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## Scene Safety • When within sight of scene

- Be alert for persons walking along side of road toward collision scene.
- Watch for signals of police officers and other emergency service personnel.

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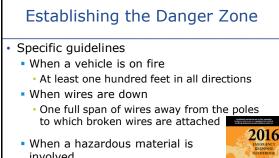
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### Scene Safety

- As you reach the scene
  - Follow instructions of person in charge.
  - Don appropriate protective apparel including head protection, a bunker coat, and an ANSI-approved reflective vest over your coat.



### Establishing the Danger Zone • Around the wreckage of every vehicle collision Specific guidelines • When there are no apparent hazards • Extend at least fifty feet in all directions When fuel has been spilled One hundred feet in all directions from wreckage and fuel



- involved
- Check the Emergency Response Guidebook (ERG)

### Crime Scenes and Acts of Violence Evaluate for threat of violence Fighting or loud voices Weapons visible or in use

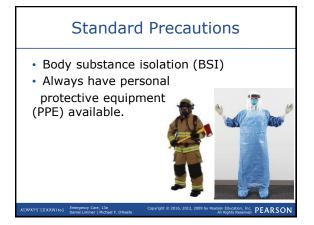
- Signs of alcohol or other drug use
- Unusual silence
- Knowledge of prior violence

### Think About It

 Although any call can present a potential safety hazard, what types of calls might pose the highest threats of potential violence?

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## Nature of the Call (N.O.I.) Determining why EMS has been called Mechanism of injury Nature of illness

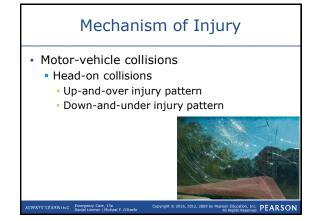
### Mechanism of Injury (M.O.I.)

- Forces that caused injury
- Understanding forces can predict injury patterns.
- Can be very useful in predicting injuries associated with certain types of motor vehicle crashes

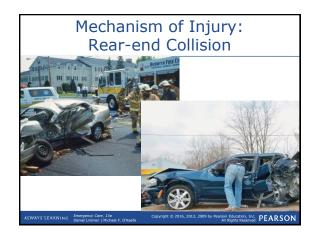
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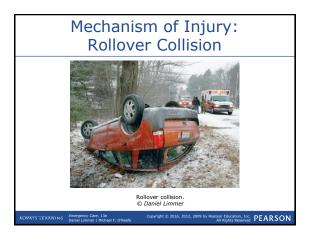
### Mechanism of Injury













### Mechanism of Injury

### Falls

- Adult
   Mana than twenty for
- More than twenty feet
- Child under fifteen years
   More than ten feet (two to three times child's height)



### Mechanism of Injury

Falls

- Important factors
  - Height from which patient fell
  - Surface patient fell onto
  - Part of patient that hit the surface

Anything that interrupted fall

### Mechanism of Injury

Penetrating trauma

- Injury caused by object that passes through the skin or other body tissue
- Classified by the velocity of the item that caused the injury



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### Mechanism of Injury

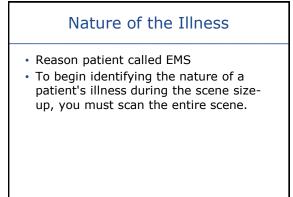
- · Penetrating trauma
  - Low-velocity (knife) injuries
    - Damage limited to area penetrated
    - May be multiple wounds
  - Medium-velocity (handgun/shotgun) and high-velocity (rifle) injuries may be anywhere in the body
    - · Damage directly from the projectile
    - Pressure-related damage, or cavitation

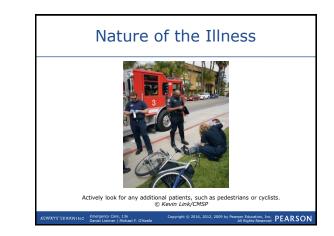
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### Mechanism of Injury

- Blunt-force trauma
  - Injury caused by a blow that strikes body but does not penetrate skin or other body tissues
  - Signs are often subtle and easily overlooked.
  - Maintain index of suspicion based on mechanism of injury





# Antone of the Illness Information may be obtained from any sources. Ine patient Amily members or bystanders. The scene

### Number of Patients and Adequacy of Resources

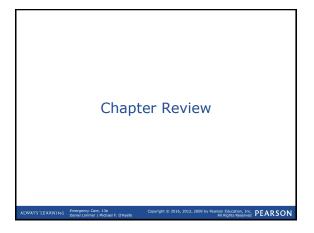
- · How many patients present?
- Sufficient resources on hand to care for all patients?

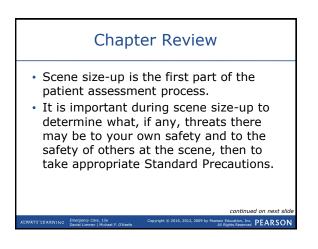
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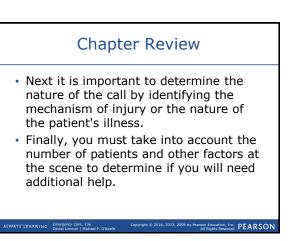
### Number of Patients and Adequacy of Resources

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- Does the situation require specialized resources?
  - Fire
  - Technical rescue
  - Hazardous materials response







## Remember

- Determine what, if any, threats there may be to your own safety and to the safety of others at the scene.
- Take appropriate Standard Precautions.

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### Remember

- Determine the nature of the call by identifying the mechanism of injury or nature of a patient's illness.
- Determine the number of patients and any additional resources necessary.

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# <section-header> Openations to Consider • for each of these dangers, what actions must be taken to remain safe at a collision scene? • leaking gasoline • back or hazardous material spill • Opened power lines

### Questions to Consider

- What are common mechanism-of-injury patterns for the following situations?
  - Head-on collision
  - Rear-end collision
  - Fall from a height

### **Critical Thinking**

• You are called to the scene of a shooting at a fast food restaurant. En route, you plan your scene size-up strategy. What actions do you anticipate taking on arrival?

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