Jones &amp; Bartlett Learning.</li> <li>● Dutton's Orthopaedic: Examination, Evaluation and Intervention. Dutton, M. New York, NY: McGraw-Hill.</li> <li>● Examination of Musculoskeletal Injuries. Shultz, S.J., Houglum, P.A. and Perrin, D.H. Champaign, IL: Human Kinetics.</li> <li>● Examination of Orthopedic &amp; Athletic Injuries. Starkey, C. and Brown, S.D. Philadelphia, PA: F.A. Davis.</li> <li>● Orthopedic Clinical Examination. Reiman, M. Champaign, IL: Human Kinetics.</li> <li>● Orthopedic Physical Assessment. Magee, D. and Manske, R. St. Louis, MO: Elsevier.</li> </ul>



	<ul style="list-style-type: none"> <li>● Principles of Athletic Training: A Guide to Evidence-Based Clinical Practice. Prentice, W. New York, NY: McGraw-Hill.</li> <li>● Textbook of Physical Diagnosis. Swartz, M.H. Philadelphia, PA: Elsevier.</li> </ul>
<p>Emergency Care Simulations</p> 	<p><b>CAATE STANDARD</b></p> <ul style="list-style-type: none"> <li>● 70: Evaluate and manage patients with acute conditions, including triaging conditions that are life-threatening or otherwise emergent. These include (but are not limited to) the following conditions:             <ul style="list-style-type: none"> <li>○ Cardiac compromise (including emergency cardiac care)</li> <li>○ Respiratory compromise (including use of pulse oximetry, meter-dosed inhalers, and bronchodilators)</li> <li>○ Conditions related to the environment: heat (including use of rectal thermometry)</li> <li>○ Anaphylaxis (including administering epinephrine using automated injection device)</li> <li>○ Exertional sickling, rhabdomyolysis</li> <li>○ Diabetes (including use of glucometer, administering glucagon, insulin)</li> </ul> </li> <li>● 75: Administer medications or other therapeutic agents by the appropriate route of administration upon the order of a physician or other provider with legal prescribing authority.</li> <li>● 85: Monitor and evaluate environmental conditions to make appropriate recommendations to start, stop, or modify activity in order to prevent environmental illness or injury.</li> <li>● 92: Develop, implement, and revise policies that pertain to prevention, preparedness, and response to medical emergencies and other critical incidents.</li> </ul> <p><b>BOC EXAM REFERENCES</b></p> <ul style="list-style-type: none"> <li>● American Academy of Orthopedic Surgeons. (2011). First Aid, CPR, and AED Essentials (6th ed.). Jones &amp; Bartlett Learning.</li> <li>● Emergency Care and Transportation of the Sick and Injured. Pollak, A.N. Burlington, MA: Jones &amp; Bartlett Learning.</li> <li>● Emergency Management for Sport and Physical Activity. Casa, D.J. and Stearns, R.L. Burlington, MA: Jones &amp; Bartlett Learning.</li> <li>● Casa, D. J., &amp; Stearns, R. L. (2016). Preventing sudden death in sport and physical activity (2nd ed.). Jones &amp; Bartlett Learning.</li> <li>● Acute and Emergency Care in Athletic Training. Cleary, M. and Walsh Flannigan, K. Champaign, IL: Human Kinetics.</li> <li>● Medical Conditions in the Athlete. Walsh Flanagan, K. and Cuppett, M. Champaign, IL: Human Kinetics.</li> <li>● Hitner, H. (2021). Pharmacology: An introduction (8th ed.). McGraw-Hill Education.</li> <li>● Principles of Pharmacology for Athletic Trainers. Houglum, J., Harrelson, G.L. and Seefeldt, T.W. Thorofare, NJ: SLACK Inc.</li> </ul>

