Comparison of Reporting Process and Databases for Road Traffic accidents in Sub-Saharan African and European Countries

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Background

Why data is important? -Supporting decision making.

- Accurate reporting of crashes and quality of crash databases are essential.
- Reporting and data collection processes can affect data quality.
- Accident database systems.
- Data collection –real-time vs non-real-time.
- Black spots and road impact safety management.

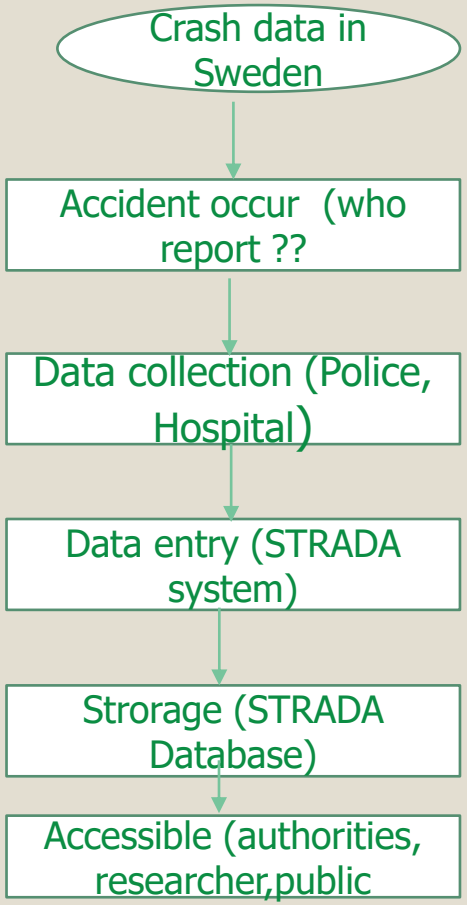
Aim

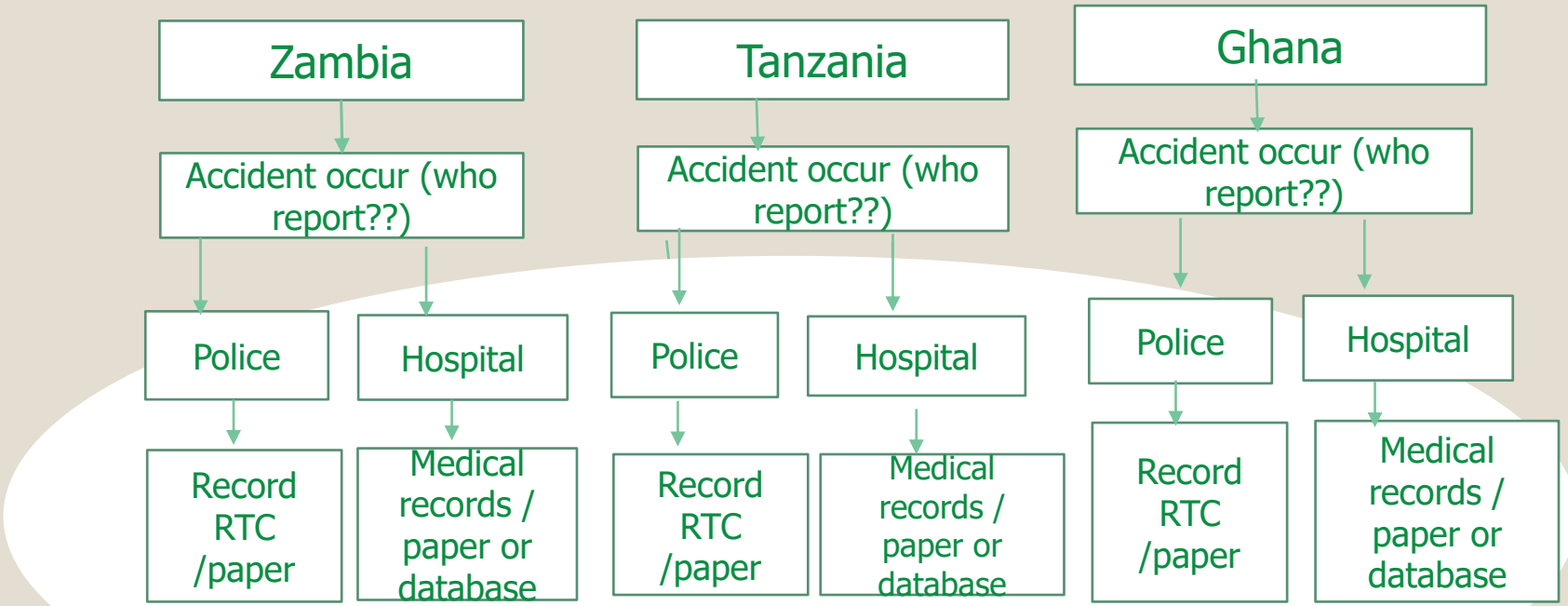
To compare accident reporting processes and crash databases among selected European and sub-Saharan African countries.

