Building the Injury and Violence Prevention Infrastructure

2006 STIPDA Annual Meeting

Injury and Violence Prevention Infrastructure Development

Need for infrastructure development/ training well documented

- IOM report (1999)
  - Cited need to train PH practitioners on evidence-based prevention
  - Defined infrastructure in governmental and academic environments
- AAMC report (2006)
  - Examined state of medical school teaching on injury/violence
- ASPH report (2006)
  - Examined state of public health school teaching on injury/violence
- STIPDA/NTI needs assessments (multiple)
  - Documented need for training in state & local health departments

Selected major injury and violence prevention training efforts:

- National Training Initiative for Injury and Violence Prevention (NTI)
- PREVENT
- TEACH-VIP
- Indian Health Service Injury Prevention Fellowship Program
National Training Initiative for Injury and Violence Prevention (NTI)

- State and Territorial Injury Prevention Directors Association (STIPDA)
- Society for Advancement of Violence and Injury Research (SAVIR)
- STIPDA-SAVIR formed Joint Committee on Infrastructure Development in 2000
  - Governance & representation from STIPDA & SAVIR
  - Other partners include CDC, MCHB, NHTSA, IHS, EDC/CSN

NTI Goals

- Reduce mortality and morbidity from injury and violence
- Develop infrastructure & core capacity of state & local injury/violence prevention programs
- Enlarge the pool of trained injury and violence prevention practitioners
NTI major activities to date

- Core Competencies for Injury and Violence Prevention (www.injuryed.org)
  - Proficiency levels for each competency
  - Self-assessment tool under revision
  - Mapping of existing training to document areas of competency coverage & gaps

- Training Programs
  - Workshop on child farm safety in SE region
  - WHO’s TEACH-VIP program piloted in MD and OK
  - PREVENT Project (Preventing Violence through Education, Networking and Technical Assistance)

NTI future plans/ideas (dependent on new funding)

- NTI efforts:
  - Practitioner training focused on core competencies
  - Scholarships for participation in training
  - Online, searchable guide to training programs mapped to core competencies
  - Toolkits to use core competencies as basis to help:
    - Assess competency levels of existing staff
    - Orient staff new to injury & violence prevention
    - Guide professional development planning
- Other potential activities:
  - Addressing the spectrum of infrastructure development needs

PREVENT
Preventing Violence Through Education, Networking and Technical Assistance

- A program of the National Training Initiative
- Funded in 2003 by a 4 year Cooperative Agreement from Division of Violence Prevention, NCIPC to UNC Injury Prevention Research Center
- Focuses on primary prevention of violence including sexual violence, domestic violence, youth violence, child maltreatment and suicide
**PREVENT Mission**

To enhance capacity nationally of individual practitioners & their organizations to engage in the primary prevention of violence.

**PREVENT trajectory for participants**

- **Level of Influence**: Socio-cultural, Community, Organizational, Relationship, Individual

- **Type of Prevention**: Tertiary prevention (Crisis intervention), Secondary prevention (Early intervention), Primary prevention (Treatment)

**PREVENT Approach**

- Social ecologic framework
- Focus on primary prevention
- Evidence-based approaches
- Based on core competencies of National Training Initiative
- Action learning in teams
- Multiple methods of training:
  - Intensive face-to-face training
  - Distance learning (web, phone, satellite)
  - Coaching
  - Ongoing networking & technical assistance
PREVENT Face – to – Face
Training Opportunities

**LEADERSHIP INSTITUTE**
- Participants selected
- As teams
- Cite leadership experience
- Letters of Support
- 4 days onsite
  - Leadership & team development
  - Prevention approach
  - Program planning & evaluation
  - Networking
- 6 mo. Coaching & action learning project
- 2 day follow up
  - Communication
  - Project Reports and feedback

**REGIONAL WORKSHOPS**
- First come, first served
- 2 days onsite
- Prevention approach
- Program planning & evaluation
- Networking
- 3 mo. Coaching & action learning project

PREVENT Coaches
- Experienced in injury and/or violence prevention
- Familiar with concepts of program development
- Current coaches:
  - Leadership Institute
    - Barb Alberson
    - Sue Binder
    - Sue Gallagher
    - Mark Johnson
    - Jackie Moore
    - Debbie Ruggles
    - Shelli Stephens-Stidham
  - Child Maltreatment Institute
    - Sunshine Cowan
    - Shelley Golden
    - Victoria Sanchez
    - Barak Wolff

Institutes and Workshops
2004 - 2006

Institutes (2005 - 06)
(n=31 teams, 154 participants)
- Chapel Hill, NC 2005
- Chapel Hill, NC 2006 (X2)
(n=9 teams, 52 participants)
- Chapel Hill, NC (July 2006)
Institutes (2007) - PLANNED
(n~20 teams, n~100 participants)
- Chapel Hill, NC (2007)