- Miller, M. G., & Berry, D. C. (2010). Emergency response management for athletic trainers (1st ed.). Wolters Kluwer.
- National Athletic Trainers' Association Position Statements. Dallas, TX: Journal of Athletic Training.
- Clinical Pathology for Athletic Trainers: Recognizing Systemic Disease. Bhojani, R.A., O'Conner, D.P. and Fincher, A.L. Thorofare, NJ: SLACK Inc.
- Examination of Musculoskeletal Injuries. Shultz, S.J., Houglum, P.A. and Perrin, D.H. Champaign, IL: Human Kinetics.
- Examination of Orthopedic & Athletic Injuries. Starkey, C. and Brown, S.D. Philadelphia, PA: F.A. Davis.
- Principles of Athletic Training: A Guide to Evidence-Based Clinical Practice. Prentice, W. New York, NY: McGraw-Hill.
- Sports Emergency Care: A Team Approach. Rehberg, R.S. and Konin, J.G. Thorofare, NJ: SLACK Inc.
- Watkins, C. J. (2022). Pharmacology Clear & Simple: A Guide to drug classifications and dosage calculations (4th ed.). F.A. Davis.

On-Field Care Simulations



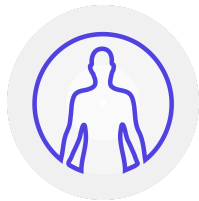
CAATE STANDARD

- 70: Evaluate and manage patients with acute conditions, including triaging conditions that are life-threatening or otherwise emergent. These include (but are not limited to) the following conditions:
  - Fractures and dislocations (including reduction of dislocation)
  - Other musculoskeletal injuries
- 71: Perform an examination to formulate a diagnosis and plan of care for patients with health conditions commonly seen in athletic training practice. This exam includes the following:
  - Obtaining a medical history from the patient or other individual
  - Assessing function
  - Selecting tests and measures that assess the following, as relevant to the patient's clinical presentation:
    - Teeth
    - Musculoskeletal system
    - Pain level
    - Specific functional tasks
  - Evaluating all results to determine a plan of care, including referral to the appropriate provider when indicated.
- 78: Select, fabricate, and/or customize prophylactic, assistive, and restrictive devices, materials, and techniques for incorporation into the plan of care.

#### BOC EXAM REFERENCES

- Emergency Care and Transportation of the Sick and Injured. Pollak, A.N. Burlington, MA: Jones & Bartlett Learning.
- Emergency Management for Sport and Physical Activity. Casa, D.J. and Stearns, R.L. Burlington, MA: Jones & Bartlett Learning.
- Cleary, M. A., & Flanagan, K. W. (2019). Acute and emergency care in athletic training. Human Kinetics.
- Miller, M. G., & Berry, D. C. (2010). Emergency response management for athletic trainers (1st ed.). Wolters Kluwer.
- National Athletic Trainers' Association Position Statements. Dallas, TX: Journal of Athletic Training.
- Principles of Athletic Training: A Guide to Evidence-Based Clinical Practice. Prentice, W. New York, NY: McGraw-Hill.
- Sports Emergency Care: A Team Approach. Rehberg, R.S. and Konin, J.G. Thorofare, NJ: SLACK Inc.
- Examination of Musculoskeletal Injuries. Shultz, S.J., Houghlum, P.A. and Perrin, D.H. Champaign, IL: Human Kinetics.
- Examination of Orthopedic & Athletic Injuries. Starkey, C. and Brown, S.D. Philadelphia, PA: F.A. Davis.

Orthopedic Simulations



#### CAATE STANDARD

- 69: Develop a care plan for each patient. The care plan includes (but not limited to) the following:
  - Assessment of the patient on an ongoing basis and adjustment of care accordingly
  - Collection, analysis, and use of patient-reported and clinician-rated outcome measures to improve patient care
- 71: Perform an examination to formulate a diagnosis and plan of care for patients with health conditions commonly seen in athletic training practice. This exam includes the following:
  - Obtaining a medical history from the patient or other individual
  - Identifying comorbidities and patients with complex medical conditions
  - Assessing function (including gait)
  - Selecting and using tests and measures that assess the following, as relevant to the patient's clinical presentation:
    - Musculoskeletal system
    - Neurological system
    - Pain level
    - Specific functional tasks

- Evaluating all results to determine a plan of care, including referral to the appropriate provider when indicated
- 73: Select and incorporate interventions (for pre-op patients, post-op patients, and patients with nonsurgical conditions) that align with the care plan. Interventions include (but are not limited to) the following:
  - Therapeutic and corrective exercise
  - Joint mobilization
  - Soft tissue techniques
  - Movement training (including gait training)
  - Motor control/proprioceptive activities
  - Task-specific functional training
  - Therapeutic modalities

