DRIVER – A World Bank Tool for crash data collection

SECOND WORKSHOP TOWARDS THE ESTABLISHMENT OF A ROAD SAFETY OBSERVATORY IN AFRICA
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Overview of talk

1. The Road Safety Challenge

2. DRIVER Program
   1. What is it
   2. Advantages
   3. Advantages for an African Road Safety Observatory
   4. What is required to use it

3. Example uses What it can do
Deaths per 100,000 people

For the 9 countries here, the average is 27.5
Pedestrians and Motorcycle deaths are more likely to be under-estimated
Priority: Road safety is a crisis - and urgently needs more funding and a real plan

- We will not meet the Decade and SDG targets
- In four years, annual deaths must drop by more than 600,000 from the 1.25 million baseline and injuries must drop by 25 million. But, deaths are increasing.
- We need to push harder now, and we need to change the game.

- Some brutal predictions (part of a position paper we are preparing):
  - 2013 = 1.24 million deaths
  - 2016 = 1.34 million deaths .... 2.7% increase per year
  - Simple extrapolation:
Extrapolating the current increase:
- For 2018 to 2030, inclusive =
  - 21.7 million deaths
  - 875.7 million injuries
- from road crashes globally
The DRIVER Platform: What is it

- DRIVER = Data for Road Incident Visualization, Evaluation, and Reporting
  - A crash data storage, mapping and analysis system
  - Web-based and open-source system for geo-spatially recording and analyzing road crashes
  - A way to link multiple agencies working with road crash data (local government units, transport, the police, and the health system)
  - A means to standardize terms and definitions for reporting crash data
  - A suite of analytical tools to support evidence-based investments and policies as well as eventually a platform for monitoring the impact of interventions
The DRIVER Platform: How does it work?

- A crash data storage, mapping and analysis system
- Uses google street maps
- DRIVER: developed and pilot tested by the World Bank in the Philippines (with thanks to Holly Krambeck and team)
- Can be adapted to many countries
- Has proven itself to be an effective viable road safety support solution
DRIVER: Advantages


2. Customizable data entry fields

3. Easy to deploy at limited cost due to its Open Source platform

4. Adaptable to almost all countries, states, and cities, through its use of Open Street Map as the mapping platform

5. Provides key tools for recording and managing road safety data, including analytical tools for blackspot prediction, estimating the economic costs of crashes for a selected area, and tracking efficacy of road safety interventions

6. A public-facing website and tools for downloading anonymized data for third-party analysis

7. The platform is likely to become more widespread as the World Bank and GRSF support its promotion into countries and cities.
DRIVER: Advantages for an African Observatory

1. Uniform data processes, even if not identical data fields
2. Cross country help with expertise and usage
3. Can share the public-facing website of selected downloaded anonymized data
4. Everyone has existing data systems of various levels of function, but this sets an equally shared process
DRIVER: What is required to use it

- Note the Flexibility =
- Customized data entry fields for each country (low cost work) [or an agreed dataset]
- Data entry (by existing or improved processes) into the system
- Opportunity to enter earlier data (with correction for omissions) or not.
DRIVER: What can it do
Going beyond Crash Data

- Uber-Grab based records of speeds based on GPS
Thank you for your attention

Discussion and Questions