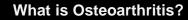


and management of OA.

· Why should athletic trainers (ATs) care about OA?



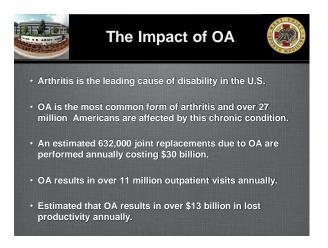


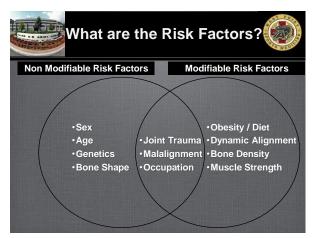
- Osteoarthritis (OA) is caused by a combination of genetic, local mechanical stresses, and/or systemic factors that lead to joint cartilage loss, bony overgrowth and other bone changes, and alterations in ligaments, menisci and muscles.
- Review EBP Recommendations for OA Management and

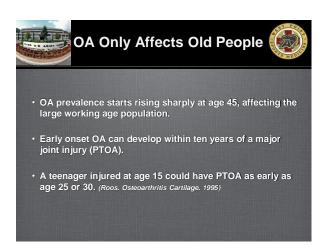
· Discuss potential roles ATs might have in the prevention

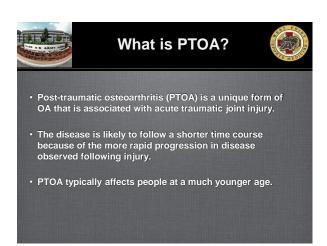
· Review the chronic disease management model for OA.

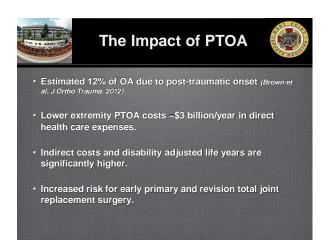
the CDC Public Health Agenda for OA.

