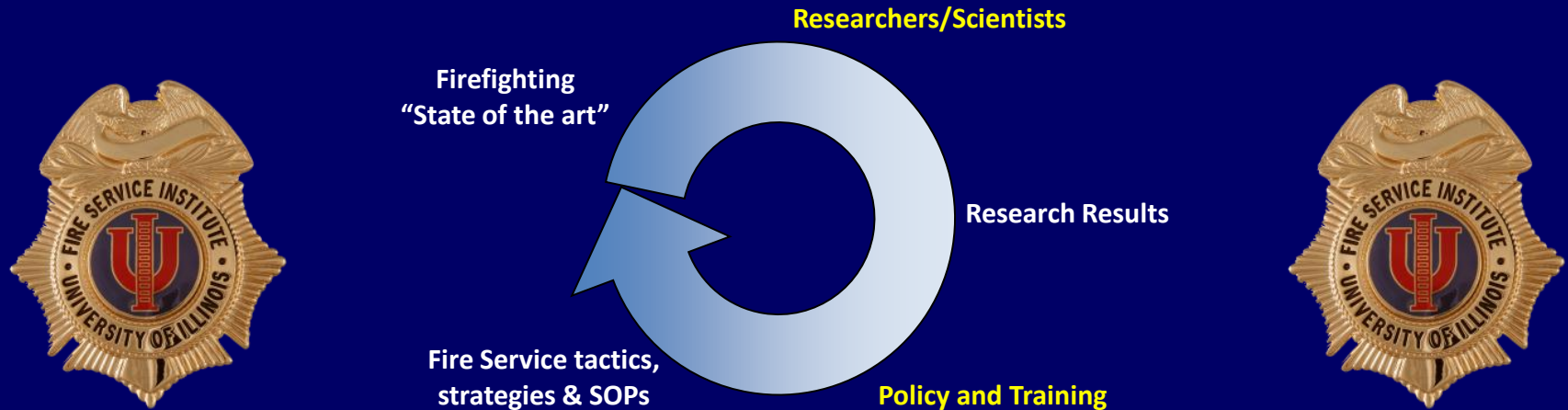


Firefighter Cardiovascular Health & Safety Research Summit 2010





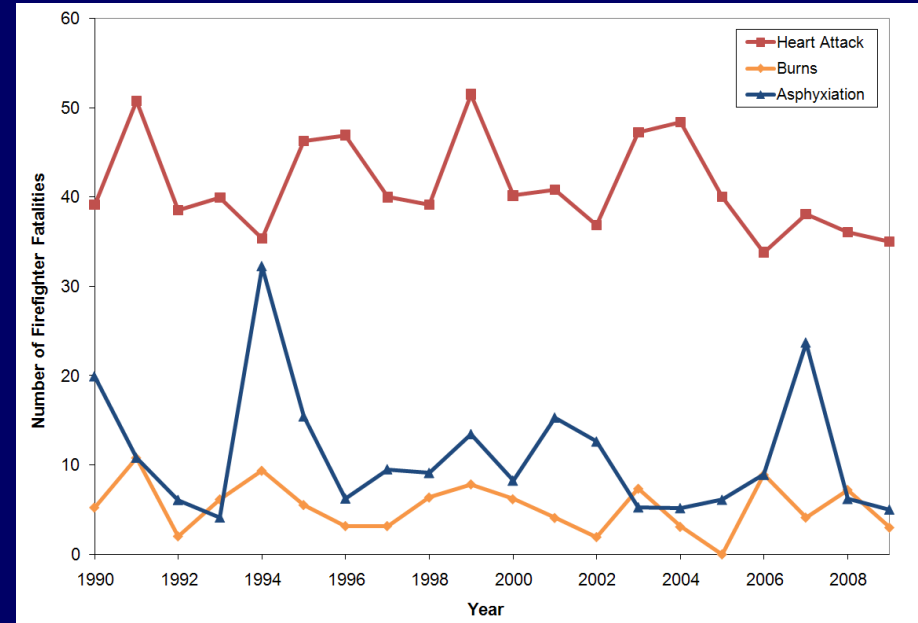
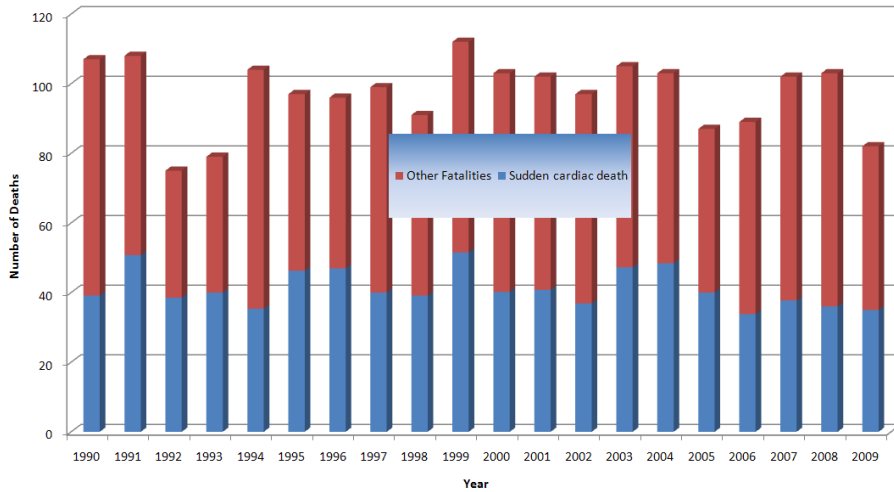
Fire Service Research Funding





