

Objectives

- 1. Describe principles of body mechanics that help prevent injury to the resident and the nurse aide.
- 2. Identify measures to assist a falling person to the floor safely.
- 3. Describe the correct positioning of residents.

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Importance of Body Mechanics

- Due to the nature of their duties, nurse aides are subject to back and other injuries
- The practice of correct body mechanics is essential for the safety of nurse aides



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Alignment and Posture

Standing up straight allows for:

- correct body alignment
- the body to move and function efficiently and with strength
- good posture



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Lifting an Object off the Floor Preparation

- Face the object
- Bend hips/knees and get close to the object
- · Grip the object firmly with both hands

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Lifting and Carrying an Object

- Maintain correct body alignment when lifting or carrying an object
- · Keep the object close to the body
- Point feet and body in the direction you are moving
- Avoid twisting at the waist



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Points to Remember When Lifting

- Push or pull instead of lifting
- Use large muscles of arms and thighs
- Move in a smooth motion.
- Avoid quick movements with heavy objects
- Face object or person
- Use both arms and hands



A Resident Who Is Falling

- · Control the direction of the fall by easing the resident to the floor while protecting the head
- · Keep the resident still until the nurse can check them
- DO NOT try to hold the resident up: -it can injure the nurse aide and resident -both may lose balance and sustain injuries

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Angles

- An angle is formed when two straight lines meet at a common endpoint
- Angles are measured in degrees and abbreviated with the degree symbol
- The bed frame and head of the bed are the two lines meeting at a common endpoint used to determine the angle of the bed

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60°

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Measuring Bed Angles

- · Angles are used to describe positions in a bed that are measured in degrees ranging from 0° - 90°
- 0° = supine and prone positions (or flat) $45^{\circ} 60^{\circ}$ = Fowler's position $60^{\circ} 90^{\circ}$ = High Fowler's position

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- As the head of the bed is being raised, the angle area is between bottom of the mattress at the head end of the bed and the bed frame
- As the head of the bed is raised, the angle increases



Position Changes and Correct Alignment

• Promotes well-being and comfort, easier breathing, and circulation

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and contractures



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Repositioning the Resident

- Reposition in bed or chair at least every 2 hours or more frequently per the care plan
- Use good body mechanics
- Ask co-workers for assistance as needed
- Use pillows for support and correct positioning
- Recognize the correct alignment for variety of positions while resident is in bed NCDHHS/DHSR/HCPEC | Module I Body Mechanics | July 2024









Positioning the Resident – Lateral



Lying on the right or left side

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Logrolling

- · Position the resident on the side
- Turn the resident as a unit
- At least two people should perform a logroll
- Use a draw sheet and a count of three

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Mechanical Lifts

- Used to transfer residents
- Helps prevent injury to staff and residents
- Use of a lift requires special training
- Never use a lift prior to receiving the special training
- Never operate a lift alone if the lift requires more than one person for operation

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Follow Facility Policy for Mechanical Lifts

- Different types of lifts available
- Use of a mechanical lift may be mandatory if facility has a "no lift" policy for staff members
- Follow care plan and supervisor's directive
- Notify supervisor if lift is not working right or needs repair
- · Explain procedure to resident

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• Nurse aide must be at least 18-years old to use the lift

Many Types of Mechanical Lifts



- Knowledge of the use of one specific lift does not equate to knowledge of how to use all types of lifts
- Special training is required for use of lifts

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