

Understanding Road Trauma and Injury in Lira District, Northern Uganda



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INTRODUCTION

- Road traffic accidents are responsible for 1.19 million deaths annually, with more than 90% of these deaths occurring in middle to low income countries including Uganda.
- The number of fatal road crashes in Uganda has increased by 16.9% from 2021 to 2022, with a Kampala Road Safety Report 2023 indicating that motorcyclists accounted for 50% of road related deaths and pedestrians accounted for 43%.
- Despite the burden, there has been limited data collection on road infrastructure, policy, and safety behaviors in Uganda, especially outside of more urban cities like Kampala.
- To address this, this study assessed current road safety beliefs, behaviors, and infrastructure in Lira District, northern Uganda.

OBJECTIVES

- 1. To assess risk factors for road trauma and injury in Lira District, Uganda.
- 2. To assess community attitudes, knowledge, beliefs, and behaviors that influence road trauma and injury outcomes.

METHODS

Study Design: In partnership with local non-profit organizations, this study consisted of a mixed-methods community-based participatory research (CBPR) study conducted in Lira District, Uganda in July 2024.

Data Collection: Observation tools, survey tools, and key informant interviews assessed community knowledge, attitudes, and beliefs on road safety and infrastructure. Data was collected by trained Youth Public Health Ambassadors (YPHA).

Sample: Observations and survey tools were collected by convenience sampling methods. Key Informants were selected based on exposure to road traffic and included boda and bus drivers.







RESULTS

DRIVING BEHAVIORS DRIVER SAFETY



100% THINK IT'S IMPORTANT OR VERY IMPORTANT TO FOLLOW ROAD LAWS

100% THINK IT IS IMPORTANT OR VERY IMPORTANT TO USE PROTECTIVE MEASURES (I.E. HELMETS, SEATBELTS)

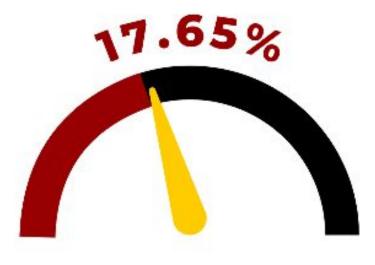


64.71% ALWAYS FOLLOW ROAD SIGNS



56.3% SOMETIMES WEAR A SAFETY VEST AT NIGHT

IN THE LAST 30 DAYS:



17.65% REPORTED
ALWAYS DRIVING
OVER THE SPEED LIMIT



52.94% SOMETIMES WEAR A HELMET

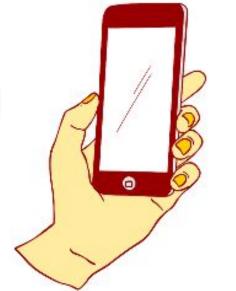


18.75% ALWAYS WEAR A SEATBELT 37.5% SOMETIMES WEAR A SEATBELT

24.9% SOMETIMES TALK ON A HAND-HELD MOBILE PHONE WHILE DRIVING

OVER THE SPEED LIMIT

41.18% REPORTED SOMETIMES DRIVING

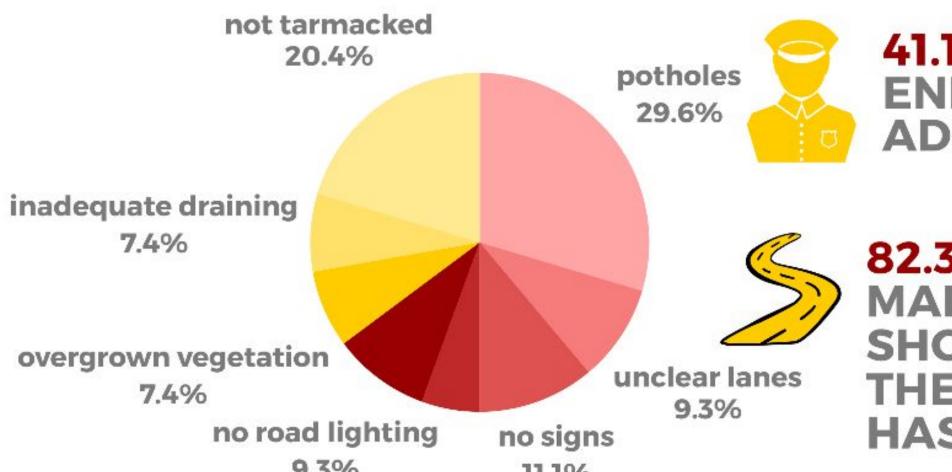


47.06% OF DRIVERS FEEL
UNSAFE ON THE ROAD
SOMETIMES
17.65% OF DRIVERS FEEL
UNSAFE ON THE ROAD MOST
OF THE TIME



70.59% HAVE A DRIVINGPERMIT

ROAD INFRASTRUCTURE



41.18% BELIEVE LAW
ENFORCEMENT
ADDRESS ISSUES

82.35% HAVE
MAINTENANCE THAT
SHOULD BE DONE ON
THEIR VEHICLE BUT
HASN'T

ARE NOT
SATISFIED WITH
THE UPKEEP OF
ROAD
INFRASTRUCTURE

75%

CONCLUSION AND IMPLICATIONS

- Results reveal significant gaps in services, road infrastructure, and safety behaviors highlighting a need for strengthened road safety services and interventions in Lira District, Uganda.
- Recommendations based on our findings include: enforcement of traffic laws and regulations focused on boda bodas, increased surveillance of speed, driving under the influence, and seatbelt use, and investments in improved road infrastructure (sidewalks, lane lines, potholes).
- Findings also emphasize the need for continued data collection on road safety behaviors, traffic accidents, and road infrastructure in LMICs and beyond.

ACKNOWLEDGMENTS

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