ROAD TRAFFIC FATALITIES AMONG CHILDREN IN GHANA

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OUTLINE OF PRESENTATION

- Introduction
 - Background
 - Objective
- Materials and Method
- Results & Discussion
- Conclusions & Recommendations

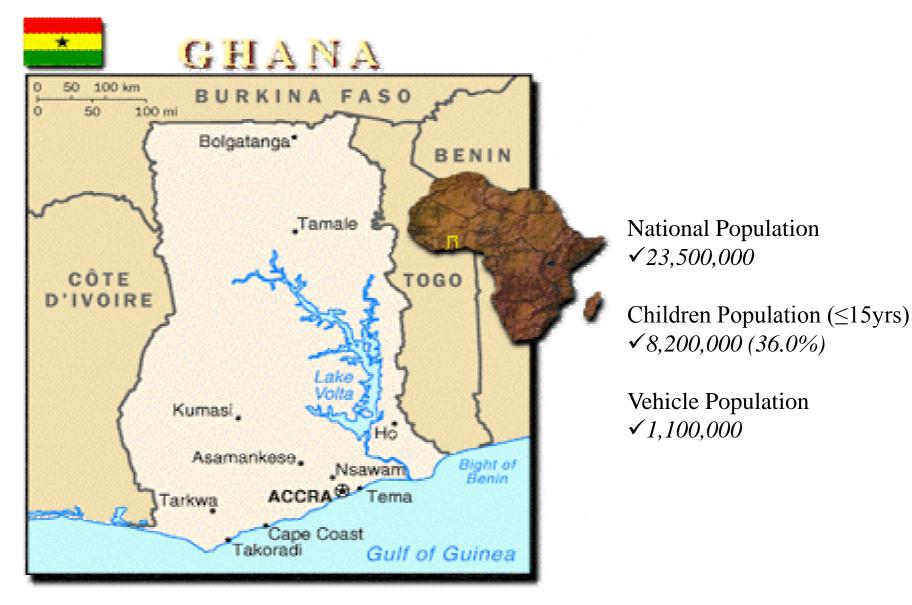


Figure 1: Map of Ghana

INTRODUCTION

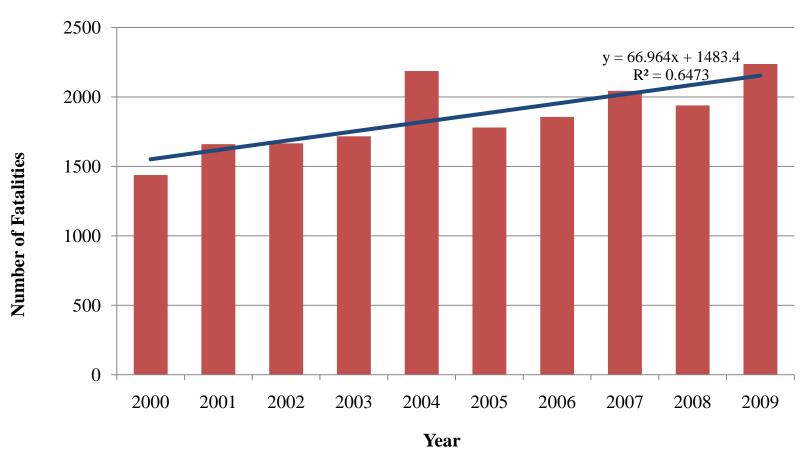


Figure 2: Road Traffic Crash Fatalities in Ghana (2000-2009)

INTRODUCTION CONT'D

- ♣ Average of 1,900 killed annually in the last three year period 2007-2009.
- ♣ Under-reporting i.e. under-recording and non-reporting not accounted for in the study.
- **♣** Cost of RTCs estimated to be 1.6% of GDP in Ghana.
- ♣ RTCs have been identified to be one of the leading causes of death in children in Ghana.

OBJECTIVES

The objectives of the study were to:

Lestablish the characteristics of fatal road traffic crashes involving children.

4Recommend measures to control them.

DEFINITIONS

♣ A child has been defined as any person age 0-15 years (inclusive).

♣ Fatality was defined as a road traffic crash victim who died within 30 days from the time of occurrence of the crash.

MATERIALS AND METHOD

Crash data for the period 2004-2008 in Ghana were obtained from Police reports compiled in the MAAP software developed by TRL, U.K.

♣ Recently published transport-related epidemiological and other studies provided additional data sources.

RESULTS

Over the five year period, 2004-2008:

No. of Fatal Crashes = 7,684

№No. Killed = 9,807

■Children killed = 1695 (17.3%)

