

Topics	
Protecting Yes	ourself: Body Mechanics
Protecting Yo Non-Urgent I	our Patient: Emergency, Urgent, and Moves
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Protecting Yourself: Body Mechanics (2 of 7)

- · Consider the following before lifting any patient:
 - The object

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- Its weight and whether it would require additional help to lift
- Your limitations
- Communication
 - Make a plan and communicate it with your partner.

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Protecting Yourself: Body Mechanics (3 of 7)

- Rules for lifting
 - Position your feet properly.
 - Use your legs.
 - Never turn or twist.
 - Do not compensate when lifting with one hand.

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Protecting Yourself: Body Mechanics (4 of 7)

Rules for lifting

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- Keep weight as close as possible to your body.
- Use a stair chair when carrying a patient on stairs whenever possible.





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Protecting Yourself: Body

- Avoid pushing or pulling overhead.

- If the weight is below your waist, push or pull from

- Keep your elbows bent and arms close to your sides.

Mechanics (7 of 7)

• When pushing or pulling:

kneeling position.

Protecting Yourself: Body Mechanics (6 of 7)

- When pushing or pulling:
 - Push, rather than pull, whenever possible.
 - Keep back locked in.

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- Keep line of pull through center of body.
- Keep weight close to body.

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Bariatric Stretcher



An increasing number of emergency departments are being equipped with hydraulic lifts to transfer obese patients onto the hospital cot. Pearson Copyright © 2021, 2016, 2012 Pearson Education, Inc. All Rights Reserved

Patient-Carrying Devices (4 of 12) Stair chairs Useful where stretchers cannot be easily maneuvered Spine board Short Rarely used in EMS practice Long Primarily for removing patients from vehicles when neck or spine injury is suspected

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Moving Patients onto Carrying Devices (1 of 4)

- Patient with suspected spinal injury
 - Immobilize head, neck, and spine before move.

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- Perform manual stabilization.
- Place a rigid cervical collar.

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- Restrict movement of the neck and spine.

Moving Patients onto Carrying Devices (2 of 4)

- · Patient with no suspected spine injury
 - Extremity lift
 - · Used to carry patient to stretcher or stair chair
 - Can be used to lift patient from ground or from sitting position

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Moving Patients with No Suspected
Spinal InjuryImage: Spinal Injury</t

















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Transferring the Patient to a Hospital Stretcher

 When you arrive at the hospital, you will move the patient from the ambulance stretcher to the hospital stretcher.
 Modified draw-sheet method

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Transfer to a Hospital Stretcher (1 of 4)



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Transfer to a Hospital Stretcher (3 of 4)



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Chapter Review (1 of 5)

 The process of lifting and moving patients is a task that requires planning, proper equipment, and careful attention to body mechanics to prevent injury to your patient and to yourself.

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Chapter Review (2 of 5)

- The most important rule in lifting is to lift with your legs, not your back. Keep your feet shoulder-width apart and keep your knees bent. Rules for lifting are for patients as well as equipment.
- Emergency moves are those that may aggravate spine injuries and, therefore, are reserved for life-threatening situations.

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Chapter Review (5 of 5)

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 Remember the importance of correct lifting and moving techniques on every call. Protect your patient and protect yourself from injury to maintain a long and positive EMS experience.

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Remember (1 of 2)

- Proper lifting technique is an important wellness strategy.
- Biomechanics and rules of lifting help prevent injuries associated with lifting.
- Many different patient-carrying devices exist. Choose the correct device based upon the particular patient and needs of particular movement.

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Appendix 1

Place patient supine and tie the patient's hands together. Straddle the patient, crouch, and pass your head through the patient's trussed arms. Raise your body and crawl on your hands and knees. Keep the patient's head as low as possible.

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Appendix 3

Place the patient's arm around your neck, grasping the patient's hand in yours. Place your other arm around the patient's waist. Help the patient walk to safety. Be prepared to change your movement technique if the level of danger increases. Be sure to communicate with the patient about obstacles, uneven terrain, and so on.

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Appendix 4

Place the patient on the patient's back with knees flexed. Kneel at the patient's head. Place your hands under the patient's shoulders. The second EMT kneels at the patient's feet, grasps the patient's wrists, and lifts the patient forward. At the same time, slip your arms under the patient's armpits and grasp the patient's wrists. The second EMT can grasp the patient's knees while facing, or facing away from, the patient. Direct the second EMT, so you both move to a crouch, and stand at the same time. Move as a unit when carrying a patient. If the patient is found sitting, crouch and slip your arms under the patient's wrists. The second EMT can EMT, so you both move the patient and grasp the patient. If the patient is found sitting, crouch and slip your arms under the patient's armpits and grasp the patient's wrists. The second EMT crouches then grasps the patient's knees. Lift the patient as a unit.

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Appendix 5

The EMT's face the patient, drop to one knee, and if possible, place the patient's arms on the patient's chest. The head end EMT cradles the patient's head and neck by sliding one arm under the neck to grasp the shoulder, moving the other arm under the patient's back. The foot end EMT slides one arm under the patient's knees and the other arm under the patient above the buttocks.

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