Capacity development for RTI Prevention and Control

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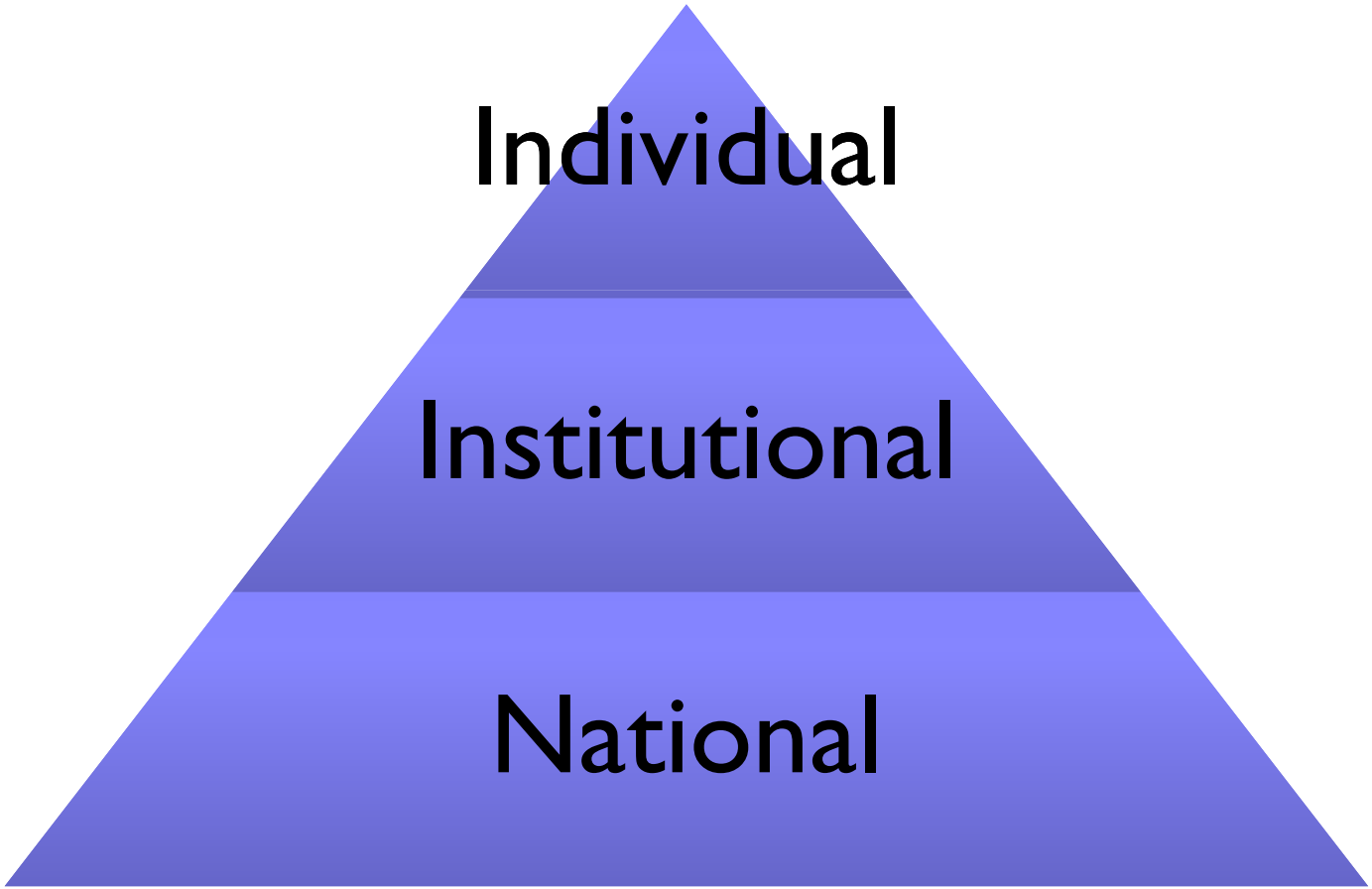
Road Traffic Injuries Research Network

Outline

- Levels of Capacity Development
  - Thoughts
  - Examples
- Challenges for Capacity Development
- Discussion

Capacity development at three levels



Individual Capacity Development

- Standard master's and doctoral programs available in many countries
  - Full time degree models
  - European "sandwich" models
- Various programs available to individuals interested in RTI research and practice:
  - TEACH-VIP
  - MENTOR-VIP
  - YOURS
    - Action Kit (http://www.youthforroadsafety.org/)

