

Case Study 1

Patterns and Impact of

Road Traffic Injuries in Hyderabad

Principal Investigator

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Funding

The Wellcome Trust, UK

Step 1

Preliminary details

- Identify the potential agency
- Identify the type of grant / programme

Health Consequences of Population Change Programme (HCPC programme)

Research into health impact of shifts in population structure and dynamics

Step 2

Preliminary application

- **WT to assess the eligibility of the candidate**
- **To determine whether the proposed research falls within its funding remit**

4 pages – May 2004

Step 2

Preliminary application - context

- **Ill health due to motorisation as a consequence of urbanisation**
- **Relevance of road *accidents* and need for systematic evidence**
- **Link to health policy (road safety and emergency care)**

Relevant, important and feasible

Outcome of Step 2

- **Preliminary application accepted**
- **Full application invited**
- ***Certain don'ts suggested for favorable consideration of the final application***

August 2004

Step 3

Full application

- **Review of the application form**
- **Review of guidelines to complete the application**
- **Review of the WT grant conditions**

Read, read and read!

Components of application

- **Summary of research**
- **Research question and its importance**
- **How does it relate to WT's mission**
- **Details of research**
- **CVs of applicants**
- **Financial support**
- **Justification for financial support**

Time frame

3 months to submit the application

September – November 2004

2-3 months for peer-review process

*Before the next scheduled meeting of the Review
Committee of HCPC programme*

May 2005

Research question

Significant?

Does it address an important problem?

How will scientific knowledge be advanced?

Innovative?

Does it build upon or expands knowledge base?

Is it capable of making a difference?

Background

Road traffic injuries in India

- **Magnitude**
- **Economic costs**
- **Vulnerable populations**
- **Risk factors**
- **Nature of road traffic crash**
- **Severity of injuries**

What is known, not known, and work done by us

Vulnerable populations



Relative risk not available

Risk factors



Not readily available

Epidemiology of RTI

- **Who is being injured?**
- **How are people being injured?**
- **What is the level of injuries?**
- **How people manage their injuries?**
- **Why some have people die and some have disability?**
- **What is cost and impact of injuries?**

Aim of Research

- To conduct a population-based assessment of RTI in Hyderabad (Household survey)
- To conduct an in-depth assessment of RTI cases reporting to the Emergency departments in hospitals (Hospital study)
- To recommend measures and priorities for road safety interventions and policies to reduce RTI

Research question

- **Objectives** - *clearly defined and focused*
- **Study design** – *scientific and feasible*
- **Data collection** – *appropriate for objectives*
- **Data analysis and outcome**
- **Other issues** – *ethics, quality, training*

Reviewer's perspective

Research question

- **Approach** – *appropriateness of framework, design, methods, analyses*
- **Organisation of research details** – *understandable and logical*
- **Investigators** – *background and capability*

Time frame

Component of the project	Months
Preparation of study protocol, designing questionnaires, recruitment of field staff	2
Training of field staff and pilot study	2
Data collection	9
Data analysis	3
Start dissemination of findings through report, scientific publications and presentations	2

18 months - *Certain degree of flexibility*

Funding support

Review components

- Applicants
- Other staff
- Study materials
- Travel and daily allowances for field work

Not too much **but** not too less!

Outcome

- **Application submitted in December 2004**
- **Grant awarded in June 2005**