

Mobile VA technological advances and ethical priorities

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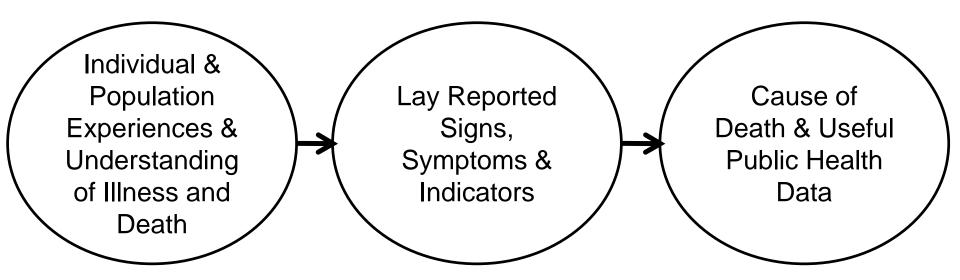






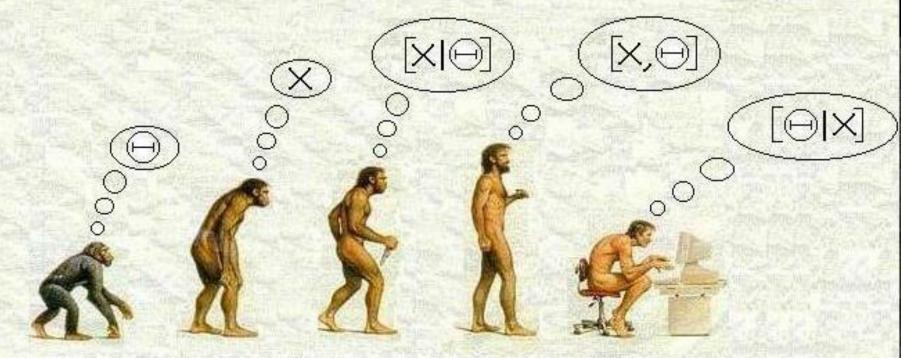








(YET ANOTHER) HISTORY OF LIFE AS WE KNOW IT ...



HONO HONO HONO HONO HONO APRIORIUS PRAGNATICUS FREQUENTISTUS SAPIENS BAYESIANIS



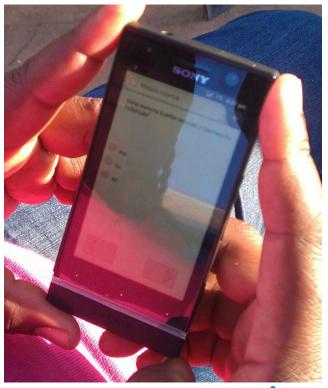
Automated methods perform as well as, and often better than physicians in determining cause of death from VA. They are also quicker, cheaper and more consistent.

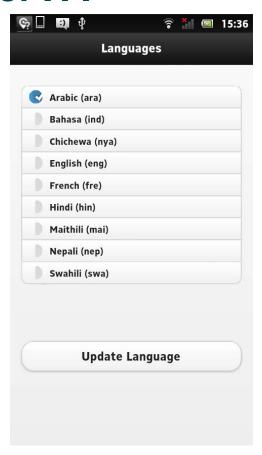


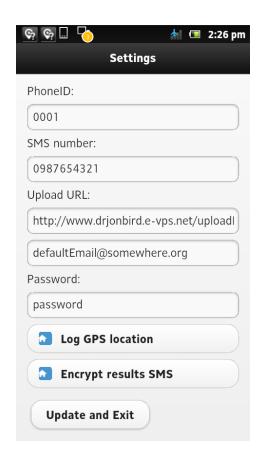




MIVA – Mobile InterVA











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OPEN DATA KIT







The Open History



General Description Accident/Assault Illness Pregnancy Maternal death Delivery Baby Condition General (> 2) (18-19) General (all) (20) General (<5) 20 Lifestyle Treatment

Death_ID:

Give the chronology of events that occurred during the illness period (or after the accident) leading to death. In case of special symptoms, ask the respondent to describe or mimic the symptom. Always specify the treatment received and the order in which events occurred.