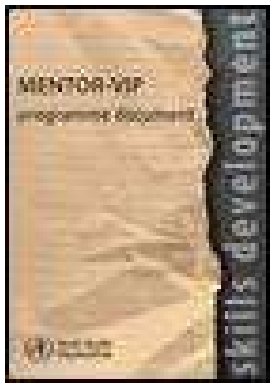
YOUTH FOR ROAD SAFETY

TEACH-VIP

- Comprehensive *freely available* injury prevention and control curriculum developed through WHO and a network of global injury prevention experts
- 32-page user's manual; 67 lessons
  - Core lessons cover fundamentals of injury prevention
  - Advanced lessons cover topics in greater detail
- TEACH-VIP 2 is the most recent version
  - http://www.who.int/violence_injury_prevention/capacitybuilding/teach_vip/en/

MENTOR-VIP

- Global injury and violence prevention mentoring programme
  - WHO and network of global injury prevention experts
  - Matches "mentees" wishing to develop skills with "mentors" who agree to devote time and effort to assist in that process
  - 12 month mentorship period
- Low cost model for mentoring
- Primarily electronic and telephonic interactions (http://www.who.int/violence_injury_prevention/capacitybuilding/mentor_vip/en/)



Institutional Capacity Development

- Key to the success of individuals are institutions
  - Individuals return to them and work in their context
- Institutions for RTI prevention and control ought to
  - Be models for research production (with appropriate degree programs)
  - Provide support to established emerging investigators
    - Advising, mentoring, incentives
  - Inspire career pathways
- There are a number of programs which allow for institutional capacity building
  - E.g. Fogarty International Center—National Institutes of Health (US) grants

International Collaborative Trauma and Injury Research Training Program

JHU Investigators:

- Adnan A. Hyder, Ellen J. Mackenzie

AKU Investigators:

- Junaid A. Razzak

Funding Source:

- NIH, Fogarty International Center

Project Dates:

- Mar 2005 – Feb 2016

Project Goals:

- to strengthen research capacity on acute care of trauma and injuries in Pakistan;
- to develop a center of excellence at AKU for emergency care/research

Outcome(s)/Status:

- Second cycle of NIH grant obtained for next 5 years
- WHO Collaborating Center established at AKU
- Expanded training to Khyber Medical University, Peshawar
- First ever multi-site ED surveillance study completed (300,000+ cases)

A symposium, *Trauma Injuries and Disasters: Research and Training Imperatives*, was organised by Johns Hopkins in collaboration with AKU The speakers were presented with gifts of Sindhi Ajrak and caps.—STAR photo

