Data Management for Meeting Global Health Challenges

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1. INTRODUCTION

Organizations and health agencies working on meeting global health challenges are becoming increasingly data driven. Governments and donors are demanding rigorous and up-to-date assessment of patient needs and health service delivery. These organizations work in some of the most difficult data environments - dealing with limited infrastructure and human resources, inconsistent data quality and availability, not to mention significant data backlogs.

This panel combines perspectives from a range of active researchers and practitioners managing large-scale deployments, including: evaluating large-scale health policies and interventions, managing day-to-day clinical activities, and responding to remote outbreaks of disease.

Data challenges in global health intersect with many current topics in database research. Potential topics to be discussed include: trade-offs between data quality, latency and cost; dealing with heterogeneous data sources, privacy challenges, managing provenance and mobile data collection.

2. PARTICIPANTS

Our participants come from a range of backgrounds including industry, academia and development practitioners.

- *Kuang Chen* - Ph.D. Candidate, UC Berkeley

- *Lucky Gunasekara* - CIO, Global Viral Forecasting Initiative

- *Alon Halevy*, Head, Structured Data Group, Google Inc.

- *Andy Kanter*, Assistant Professor, Clinical Biomedical Informatics, Millennium Villages Project, Columbia University

- *Rowena Luk*, Senior Engineer, Dimagi Inc.

- *Peter Speyer*, Director of Data Development, Institute of Health Metrics and Evaluation, University of Washington