Methods

Qualitative review for crashes collection process and databases.

Crash data collection process





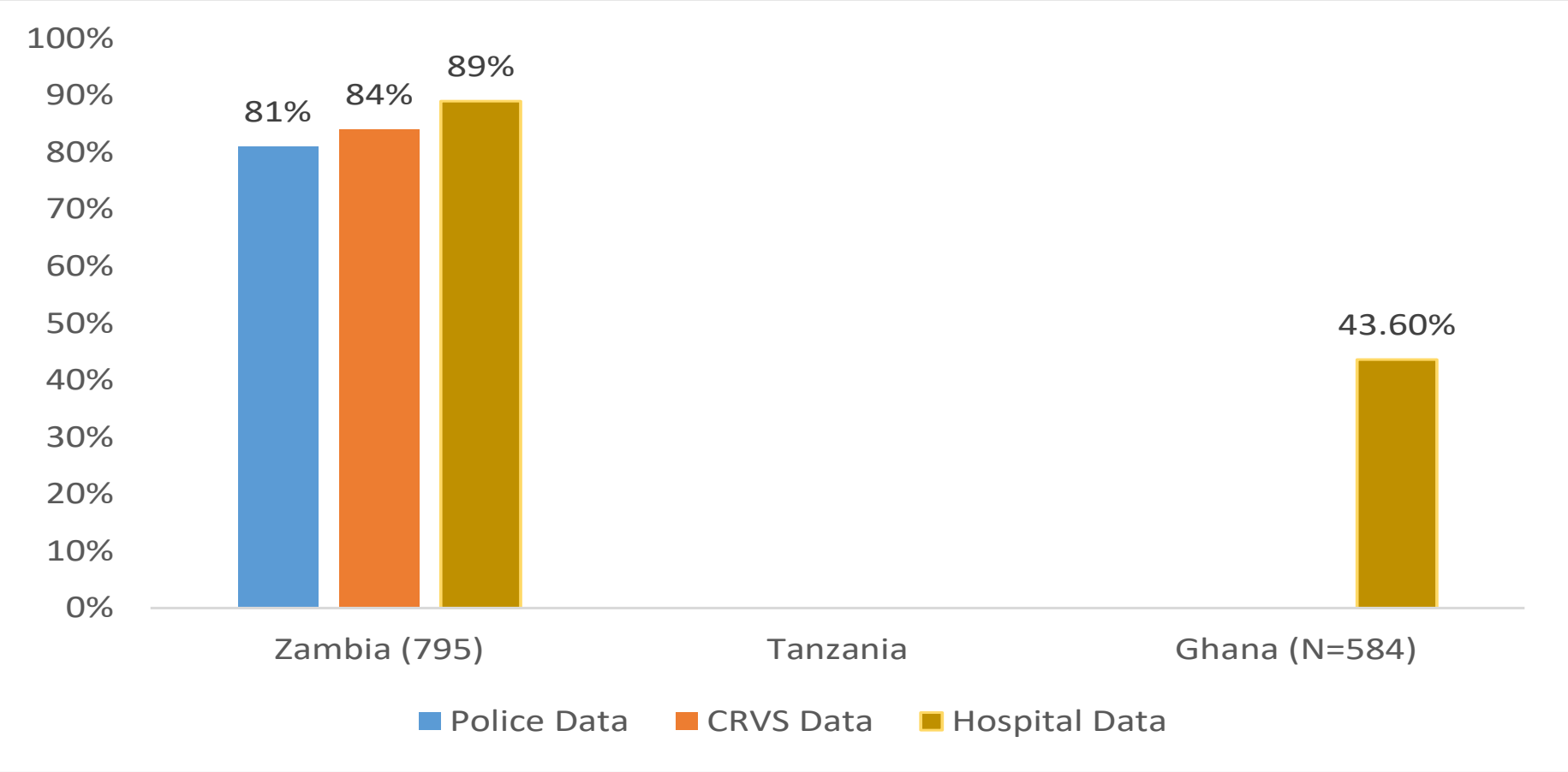
Variables.xlsx - Sheet1!A1

Results

- All the countries have crash reporting forms - similar variables but different classifications and definitions
- Difference in the classification of road infrastructure and no clear definition of injury severity.
- Information on single crashes missing (majority among VRUs).
- Investigation and reporting not efficient.
- No link between police accident and hospital databases.
- Data is *available* but not *accessible*.

