

## International Injury Prevention Symposium 2nd June 2009

Hosted by:  
International Injury Research Unit,  
Department of International Health,  
Johns Hopkins University Bloomberg School  
of Public Health

## Injury Surveillance Systems: Global Perspectives

IIRU Seminar, June 2, 2009

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### Injuries - a major burden and growing...



### Outline

- Brief introduction to 'IIRU'
- Defining injury surveillance
- Why surveillance?
- Agenda for today

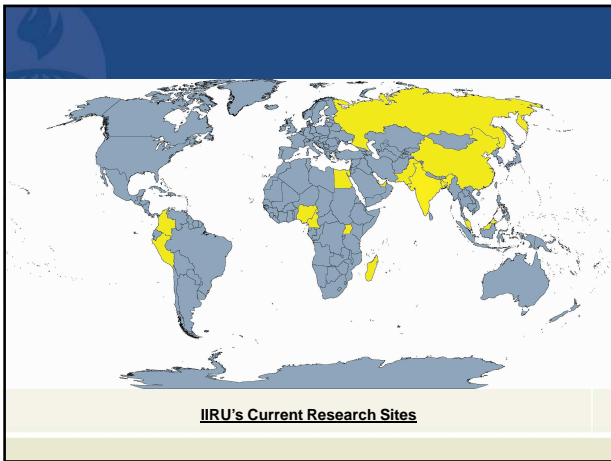
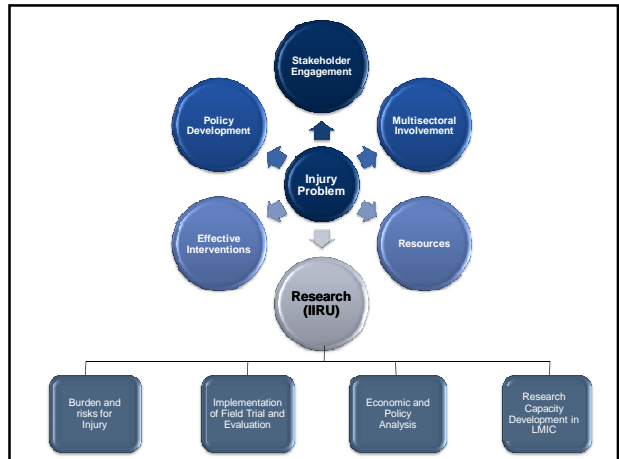
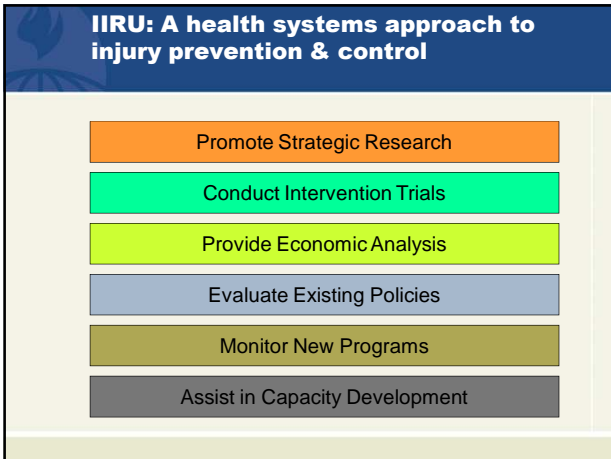
Introduction:

## INTERNATIONAL INJURY RESEARCH UNIT

### International Injury Research Unit (IIRU)

#### • MISSION:

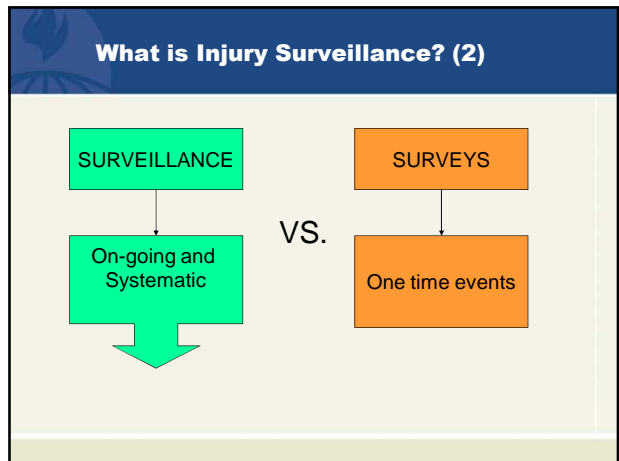
*“understanding the burden of injuries and developing affordable means of injury reduction and safety promotion in underserved populations of the world”*



### Definitions: INJURY SURVEILLANCE – WHAT IS IT?

### What is Injury Surveillance?

- Surveillance is:
- ...“the ongoing, systematic collection, analysis and interpretation of data essential to the planning, implementation and evaluation of practice, closely integrated with the timely dissemination of these data to those who need to know... the final link is the application of these data to prevention and control”



### What is injury Surveillance? (3)

- **collection, analysis and interpretation of data:**

- Requires appropriate planning and sufficient resources (human and financial) to ensure each component is undertaken



### What is injury surveillance? (4)

- **essential to the planning, implementation and evaluation of practice:**

- The health problem (e.g. deaths, non-fatal events)
- Population at risk (age, gender)
- Risk factors (helmet use, alcohol)

### What is injury surveillance? (5)

- **timely dissemination of these data to those who need to know:**

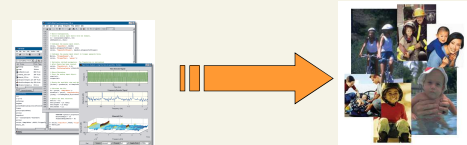
- Requires engagement between those who maintain the surveillance system and those who are responsible for the development and implementation of policies and practices



### What is injury surveillance? (6)

- **application of these data to prevention and control:**

- Requires regular monitoring to ensure surveillance system collects data that are relevant for prevention and control purposes



### What is Injury Surveillance?

- Surveillance: is
- ...“the ongoing, systematic collection, analysis and interpretation of data essential to the planning, implementation and evaluation of practice, closely integrated with the timely dissemination of these data to those who need to know... the final link is the application of these data to prevention and control”

Rationale:

### **INJURY SURVEILLANCE – WHY DO WE NEED IT?**

### Why injury surveillance? (I)

- As clinicians, injury researchers, & public health practitioners our ultimate goal is **to prevent & reduce the burden of injuries**.



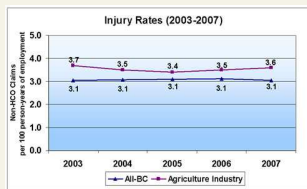
### Why injury surveillance? (II)

- Enables **definition of “problem”** in the first place
  - Extent & nature of problem in relation to other health problems
  - Provides rationale for support from funders/stakeholders



### Why injury surveillance? (III)

- Surveillance data enables **measurements of success** towards this goal:
  - Baseline and follow-up information
  - Trends over time



### Why Injury Surveillance? (IV)

- Provides information that facilitates the **development & implementation of interventions**
  - Who, what, and where



### Injury Surveillance can...

- Define the problem
- Prevent and reduce injuries
- Define interventions
- Evaluate strategies

For Today:  
**AGENDA...**

## Exploring...

- What are some examples of injury surveillance from around the world?
- How can it work in the developing world?
- How can the data help in actual decision making?
- What are the limitations of surveillance?

**Thank you!**

[www.jhsph.edu/IIRU](http://www.jhsph.edu/IIRU)