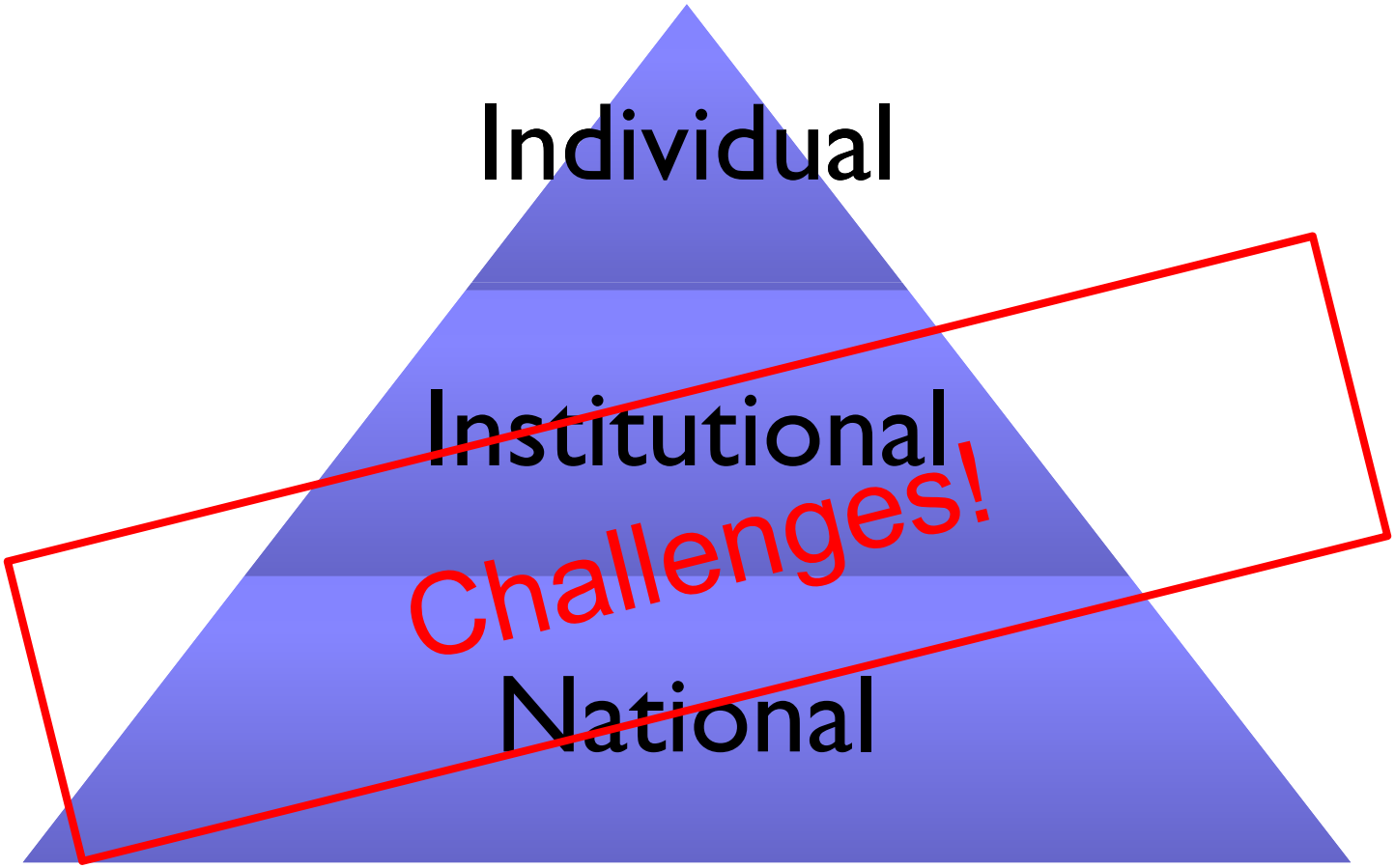
National Capacity Development

- National institutions for road traffic injury and control need strengthening
  - Policy and strategic institutions
  - Research institutions
- Recommendations of the *2004 World Report on Road Traffic Injury Prevention* there have been impressive gains in many countries
  - Reports of lead agencies being established for road safety
  - Development of national road safety strategies
  - Designated budgets for road safety in a few cases

National Capacity Development

- High income country models (e.g. NHSTA, SWOV, etc)
  - But are they relevant to LMICs?
- E.g. successful development of a national research institution:
  - *Malaysian Institute of Road Safety Research* (MIROS)
    - Carries out studies and evaluates current procedures on road safety to generate information to form the core of evidence-based interventions

Capacity development at three levels



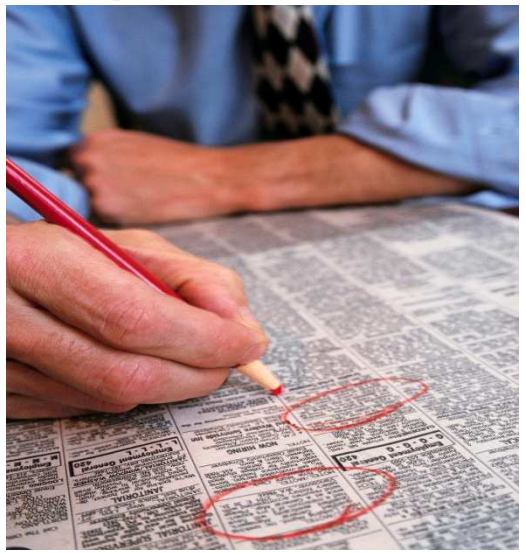
Challenges for Capacity Development

- How do we inspire passion for science of RTI prevention and control (especially in LMIC contexts?)
  - Cost prohibitive institutions
  - Universities w/out courses on injuries
  - Little or no incentives

- Financial Resources
  - Limited
  - Donor organizations do not often think of capacity development
    - Monies for capacity development can be built into project budgets

Challenges, continued

- Human Resources
  - Often a dearth of injury experts especially in LMICs
  - We need faculty and faculty
  - Training the trainers



- Career Pathways
  - What can students studying injury prevention and control expect to do in the future?
  - What are the most common career trajectories?

Challenges, continued

- Interactions with policy world
  - How do we get policy makers to recognize need for injury research capacity?
  - How do we get injury researchers to work with (and reach out to) policy makers?
- Networking and young professionals

Thank you!

www.rtirn.net

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