

Workshops on Skills development for Research on Road Traffic Injuries
Kandy, Sri Lanka. 5th January, 2005

Publishing Papers on Road Traffic Injuries: Bangladesh Experiences

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Sharing experiences on writing and publishing a articles on Road Traffic Injuries

Sharing a draft manuscript and raise some issues for discussion

Preparation of a Manuscript

- General principles
 - Mental make-up
 - Structure of the article
- Specific preparation
 - Preparing title page
 - Abstract and key words
 - Introduction
 - Methods
 - Results
 - Discussion
 - References
- Sending the Manuscript to a Journal

Concept: The Burden of Road Traffic Injuries in South Asia



Peer Reviewed



Preparation of manuscript according to the journal guidelines



Submission to the Journal



Revised according to Reviewer's comment



Final Submission

Bangladesh road crash costing- a case report

Authors:

Abstract:

Key words: Road Crashes, Costing,
Bangladesh

Introduction/background

- Magnitude of RTI problem
- Rationale for cost calculation
 - Motivating policy makers
 - recognising injury as public health problem
 - inclusion of injury in the national health programme
 - allocating resources to address this issue
- Objectives
 - estimate of RTA casualties
 - Estimate the RTI cost to country and to poor
 - identify social impact

Methods

For estimating Burden of RTI

Household Survey

- Cross-sectional study
- Multistage cluster sampling technique
- **Respondents:** Senior Female member of the households/ Head of the households.
- **Data Collection Technique:** Face to face interview
- **Questionnaires**

Methods

Cost Estimation

- Direct cost
 - Property damage: *Vehicle damage, Health expenditure*
 - Garage survey, victim survey, Transport operators, Insurance analysis
 - Hospital cost survey (Hospital, medical, rehabilitative)
- Lost output: *average wage rate, productive years, life expectancies*
 - Victim survey
- Human cost: *Pain Grief and Suffering*
 - WTP, Court awards
- Other cost: Administrative cost

Results

Population and Survey Distribution

	Survey sample			
	No. Households	Average family size	Population	Share
Urban				
Metropolitan	15,083	4.77	71,980	17.3%
Other Urban	9,161	4.99	45,699	11.0%
Rural	58,956	5.04	297,141	71.6%
Total	83,200	4.99	414,820	100%

Results

Number of casualties by severity type and incidence rate

	No. casualties surveyed			Incidence rate (per 100k pop)		
	urban	rural	national	urban	rural	national
Fatal	56	148	204	9.5	10.0	9.8
Serious injury	156	222	379	132.6	74.7	91.4
Slight injury	655	689	1346	556.6	231.9	324.5
Killed/serious injury	212	370	583	142.1	84.7	101.2
All casualties	868	1059	1819	698.7	316.6	425.7

Results

Average cost of crashes

	Property damage	Admin.	Lost output	Medical	Human Costs	Total
Fatal	60,300	1,000	498,165	19,022	115,697	694,183
Grievous	58,500	1,000	18,989	26,754	21,049	126,291
Minor	41,400	1,000	1,923	2,147	9,294	55,763
Damage only	4,500	1,000				5,500

Results

Estimated National cost of road traffic crashes (Tk '000)

	Average cost	Number	Cost
Fatal	694.2	11,049	7,670,149
Grievous	126.3	102,136	12,898,842
Minor	55.8	311,890	17,392,068
All casualty crashes		425,075	37,961,058
Property damage	5.5	1,275,226	7,013,741
Total crashes		1,700,301	44,974,799

800 million US\$

Discussion

- Outstanding Findings
 - The national cost of road traffic crashes in Bangladesh has been estimated at Taka 45 billion (UK£ 535 million). This is approximately 3.4 times larger than the previous estimate.
- Strengths and Limitations
- Consistency of findings
- Policy implication

Acknowledgement References

Discussion Point

- Selection of Journal
- Preparation of Title pages
- Introduction
- Methods
- Organization of Results
- Discussions

Thank You