

Osteoarthritis (OA)

- 27 million adults with OA
- 632,000 O-related joint replacements
- 11.1 million outpatient visits
- \$13.2 billion job-related OA costs



OA Impact

- Lifetime risk is 1 in 2; 2 in 3 for obese
- Prevalence increases at age 45; early onset due to injury may bring that down
- Women more than men
- Baby boomers will increase prevalence significantly
- 25% have pain on ambulation and interferes with ADLs

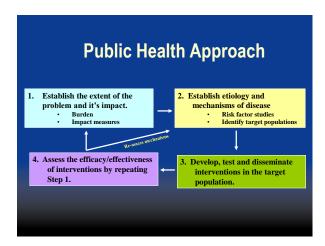
The OA Agenda

- Early 2008 CDC and the Arthritis Foundation collaborated to explore reducing the public health burden of OA over the next 3-5 years
- Steering group and 2 working groups
 - Interventions
 - Policies and communication strategies
- Vetted 2 White Papers at the OA Summit meeting in April 2009

A Public Health Intervention An activity that prevents disease, injury or disability or promotes health in a group of persons and are distinct from individual and clinical interventions.

Vision and Goals

- To ensure the availability of evidence based interventions (SME, PA, etc.) to all Americans with OA,
- To establish supportive policies, communications initiatives and strategic alliances for OA prevention and management.
- To initiate needed research to better understand the burden of OA, its risk factors and effective strategies for prevention and intervention.





Criteria for PH Intervention

- Arthritis appropriate (e.g., participant control, low impact)
- Adequacy of the evidence base
 - ◆ Evaluated in present form
 - ◆ Publish article or report
 - Consistency of evidence
- Implementability as a PH intervention
 - ◆ "Lay leaders"
 - Inexpensive

Self-management Education

- 6 week classes; 2 hour sessions
- Learn skills and strategies to manage chronic conditions
- Improve pain, disability, anxiety, depression and HRQOL
- Ready for wide scale implementation

Self-management Education

- Arthritis Self-management Program
- Spanish ASMP
- Chronic Disease Self-management Program
- Spanish CDSMP
- Arthritis Toolkit

Physical activity

- Low impact, aerobic and muscle strengthening exercise
- Reduces pain, improves function, mood and HRQOL; reduces risk of disability
- Packaged programs, lay instructor led
- Group or self directed

Physical activity

- Arthritis Foundation Exercise Program
- Arthritis Foundation Aquatics Program
- Active Living Every Day
- Enhance Fitness
- Fit & Strong!
- Walk With Ease

Injury Prevention

- No "packaged" interventions
- Injuries may result from multiple causes
- Sports injuries may be a good place to start
 - Neuromuscular training programs
 - Breakaway bases
- Australia has had success at implementing community-based injury prevention programs

Weight Management

- Community-based programs are available but have not been evaluated among people with arthritis
- Bariatric surgery is effective but not a PH intervention
- Health communication message is any weight loss has benefit

Example: Physical Activity

CDC 1

4 Strategies

- Disseminate community-delivered, evidence-based (EB) packaged programs
- 2. Health Communication Campaigns
- 3. Policy and environmental strategies
- 4. Expand science base

EB Packaged Programs

- Partners to disseminate EB programs
 - State health departments
 - National partners (e.g. YMCA)
- Embed programs in systems
 - Part of the organizational mission
 - Multiple delivery sites
 - Maximize sustainability
- Translation research to practice
 - A menu of programs for different needs

CDC Approved EB Packaged Programs

Currently Approved:

- Arthritis Foundation Aquatics Program
- Arthritis Foundation Exercise Program (formerly PACE)
- ◆ Walk With Ease
- ◆ EnhanceFitness®
- Active Living Every Day
- ◆ Fit & Strong!

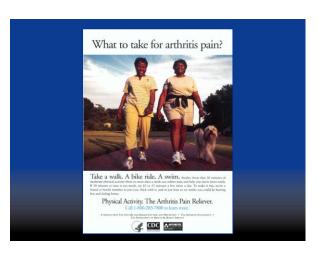
Health Communications

- 1. CDC Health Communication Campaigns
 - Physical Activity. The Arthritis Pain Reliever
 - Buenas Dias Artritis
- 2. Arthritis Foundation
 - Lets Move Together
 - Movement is the Best Medicine (Ad Council)







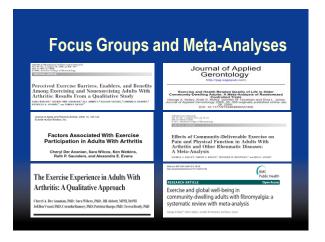












Program Relevant Science Prevalence of physical inactivity and meeting PA recommendations Physical activity impact on function, pain, HRQOL, sleep impairment, depression Translation of PA guidelines for PWA to rheumatology and orthopedic health professionals

