Toward an Architecture for mHealth
Web Data Choreography

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Problem Statement

健康管理数据是大量存在的。

特别是在临床研究数据方面。

收集全球健康数据是具有挑战性的。

因其地理、行政、物流的挑战。

没有解决公共健康数据收集的共同解决方案。

我们需要解决这些问题的框架。
Survey Data Collection

- 13 countries, 10+ years, large-scale public health project.

- HIV-focused, cross-sectional, household-based, nationally representative survey of adults and adolescents age 15 and above, as well as children ages 0-14 years.

- Data collection consists of household interviews, individual interviews, and diagnostic testing.

- Questionnaire data are collected using Android-based tablets.

- Open Data Kit (ODK) as the primary survey mechanism.

- Diagnostic data collected via in-home and laboratory-based testing.
A Data Adaptation Module

- Orchestration: Data storage and cataloguing.
- Choreography: deidentification, encoding, supporting autonomy for local-optimal decisions
- Collection Layer: survey data and subsequent clinical results
Thank You!

Seeking BOTH feedback and research collaborators!

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