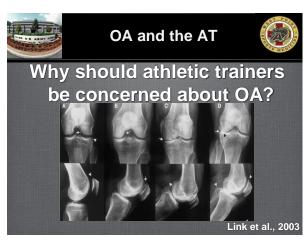


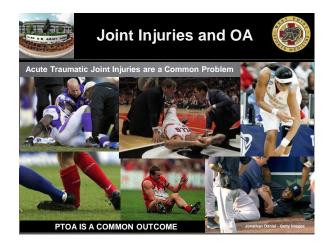


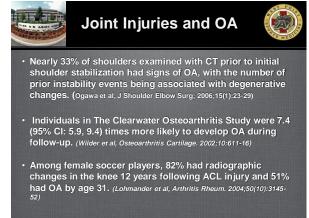


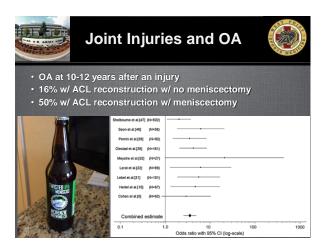


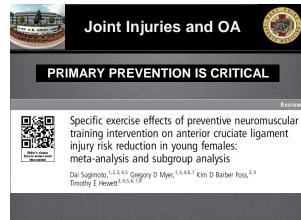


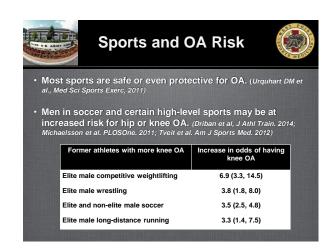


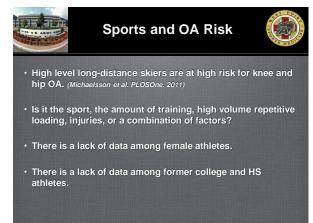


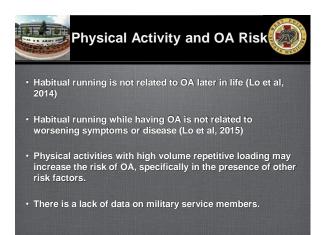


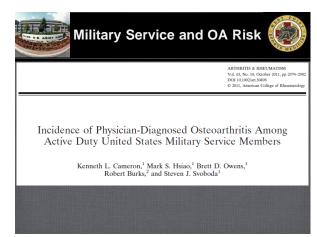


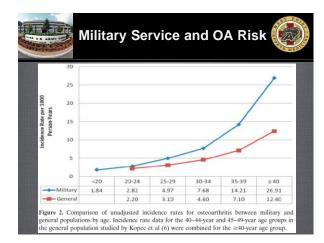


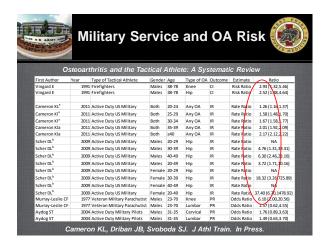


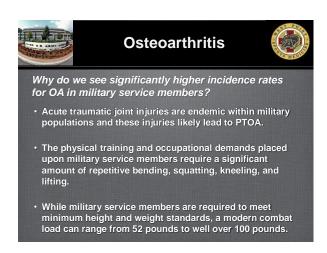


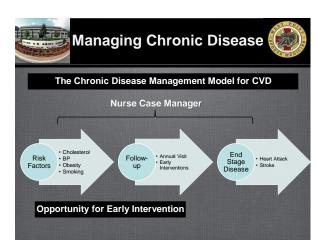


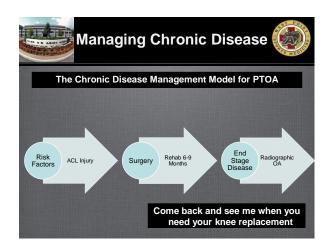


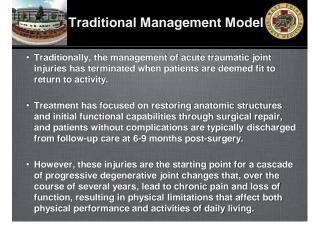


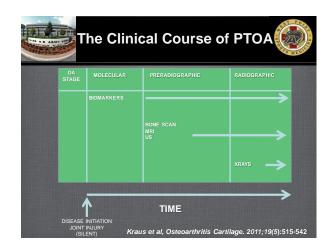


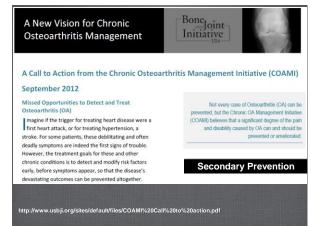


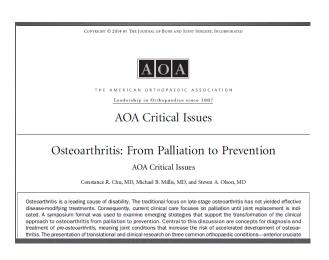


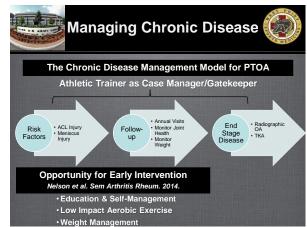






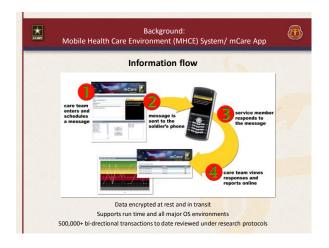


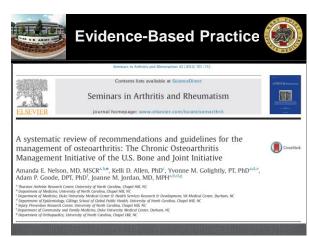














Summary Recommendations



"Provide or refer patients to selfmanagement programs; provide education, regular contact to promote self-care, joint protection strategies, and individualized treatment plans to patients with OA."

Nelson et al, Seminars in Arthritis and Rheumatism. 2014;43(5):701-712



Summary Recommendations



"Patients should be advised to engage in lowimpact aerobic exercise (land or water based), and if overweight to lose weight; consideration can be given to range of motion/flexibility exercises, exercise in combination with manual therapy, endurance strengthening exercises, and physical/occupational therapy referral."