Quality of data

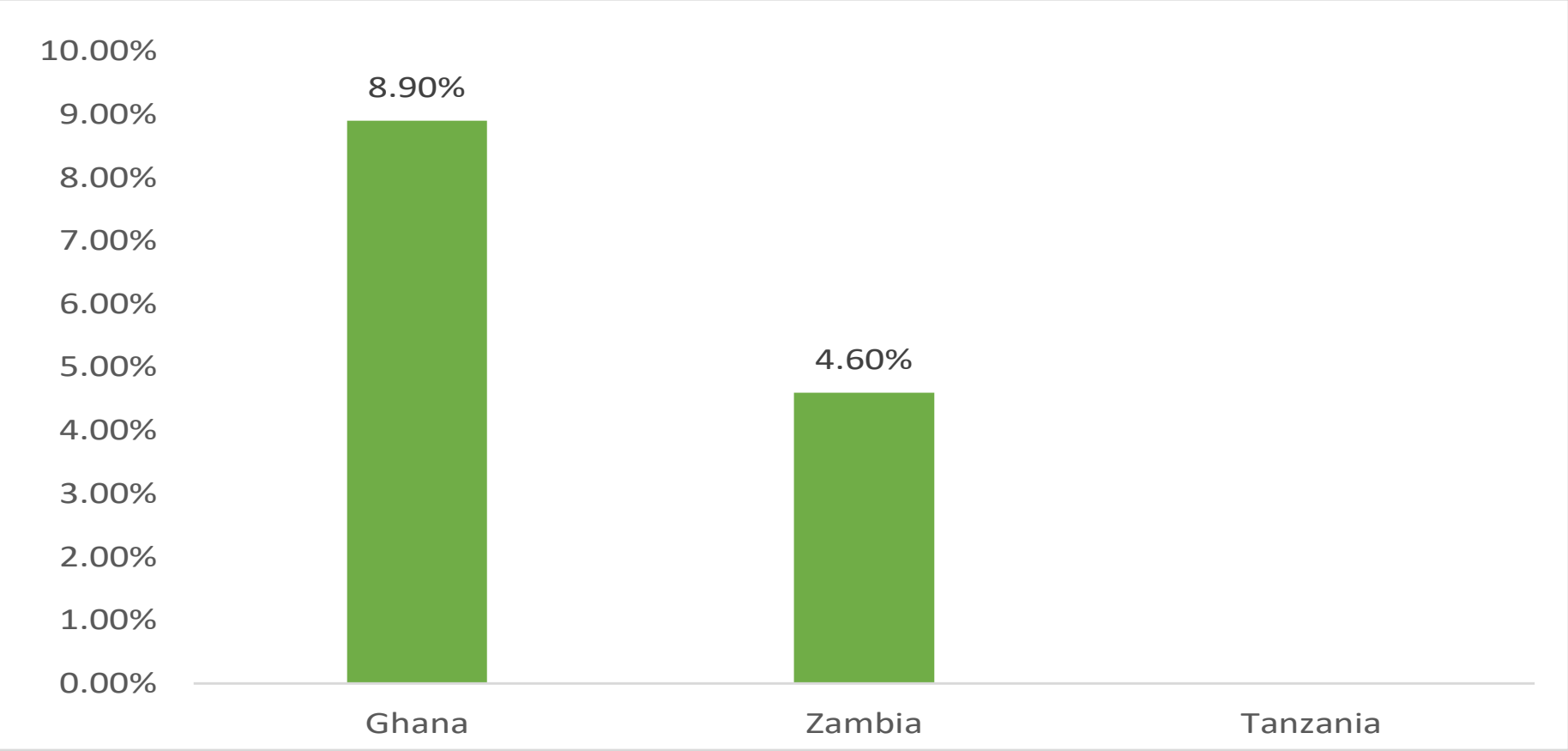
Incompleteness of mortality data



Data source Mwale *et .al* (2022) and Kumas road safety report 2022

Quality of data

Linkage of mortality crash data from hospital and police databases



Data source Mwale *et .al* (2022) and Kumas Road Safety Report 2022

Conclusion

- The crash reporting form in police is generally well-designed.
