

## **Program: Estimating the Burden of Injuries in Africa**

This meeting on estimating the burden of injuries in Africa is one of a sequence of meetings related with injury measurement being held at Swansea from 17<sup>th</sup> to 20<sup>th</sup> September 2010. In particular, the GBD-Injury Expert group meeting on 18<sup>th</sup> September discusses closely related issues and methods but in a global perspective.

**When: Friday, 17th September 2010**

Where: Seminar Room, 1<sup>st</sup> Floor, Institute of Life Science, Swansea University,  
Swansea, United Kingdom

**Aim:** The purpose of this one-day meeting is to:

- Discuss progress on developing regional and country estimates of the burden of injuries.
- Discuss the technical basis for a cross-country collaboration on injury metrics. Thus, we will examine the similarities and differences in information architecture, and identify needs for common methods.
- Discuss the value of such research collaboration to all participants with the aim of identifying how the partnership may be structured differently in the future.

### **PROGRAM SUMMARY**

- Registration (8:45am – 9:00am)
- Welcome, Introduction, and Overview (9:00am – 9:30am)
- Session 1: Architecture of data sources for measuring injuries in Africa (9:30am – 11:15am)
- Session 2: Analytical methods for common types of data sources (11:30am – 12:30pm)
- Session 3: Special focus: Mortuary data (1:30pm – 3:45pm)
- Session 4: Improving future collaboration (4:00pm – 5:00pm)

Morning and afternoon refreshments and lunch will be provided.

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## **PROGRAM DETAILS**

**Registration** (8:45am – 9:00am)

**Welcome, Introduction, and Overview** (9:00am – 9:30am)

**SESSION 1: Architecture of data sources for measuring injuries in Africa**  
(9:30am – 11:15am)

In this session, we will examine the data sources inventory available from each country and discuss the similarities and differences in information architecture. In particular, we will seek to identify common types of sources (e.g. surveys, mortuary registers) and the common technical issues (e.g. handling recall biases, estimating completeness), which provide an important basis for this technical collaboration.

- Overview (Kavi Bhalla, 10 min)
- Poster viewing: Six country posters displaying country data sources and summary results: Ghana (Adofo Koranteng), Sudan (Safa Abdalla), Ethiopia (Kunuz Abdella), Nigeria (Uwom Eze), Zambia (Robert Mtonga), Mozambique (Jerry Abraham) (25 min)
- Panel presentation: Six country poster presentations (30 min)
- Panel discussion: Similarities and differences in data sources (25 min)

**BREAK (11:15am – 11:30am)**

**SESSION 2: Analytical methods for common types of data sources**  
(11:30am – 12:30pm)

This session will explore methods for handling some common types of data source that are unique to Africa, and on methods for triangulating to national estimates from multiple country data sources. Note that this Session will *not* discuss some key data sources that are covered later. Notably, mortuary data is discussed in Session 3, and surveys and hospital datasets, will be discussed in the GBD-Injury meeting on the following day (18th September).

- Overview of methods (Kavi Bhalla, 5 min)
- Estimating injury mortality from census data and HDSS data (Kavi Bhalla, 15 min)
- Estimating national burden of injuries: Sudan vs Mozambique (Safa Abdalla and Jerry Abraham, 15 min)
- Panel discussion (25 min)

**LUNCH (12:30pm – 1:30pm)**

### **SESSION 3: Special Focus: Mortuary data**

(1:30pm – 3:45pm)

Mortuaries, and hence mortuary records, already exist in most major urban centers in Africa. Several of us have conducted research on injury mortality patterns using mortuary data collected retrospectively or prospectively. This session focuses first on technical issues related with using mortuary data to estimate population-based injury mortality rates in the current project.

Next, we will focus on the long-term perspective. WHO recognizes the potential value of conducting injury surveillance at mortuaries and is developing guidelines that will help to systematize the process. This session will include a panel discussion that will allow researchers to provide feedback to WHO on the technical and logistical practicality of the guidelines.

- Overview of estimating injury mortality from mortuary data (Kavi Bhalla, 20 min)
- Testing completeness of mortuary data by linking with police records (Adofu Koranteng, William Ackaah, and James Damsere Derry, 20 min)
- Cross-national comparison of mortuary data (Uwom Eze, 20 min)
- Guidelines for prospective mortuary surveillance (Joan Ozanne-Smith and Kidist Bartolomeos, 20 min) followed by reactions from panel (40 min)
- Panel Discussion (15 min)

**BREAK (3:45PM - 4:00PM)**

### **SESSION 4: Panel Discussion : Improving future collaboration**

(4:00pm – 5:00pm)

Collaboration is successful when all participants make progress towards their research and policy agendas. The injury estimates produced in this project can be used to target a wide range of policy makers, including international funding agencies, national policy makers and advocacy agencies. The purpose of this session is to assess the current project in relation with the primary research and advocacy goals of the collaborators. This panel discussion will seek to identify how things should be done differently in the future.

We will discuss the potential outputs from this project and assess what purpose these serve and which should be given priority. The potential list of products from this project include:

- Regional Reports: Burden of injury reports for the four regions of Sub-Saharan Africa
- Country Reports: Selected country burden of injury reports
- Country data repositories: For example: Ghana, Uganda, Ethiopia
- Developments in methods: e.g. using mortuary surveillance, census data, HDSS site data for injuries