The deceased experienced diarrhea and vomit after eating food. He was loosing power. He consulted a private nurse. He was examined and referred to hospital. He was examined and admitted for treatment. He was released from hospital given a letter to collect tablets at clinic. He visited clinic many times to collect tablets. After treatment diarrhea stopped but vomit continued. Afterwards experienced hot body and difficult breathing. Then taken to a traditional healer. Tratiditional medicine was given but no improvement. He developed swellings around jaws. His lips change colour into reddish. He complained about headache. He consulted clinic. He was examine and given treatment. Headache was on and off. Difficult breathing and headache became worse then he died.

King et al. BMC Medical Research Methodology (2016) 16:13 DOI 10.1186/s12874-016-0115-5 BMC Medical Research Methodology



Onen Access

The quality and diagnostic value of open narratives in verbal autopsy: a mixedmethods analysis of partnered interviews from Malawi CrossMark

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Abstract

Background: Verbal autopsy (VA), the process of interviewing a deceased's family or caregiver about signs and symptoms leading up to death, employs tools that ask a series of closed questions and can include an open narrative where respondents give an unprompted account of events preceding death. The extent to which an individual interviewer, who generally does not interpret the data, affects the quality of this data, and therefore the assigned cause of death, is poorly documented. We aimed to examine inter-interviewer reliability of open narrative and closed question data gathered during VA interviews.

Methods: During the introduction of VA data collection, as part of a larger study in Mchinji district, Malawi, we conducted partner interviews whereby two interviewers independently recorded open narrative and closed questions during the same interview. Closed questions were collected using a smartphone application (mobile-InterVA) and open narratives using pen and paper. We used mixed methods of analysis to evaluate





Ethical Issues



Privacy, consent, expectations, data use, regulation... Research vs. routine implementation?

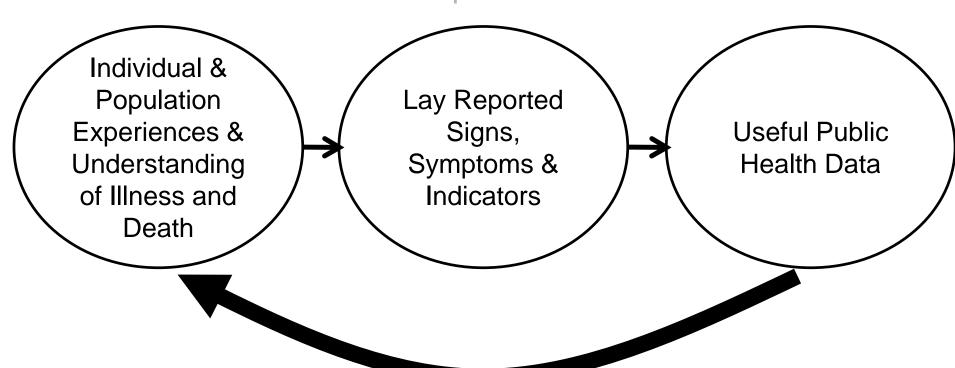


Ethical Issues



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Research vs. routine implementation?





Ethical Issues











Emotional distress

Varies by age

Repeated exposure to VA

Honour, shame & blame

Confidentiality?

Guilt & regret

Impact on data quality

Expectations of info., advice & service response

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Emerging Challenges

- Legal issues
- New contexts
- Security
 - Phone interviews?
- Co-ordination to avoid repeat interviews









Mobile VAs are...

Feasible

- The most likely solution to cost-effective scale-up
- A new opportunity for timely health service response and public health intervention

 Starting to happen...so key ethical and operational issues need urgent attention