



The Principle of Overload and Principle of Progression can be applied to flexibility.



How can you apply the principles of overload, progression and specificity to flexibility?





### **Overload:**

stretch your muscles farther than you normally do

### **Progression:**

stretch farther as you gain flexibility over time.

### Specificity:

stretch all muscles that need stretching

### **BENEFITS OF GOOD FLEXIBILITY:**

Prevents Injuries

**Joint Health** 

**Decrease Muscle Soreness Good Posture** Improve Performance

Relaxation

**Relief for Aches and Pains** 

**Prevention of Low Back Pain and Back Injuries** 

### Which population tends to be more flexible?

- A. Young Females
- B. Young Males
- C. Older Females
- D. Older Males
- E. No significant difference





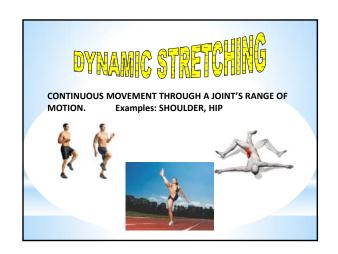
## What is the difference between Dynamic and Static Stretching?

- A. Static Stretching is related to fast motion
- B. Dynamic Stretching is a continuously holding a muscle at the full range of motion for 30 seconds
- C. Static is holding a stretch and Dynamic is continuous movement

## CATEGORIES OF FLEXIBILITY: HOLDING A STRETCH AT ONE END OF THE JOINT'S RANGE OF MOTION (ROM) CONTINUOUS STRETCHING WITH MOVEMENT THROUGH A JOINT'S ROM

# STRETCHING TECHNIQUES TO DEVELOP FLEXIBILITY













Static stretching exercises are safer because you are less likely to stretch too far and injure yourself

A balanced exercise program should include both strength and flexibility exercises.

This will ensure that...

•Muscles can apply equal force on all sides of the joint

•Muscles can maintain normal range of motion

•Muscle bond condition is prevented



## GUIDELINES FOR FLEXIBILITY TRAINING:

- **STRETCH WHEN THE MUSCLES ARE WARM**
- STRETCH TO THE POINT OF MILD DISCOMFORT, NOT PAIN
- HOLD A STRETCH 10 TO 30 SECONDS, REST FOR 30 TO 60 SECONDS, REPEAT
- **STRETCH BOTH SIDES OF THE BODY**
- INCREASE INTENSITY AND DURATION GRADUALLY OVER TIME
- IMPROVED FLEXIBILITY TAKES TIME
- **STRETCH IS NON-COMPETITIVE**

