



## **Unit Objectives**

- Upon completion of this chapter, you should be able to:
  - Define injury prevention, injury control, and trauma.
  - Explain why the term "accident" is not used by injury prevention specialists.
  - Briefly summarize the history of injury prevention.
  - Describe the Haddon matrix and its purpose.
  - Describe the Public Health Model.
  - Describe the Pat Barry Four Square and the meaning of the terms: mandatory, voluntary, active, and passive.





- Describe the six criteria for evaluation of injury control strategies.
- Define and provide examples of the 5 E's of injury prevention: education, enforcement, engineering, economic incentives, and evaluation.
- Design an effective "fear message" as part of an educational program.
- Discuss the role of legislation, litigation, and regulation in injury control.
- Explain the importance of evaluation in injury control programs.
- Describe the role of the individual paramedic in injury prevention.
- Describe the role of EMS in injury prevention.

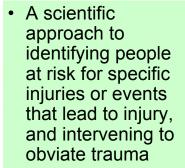
Chapter 2. Role of EMS in Injury Prevention



#### Importance of Injury **Prevention** Percentage Of Deaths Historically, the only weapon **Immediate Deaths** against trauma was medical **Early Deaths** care. 30% Costly **Late Deaths** 20% Ineffective in some cases Does not impact "immediate (Weeks) (Hours) deaths" **Time After Injury 4** ₄ Chapter 2. Role of EMS in Injury Prevention



### **What is Injury Prevention**



Injury is no "accident"





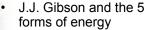


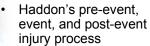


### **History of Injury Prevention**



DeHaven's work on survival from falls and energy absorbing automobiles



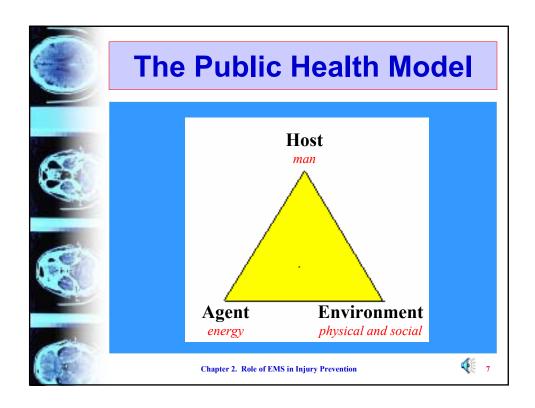


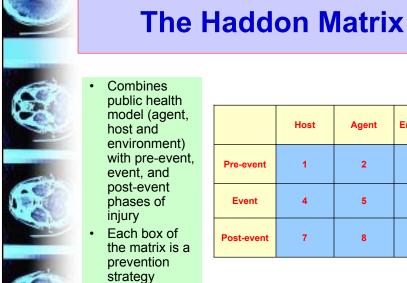
- Haddon's matrix
- Barenyi and automobile crumple zones
- Ralph Nader and MVC injuries





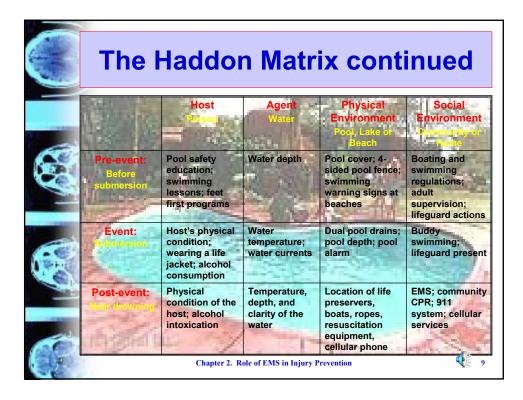






	Host	Agent	Environment
Pre-event	1	2	3
Event	4	5	6
Post-event	7	8	9

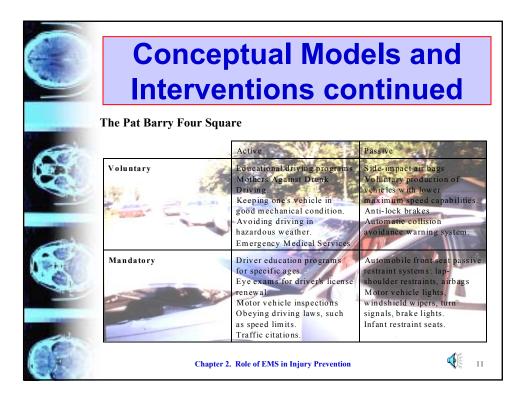


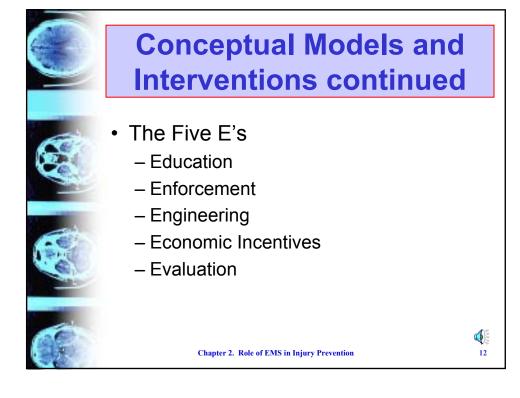




# Conceptual Models and Interventions

- Criteria for Evaluation of Strategies
  - Effectiveness
  - Efficiency
  - Freedom of choice
  - Equity (horizontal and vertical)
  - Social stigma
  - Consumer and manufacturer preference
  - Feasibility







# **EMS** in Injury Prevention



- Irving Zola knows EMS
- Individual
- Family
- Community
- Professional
- Organizational

