

# Objectives

- Describe principles of body mechanics that help prevent injury
- Identify measures to safely assist a falling person to the floor
- Describe correct positioning of residents

# **Body Mechanics**

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Efficient and safe use of the body by the coordination of:

Body alignment,

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- Balance and
- Movement



# Body Mechanics – Importance (1)

Due to nature of their duties, nurse aides are subject to back and other injuries, so.....

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practicing correct body mechanics is very important

# Body Mechanics – Importance (2)

- Maximizes strength, minimizes fatigue
- Nurse aides lift, move and carry
- Reduces cost
- Reduces employee absences
- · Reduces liability for facility

By not using proper body mechanics, even picking up a piece of paper from the floor can cause back injury!

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### Points to Remember When Lifting

- When given a choice push or pull, rather than lift
- $\boldsymbol{\cdot}$  Use large muscles of arms and thighs
- Move in a smooth motion. Do not jerk the object.
- Face object or person
- Use both arms and hands



# Body Mechanics – Unig LinenIncorrectCorrectIncorrect<tr

# Lifting an Object off the Floor (1)

 Bend hips/knees and get close to object

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Face object

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 Grip object firmly with both hands





### A Resident is About to Fall

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- Simply control direction of fall by easing resident to floor, protecting head
- Keep resident still until nurse can check
- DO NOT try to hold the resident up because it can hurt nurse aide and resident
- DO NOT try to hold the resident up because the nurse aide may lose balance and both land on floor

### Angles

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An angle is formed when 2 lines meet

Angles are measured in degrees and abbreviated with the symbol, °



The bed frame and head of bed are the 2 lines used to determine the angle of the bed

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# **Measuring Bed Angles**

- Angles used to describe positions in a bed measured in degrees ranging from 0° – 90°
   00 – positions and prove positions (or flat)
  - 0° = supine and prone positions (or flat)
  - 45° 60° = Fowler's position

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- 60° 90° = High Fowler's position
- As the head of bed is being raised, angle area is between bottom of the mattress at the head end of the bed and bed frame
- As the head of the bed is raised, the angle increases



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# Positioning the Resident – Importance

Regular position changes and correct alignment

- Promote well-being and comfort
- Promote easier breathing
- Promote circulation

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Prevent pressure ulcers and contractures

### **Positioning the Resident**

- Reposition in bed or chair at every 2 hours (or more frequently per care plan)
- Use good body mechanics

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- Ask co-worker for assistance as needed
- Use pillows for support and correct
  alignment
- Understand correct placement for variety of positions while resident is in bed

















# Logrolling

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- Positioning a resident on the side who has problems with the neck/back, spinal cord injury, or surgery of the back/hip requires logrolling
- As the resident is being turned, the resident must be turned as a unit; the head, back, and legs must remain in a straight line
- It is best to have two people perform the logroll together using a draw sheet and a count of three

# Mechanical Lifts (1)

- Helps prevent injury to staff and residents
- Used to transfer residents to/from beds, chairs, wheelchairs, stretchers, tubs, shower chairs, and commodes
- Use requires special training
- Never use if unsure of the operation of the lift; always ask questions if further explanation is needed

### Mechanical Lifts (2)

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- Different types of lifts available
- Use may be mandatory if facility has a "no lift" policy
- Follow care plan and supervisor's directive
- Notify supervisor if lift is not working right or needs repair
- Explain procedure to resident
- Nurse aide must be at least 18-years old to use the lift