Motivation: Fatality Statistics

On-Duty Firefighter Deaths - Cardiac vs Others
(Source: NFPA Journal, 1991-2010)



NFPA Journal (1991-2010)





Purpose

❖ Primary aims

- ◆ Identify **policy and protocol implications** of current firefighter cardiovascular research findings
- ◆ Determine methods of **implementing the lessons learned** from research to provide the highest **positive impact on fireground fatality trends**

❖ Secondary aim:

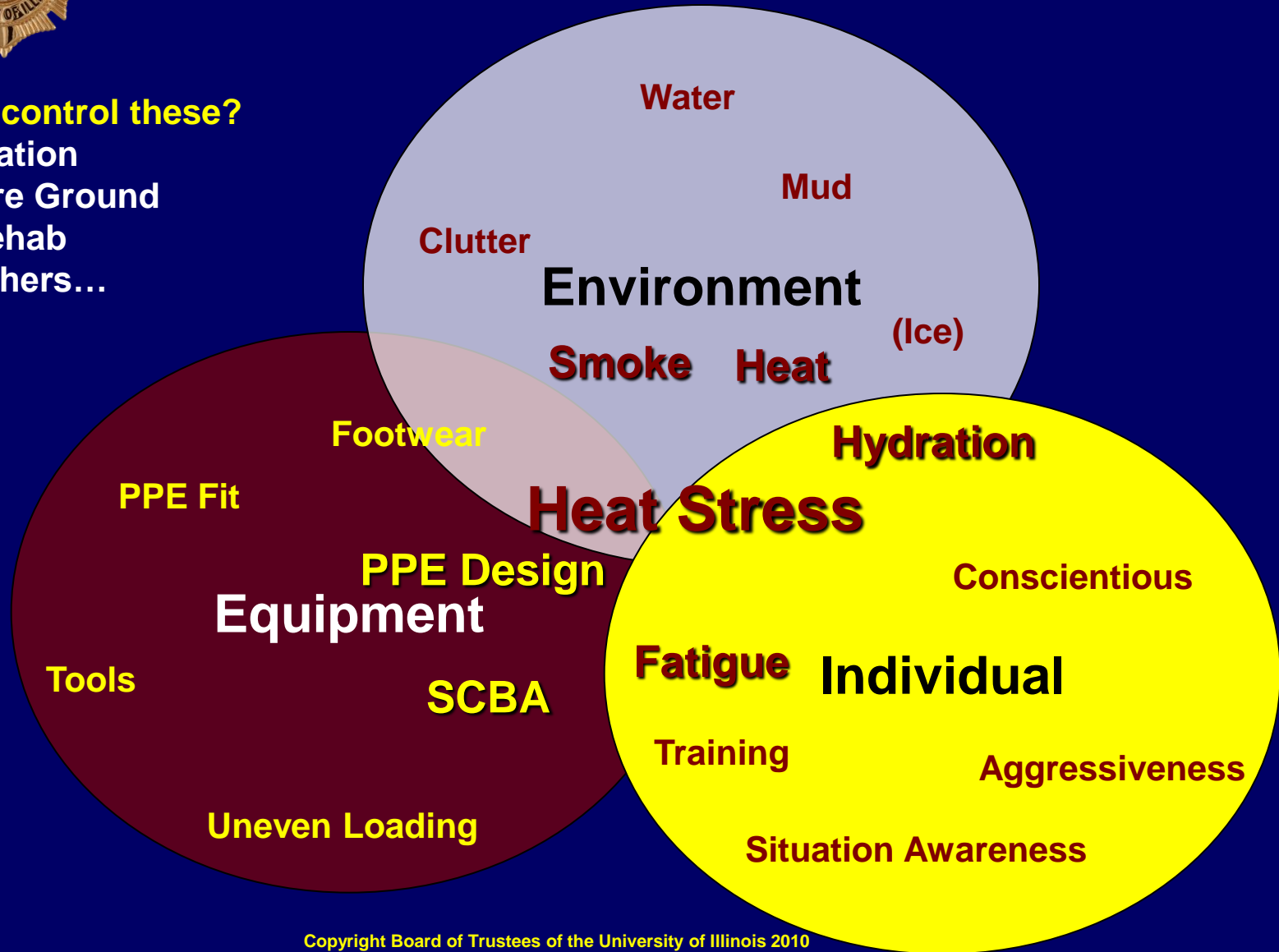
- ◆ Pilot Summit process



Injuries & Fatalities: Contributing Factors

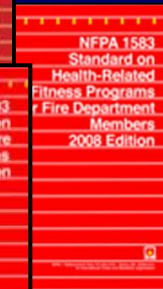
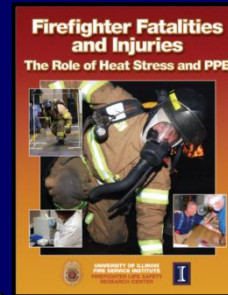
Can we control these?

- Station
- Fire Ground
- Rehab
- Others...





Dissemination: Research to Implementation

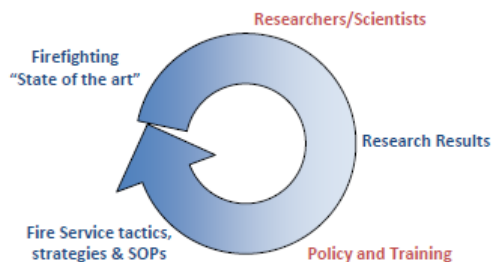




Agenda

Firefighter Cardiovascular Health & Safety Research Summit 2010

- Thursday, September 16
 - Welcome to IFSI – *Richard Jaehne, Director of IFSI* 1:00
 - Background for workshop – *Gavin Horn, Director of Research, IFSI* 1:20
 - Invited speakers:
 - *Denise Smith, IFSI and Skidmore College* 1:30
 - *Stephanos Kales, Harvard University* 2:10
 - *Sara Jahnke, Institute for Biobehavioral Health Research* 2:50
 - Coffee break 3:30
 - Working session: Short presentation and facilitated open forum among all stakeholders to develop actionable outcomes and goals in three areas:
 - Training – *Steve Edwards, MFRI* 3:50
 - Tour IFSI Facilities 5:00
 - Assemble for Dinner – *Alice Campbell Alumni Center* 6:00
(601 W. Springfield Ave, Urbana, IL)
- Friday, September 17 (0800-1430)
 - Welcome 8:00
 - Invited speakers:
 - *David Hostler, University of Pittsburgh* 8:05
 - *Steven Lockley, Brigham & Women's Hospital* 8:45
 - Coffee break 9:25
 - Working sessions:
 - Policy – *Craig Haigh, Chief Hanover Park Fire Department* 9:45
 - Short coffee break 10:55
 - Research – *Denise Smith, IFSI and Skidmore College* 11:05
 - Lunch 12:15
 - Report out 1:15
 - Meeting Concludes 2:30





Report Out

Needs

Challenges

	A	B	C	D	E
1					
2					
3					
4					
5					

- ❖ **Training**
- ❖ **Policy**
- ❖ **Research**



Questions to Consider: Training

- ❖ **What does research suggest needs to be changed from training standpoint?**
 - A. Medical clearance
 - B. Physical fitness or PAT test
 - C. Live fire training - risks and benefits
 - D. Number/duration of evolutions and interaction with environment
 - E. Rehab protocols and monitoring of trainees
 - F. Other

- ❖ **How do you support changes in a training environment?**
 - 1. State training academies
 - 2. Standards
 - 3. Instructor expectations/experiences
 - 4. Departments sending trainees
 - 5. Financial considerations
 - 6. Other



Questions to Consider: Policy

- ❖ **What does research suggest needs to be changed from policy standpoint?**
 - A. Medical evaluations
 - B. Fitness standards
 - C. Rehab protocols
 - D. Resource (human and capital) deployment
 - E. Other
- ❖ **How do needed policies get implemented?**
 1. Departmental buy-in
 2. Administrative support (city council, village board, protection districts, etc)
 3. Financial support
 4. Partnership opportunities
 5. Other



Questions to Consider: Research

- ❖ **What research is missing or needs to be further developed to support the Fire Service?**
 - A. Medical/physiological
 - B. Fitness
 - C. Behavioral/psychological
 - D. Technology
 - E. Other
- ❖ **How do we transition research to practice?**
 1. Dissemination
 2. State training academies
 3. Standards
 4. Local departments
 5. Other