Workshops (2004 - 05)
(n=88 teams, 375 participants)
- Durham, NC
- Sacramento, CA
- Columbus, OH
- Oklahoma City, OK (X2)
- Chapel Hill, NC
- San Diego, CA
- Washington, DC
PLANNED in 2006-07:
- Oklahoma City, OK
- Atlanta, GA
- Other?
Institute and Workshop Teams
2004 - 2006

Institute Teams, n=31
Workshop Teams, n=88
CMT Institute Teams, n=9

Institute and Workshop Participants
2004 - 2006

> 20 Participants
> 10 Participants
5-10 Participants
< 5 Participants
0 Participants

Process and Impact Evaluation:
Summary of IMPACT results to T2

- Time & funding to do primary prevention is perceived as major barriers
- Over time, participants perceive greater ease in doing primary prevention & collaborating
- Institute has greater impact than workshops
For more information...

- About the National Training Initiative overall:
  - www.injuryed.org

- About PREVENT:
  - www.prevent.unc.edu

Reflections of a PREVENT coach...

Training, Educating, Advancing Collaboration in Health on Violence and Injury Prevention

- World Health Organization
- International perspective
- 32 Academic Institutions (7 US-based)
- 60 experts (19 countries)
- Funded by Governments of:
  - Netherlands
  - Norway
  - Sweden
  - U.S.A.
**Populations**

- Tailored initially to practitioners of public health
- Also: Medical profession and allied health
- Minimum requirement: Bachelors degree
- Provides general knowledge about the PH approach to injuries within the wider context of IPC
- Core module length: 20 hours

**TEACH-VIP: Countries**

![World Map]

**Course objectives**

1. To identify the basic principles of injury prevention, control and safety promotion.
2. To differentiate basic measuring techniques use in the study of injury problems in the community.
3. To diagnose injury problems with a multilevel perspective.
4. To design, implement and evaluate injury prevention and safety promotion interventions in the community.
Course objectives

5. To identify and compare effective injury prevention and control interventions (products, programs, policies).
6. To advocate for injury prevention in communities.
7. To practice injury prevention control and safety promotion based on universally accepted ethical principles.

Characteristics

- Adaptable for distance or residential education
- Adaptable to multiple education systems
- Adaptable to several geographic regions
- Modular structure

Areas of focus

- Epidemiology: Principles, definitions, information systems, types of injuries, costs
- Interventions: Types, effectiveness, basic methods
- Evaluation
- Policy development
Core Module areas of knowledge

1. Foundations and fundamentals:
   - Definitions
   - History
   - Classification
   - Research, monitoring & evaluation
   - Care & rehabilitation
   - Policy development, advocacy, multidisciplinary

2. Specialized areas:
   - RTIs
   - Burns, falls, animal bites, etc
   - Intentional injuries
   - Occupational injuries

Core Module sections

I. General concepts of IPC
II. Injury information systems
III. Ethical issues involved in IPC
IV. General epidemiological tools for IPC
V. Applied IPC
VI. Injury care and rehabilitation
VII. Inter-disciplinary approach to IPC
VIII. Policy development and advocacy

Specialized Modules

- General theory of injury prevention, classification and measurement of injuries
- Injury information systems
- Applied ethics in the injury field
- Injury research and evaluation methods
- Injury care and rehabilitation
- Road traffic injuries
- Falls, burns and drowning
- Animal bites and poisoning
- Abuse and neglect: Children and the elderly
- Gender-based violence
- Interpersonal violence and collective violence
- Work-related injuries
- Advocacy and policy making
Manual for instructors

- Introduction and overall approach for instructor
- Lesson name and topic
- Objective(s) of lesson
- Core competencies for lesson
- Lesson notes: (electronic slide format with text and presentations included)
- Questions and exercises with answer keys
- Required and recommended readings

Student’s course pack

- Introduction and overall approach for students
- Lesson name and topic
- Objective(s) of lesson
- Core competencies for lesson
- Lesson notes: (electronic slide format without text)
- Questions and exercises
- Required and recommended readings

Questions and exercises

- Application of lesson materials
- Stimulating critical thinking
- Use of basic quantitative methods
- Use of literature to understand concepts
Course evaluations

• Baseline questionnaire
• Trainer questionnaire
• Participant questionnaire
• Six month follow-up questionnaire

• Multiple settings: 1 day, 1 week, 1 semester
• Adaptation of materials to local needs
• Creation of relevant examples, exercises
• Audience selection:
  a. Too much content
  b. Too little time
  c. Too difficult
• Trainers are key