#### BOC EXAM REFERENCES

- Andrews, J. R., Harrelson, G. L., & Wilk, K. E. (2012). Physical rehabilitation of the injured athlete (4th ed.). Elsevier Saunders.
- Cook, C., & Hegedus, E. (2011). Orthopedic physical examination tests: An evidence-based approach (2nd ed.). Pearson Education.
- Houglum, P. A. (2016). Therapeutic exercise for musculoskeletal injuries (4th ed.). Human Kinetics.
- Therapeutic Exercise: Foundations and Techniques. Colby, L., Kisner, C. and Borstad, J. Philadelphia, PA: F.A. Davis.
- Orthopedic Physical Assessment. Magee, D. and Manske, R. St. Louis, MO: Elsevier.
- McAtee, R. E., & Charland, J. (2013). Facilitated stretching (4th ed.). Human Kinetics.
- Low Back Disorders: Evidence-Based Prevention and Rehabilitation. McGill, S. Champaign, IL: Human Kinetics.
- National Athletic Trainers' Association Position Statements. Dallas, TX: Journal of Athletic Training.
- Principles of Athletic Training: A Guide to Evidence-Based Clinical Practice. Prentice, W. New York, NY: McGraw-Hill.
- Rehabilitation Techniques for Sports Medicine and Athletic Training. Prentice, W.E. Thorofare, NJ: SLACK Inc.
- Examination of Musculoskeletal Injuries. Shultz, S.J., Houglum, P.A. and Perrin, D.H. Champaign, IL: Human Kinetics.
- Examination of Orthopedic & Athletic Injuries. Starkey, C. and Brown, S.D. Philadelphia, PA: F.A. Davis.

### Physical Agents Simulations



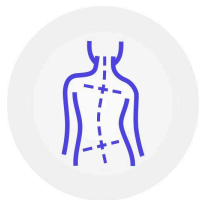
#### CAATE STANDARD

- 58: Incorporate patient education and self-care programs to engage patients and their families and friends to participate in their care and recovery.
- 73: Select and incorporate interventions (for pre-op patients, post-op patients, and patients with nonsurgical conditions) that align with the care plan. Interventions include (but are not limited to) the following:
  - Therapeutic modalities

#### BOC EXAM REFERENCES

- Bellew, J. W., & Nolan, T. (2022). Michlovitz's modalities for therapeutic intervention (7th ed.). F.A. Davis.
- Therapeutic Modalities for Musculoskeletal Injuries. Denegar, C.R., Saliba, E. and Saliba. S. Champaign, IL: Human Kinetics.
- Pharmacology: An Introduction. Hitner, H. and Nagle, B. New York, NY: McGraw-Hill.
- Principles of Pharmacology for Athletic Trainers. Hougum, J., Harrelson, G.L. and Seefeldt, T.W. Thorofare, NJ: SLACK Inc.
- Hougum, P. A. (2016). Therapeutic exercise for musculoskeletal injuries (4th ed.). Human Kinetics.
- Principles of Athletic Training: A Guide to Evidence-Based Clinical Practice. Prentice, W. New York, NY: McGraw-Hill.
- Rehabilitation Techniques for Sports Medicine and Athletic Training. Prentice, W.E. Thorofare, NJ: SLACK Inc.
- Prentice, W. E. (2021). Therapeutic modalities in rehabilitation (6th ed.). McGraw-Hill.
- Therapeutic Modalities. Starkey, C. Philadelphia, PA: F.A. Davis.
- Watkins, C. J. (2022). Pharmacology Clear & Simple: A Guide to drug classifications and dosage calculations (4th ed.). F.A. Davis.