- Accident severity classification varies in all countries
- No link between police and hospital databases.
- Future research on assesment of completeness of police crash data and hospital data.

Asante sana!

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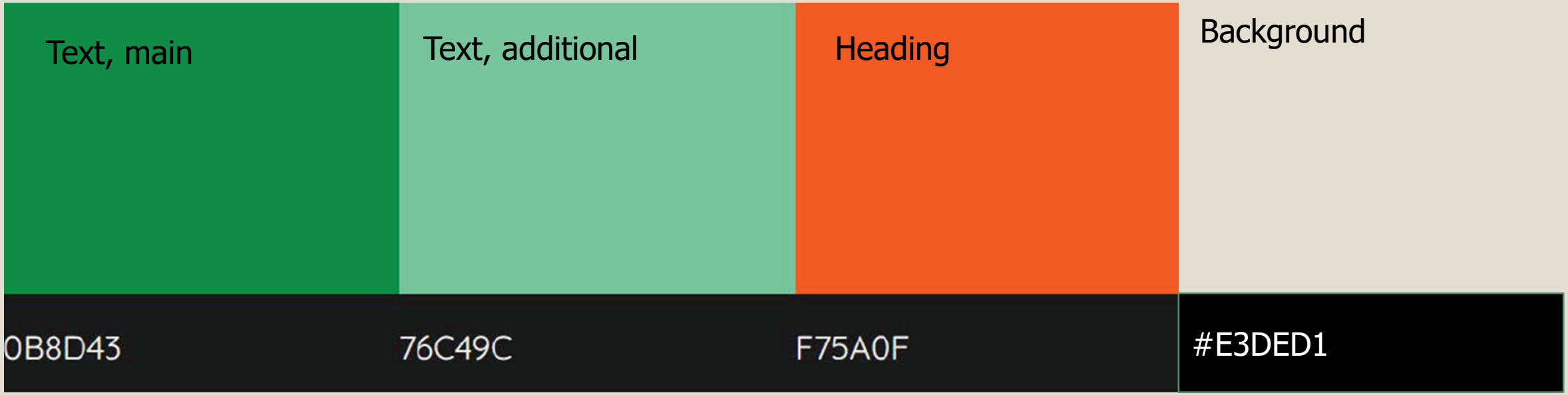
www.ictct.net/afrosafe

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