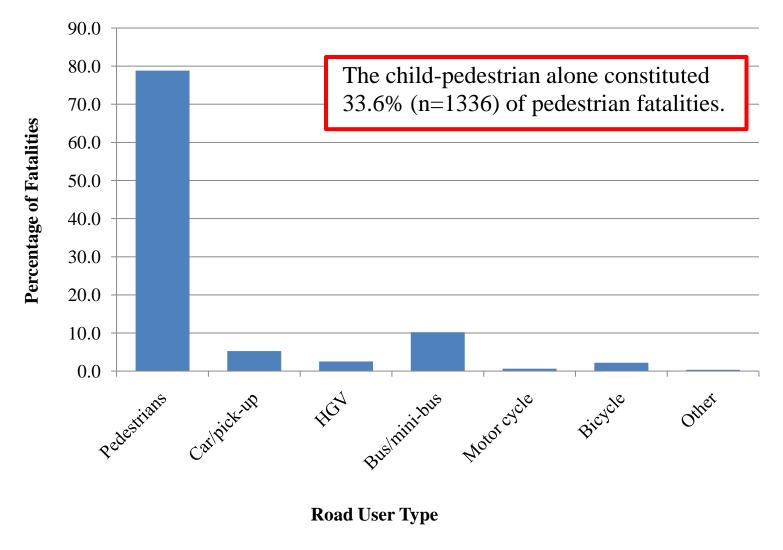


Figure 3: Distribution of Child Road Traffic Fatalities by Road User Type

Table 1: Ages of Children Killed in Road Traffic Crashes by Casualty Class

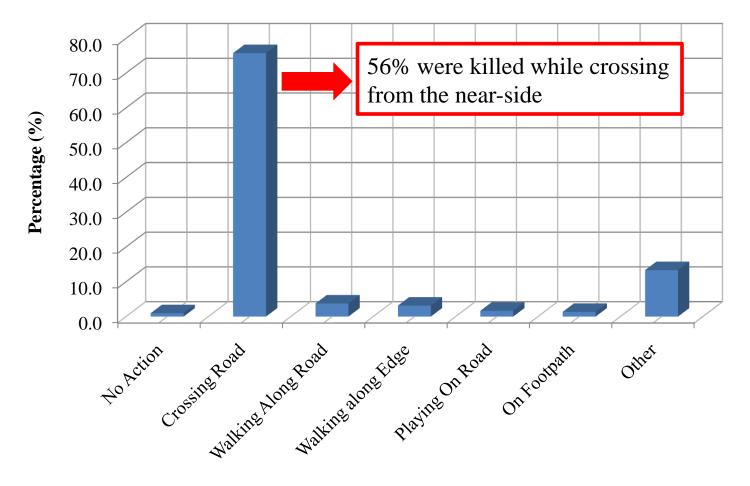
Age Group	Pedestrians		Passengers		All Fatalities	
	n	%	n	%	n	%
≤3	193	14.4	114	39.4	307	18.9
4-6	334	25.0	43	14.9	377	23.2
7-9	391	29.3	42	14.5	433	26.6
10-12	247	18.5	41	14.2	288	17.7
13-15	171	12.8	49	17.0	220	13.5
Total	1336	100.0	289	100.0	1625	100.0

Plate 1: A Child Sitting on the Lap of an Adult in a Mini-bus



Plate 2: A Child Sitting on the Lap of an Adult in the Front-seat of a Car





Pedestrian Action

Figure 4: Action of Pedestrian Child Fatalities

Plate 3: School children crossing a road unaccompanied by adult



Gender

- Boys -54%
- Girls 46%

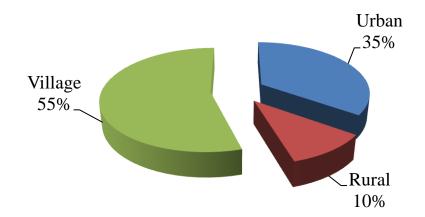


Figure 6: Proportion of Child Fatalities by Road Environment

Plate 4: A Road with no Pedestrian Facility



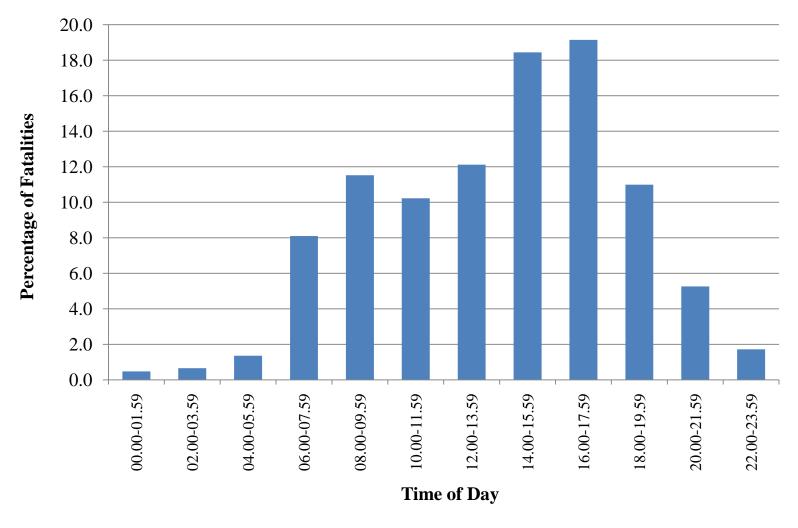


Figure 7: Distribution of Child Fatalities by Age Group

CONCLUSIONS

- A high number of children are at risk in traffic as pedestrians and are most likely to be killed on high speed roads in the non-urban setting.
- Safe crossing of road is a difficult task for children as majority of them get killed in this process.
- Infants (≤3 years old) bear a disproportionately high share of road traffic fatalities as passengers.

RECOMMENDATIONS

- Education on road safety for children must be directed at those
 living in village communities along the major highways.
- Road engineers and planners should re-design the village road sections to calm traffic and make conscious efforts to integrate safer pedestrian facilities in new and existing roads in Ghana.
- Parents should be educated on the safety benefits of child restraint seats and this must be accompanied by strict enforcement.

Plate 5: Speed hump in a built-up area to calm down traffic.



Plate 6: Demonstration of safe road crossing in a school programme



THANK YOU

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