### Posture Simulations



#### CAATE STANDARD

- 71: Perform an examination to formulate a diagnosis and plan of care for patients with health conditions commonly seen in athletic training practice. This exam includes the following:
  - Obtaining a medical history from the patient or other individual
  - Assessing function (including gait)
  - Selecting tests and measures that assess the following, as relevant to the patient's clinical presentation:
    - Musculoskeletal system
    - Neurological system
    - Pain level
    - Specific functional tasks

- Evaluating all results to determine a plan of care, including referral to the appropriate provider when indicated

#### BOC EXAM REFERENCES

- Cook, C., & Hegedus, E. (2011). Orthopedic physical examination tests: An evidence-based approach (2nd ed.). Pearson Education.
- Houglum, P. A. (2016). Therapeutic exercise for musculoskeletal injuries (4th ed.). Human Kinetics.
- Orthopedic Physical Assessment. Magee, D. and Manske, R. St. Louis, MO: Elsevier.
- Low Back Disorders: Evidence-Based Prevention and Rehabilitation. McGill, S. Champaign, IL: Human Kinetics.
- Principles of Athletic Training: A Guide to Evidence-Based Clinical Practice. Prentice, W. New York, NY: McGraw-Hill.
- Rehabilitation Techniques for Sports Medicine and Athletic Training. Prentice, W.E. Thorofare, NJ: SLACK Inc.
- Examination of Musculoskeletal Injuries. Shultz, S.J., Houglum, P.A. and Perrin, D.H. Champaign, IL: Human Kinetics.
- Examination of Orthopedic & Athletic Injuries. Starkey, C. and Brown, S.D. Philadelphia, PA: F.A. Davis.

ROM/MMT  
Simulations




#### CAATE STANDARD

- 71: Perform an examination to formulate a diagnosis and plan of care for patients with health conditions commonly seen in athletic training practice. .This exam includes the following:
  - Obtaining a medical history from the patient or other individual
  - Assessing function
  - Selecting tests and measures that assess the following, as relevant to the patient's clinical presentation:
    - Musculoskeletal system

#### BOC EXAM REFERENCES

- Biel, A. (2019). Trail Guide to the body: A hands-on guide to locating muscles, bones, and more (2nd ed.). Books of Discovery.
- Cook, C., & Hegedus, E. (2011). Orthopedic physical examination tests: An evidence-based approach (2nd ed.). Pearson Education.
- Floyd, R. T. (2021). Manual of Structural Kinesiology (21st ed.). McGraw-Hill.
- Houglum, P. A. (2016). Therapeutic exercise for musculoskeletal injuries (4th ed.). Human Kinetics.

	<ul style="list-style-type: none"> <li>• Therapeutic Exercise: Foundations and Techniques. Colby, L., Kisner, C. and Borstad, J. Philadelphia, PA: F.A. Davis.</li> <li>• Orthopedic Physical Assessment. Magee, D. and Manske, R. St. Louis, MO: Elsevier.</li> <li>• McAtee, R. E., &amp; Charland, J. (2013). Facilitated stretching (4th ed.). Human Kinetics.</li> <li>• Rehabilitation Techniques for Sports Medicine and Athletic Training. Prentice, W.E. Thorofare, NJ: SLACK Inc.</li> <li>• Examination of Musculoskeletal Injuries. Shultz, S.J., Houglum, P.A. and Perrin, D.H. Champaign, IL: Human Kinetics.</li> <li>• Examination of Orthopedic &amp; Athletic Injuries. Starkey, C. and Brown, S.D. Philadelphia, PA: F.A. Davis.</li> </ul>
<p>Wound Care Simulations</p> 	<p>CAATE STANDARD</p> <ul style="list-style-type: none"> <li>• 70: Evaluate and manage patients with acute conditions, including triaging conditions that are life threatening or otherwise emergent. These include (but are not limited to) the following conditions:             <ul style="list-style-type: none"> <li>○ Wounds (including care ...)</li> </ul> </li> </ul> <p>BOC EXAM REFERENCES</p> <ul style="list-style-type: none"> <li>• Athletic Training and Sports Medicine: An Integrated Approach. Starkey, C. Burlington, MA: Jones &amp; Bartlett Learning.</li> <li>• Principles of Athletic Training: A Guide to Evidence-Based Clinical Practice. Prentice, W. New York, NY: McGraw-Hill.</li> </ul>

## REFERENCES

- [CAATE Professional Program Standards \(link\)](#)
- [BOC Exam References \(link\)](#)