Nelson et al, Seminars in Arthritis and Rheumatism. 2014;43(5):701-712



Summary Recommendations



"Walking aids and other assistive devices to improve activities of daily living are recommended for OA patients as needed.

Based on current guidelines, there is inconclusive evidence for bracing or medial or lateral heel wedges for knee OA, and splints for thumb base OA."

Nelson et al, Seminars in Arthritis and Rheumatism. 2014;43(5):701-712

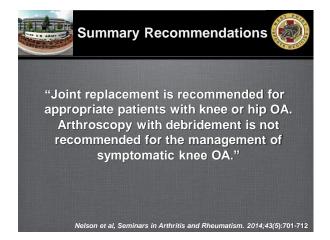


Summary Recommendations



"Thermal modalities are recommended for hand, knee, and hip OA, therapeutic ultrasound is not recommended for use, and insufficient evidence currently exists to provide a general recommendation regarding acupuncture, Tai Chi, or TENS."

Nelson et al, Seminars in Arthritis and Rheumatism. 2014;43(5):701-712



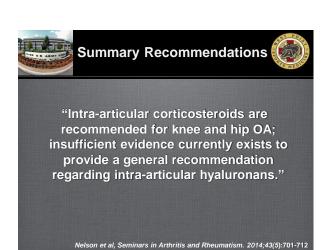


Summary Recommendations

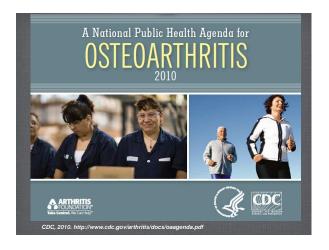


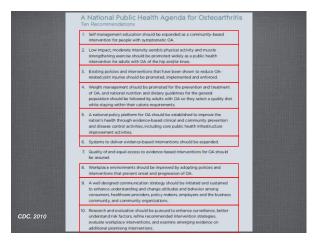
"Acetaminophen/paracetamol should be used as first-line therapy in symptomatic OA. Second-line agents should include topical agents (capsaicin and topical NSAIDs) and oral NSAIDs (with appropriate risk stratification and employment of gastroprotective strategies). For refractory symptoms, tramadol is recommended, and consideration can be given to opioids or possibly duloxetine."

Nelson et al, Seminars in Arthritis and Rheumatism. 2014;43(5):701-712

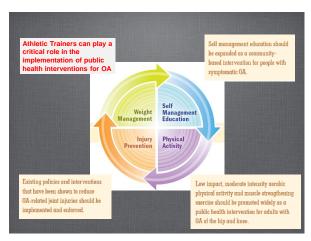










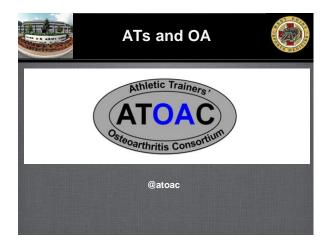




OA & The Role of The AT



- Primary prevention
 - · Movement assessment
 - · ACL and lower-extremity injury prevention.
 - · Weight management/Exercise prescription
 - Advocacy
- · Secondary prevention (Following traumatic joint injury)
 - AT as case manager/gatekeeper
 - · Monitor joint health over time
 - · Education/Self-management
 - · Weight management/Exercise prescription
 - · Therapeutic modalities
 - · Monitor compliance





ATOAC Recommendations



- Educate athletic trainers and athletic training students through entry-level education and continuing education programs about OA and the common risk factors for this debilitating disease that are seen in young athletic and physically active populations commonly treated by athletic trainers.
- Athletic trainers should support and implement evidencebased primary injury prevention interventions to reduce the risk of acute traumatic joint injuries, which will in turn reduce the risk of OA.



ATOAC Recommendations



- Athletic trainers should counsel patients with joint injuries about their risk of OA and strategies to regularly monitor changes in joint health over time.
- Athletic trainers should counsel patients with joint injuries about common modifiable risk factors for OA and selfmanagement strategies that may mitigate OA risk or progression.
- Athletic trainers should be knowledgeable of and apply existing guidelines and recommendations for managing OA in high risk patients following joint injury (e.g., Nelson et al).

