Reaching the “Hard-to-Reach” with Mobile Health Applications in Perú

Maria Brunette  
*University of Massachusetts - Lowell*

Benyuan Liu  
*University of Massachusetts - Lowell*

Bhanu Kaushik  
*University of Massachusetts - Lowell*

Follow this and additional works at: [https://escholarship.umassmed.edu/chr_symposium](https://escholarship.umassmed.edu/chr_symposium)

Part of the [Community Health and Preventive Medicine Commons](https://escholarship.umassmed.edu/hp_symposium), [Health Information Technology Commons](https://escholarship.umassmed.edu/hp_symposium), [International Public Health Commons](https://escholarship.umassmed.edu/hp_symposium), and the [Maternal and Child Health Commons](https://escholarship.umassmed.edu/hp_symposium).

This work is licensed under a [Creative Commons Attribution-Noncommercial-Share Alike 3.0 License](https://creativecommons.org/licenses/by-nc-sa/3.0/).

Repository Citation

Brunette, Maria; Liu, Benyuan; and Kaushik, Bhanu, "Reaching the “Hard-to-Reach” with Mobile Health Applications in Perú" (2013). *Community Engagement and Research Symposium*. 4.  
[https://escholarship.umassmed.edu/chr_symposium/2013/posters/4](https://escholarship.umassmed.edu/chr_symposium/2013/posters/4)  
[https://doi.org/10.13028/4qfe-2g47](https://doi.org/10.13028/4qfe-2g47).

This material is brought to you by eScholarship@UMMS. It has been accepted for inclusion in Community Engagement and Research Symposia by an authorized administrator of eScholarship@UMMS. For more information, please contact Lisa.Palmer@umassmed.edu.
PROJECT SUMMARY: Our work aims to advance our knowledge of the use of Information Technology (IT) in improving the health systems of vulnerable populations in Perú. Using the Community-Based Participatory Research (CBPR) approach we plan to design and develop a mobile health system to improve maternal and under-3 child health.

PROJECT OBJECTIVES
- Design, develop and evaluate a mobile health system to collect maternal health data using portable devices (Huancavelica)
- Design a mobile phone ‘alert’ system for mothers to attend the regular health appointments within their child’s first 3 years of life (Carabayllo)
- Establish and evaluate the role of CBPR in implementing a health IT project in a developing region
- Provide low-literacy mothers with culturally relevant health education via cell phone applications (Carabayllo)

WE ANTICIPATE GAINING KNOWLEDGE ABOUT THE SOCIO-TECHNICAL PROCESSES THAT WOULD IMPEDE OR FACILITATE EFFECTIVE SOLUTIONS WITHIN THE LARGER HEALTH IT ECOSYSTEM OF THE TWO IMPOVERISHED COMMUNITIES

NEXT STEPS...
- Complete mobile applications
- Pilot test in Huancavelica
- Evaluate CBPR process
- Submit a research proposal for a larger intervention

VISITING THE TWO COMMUNITIES AND ESTABLISHING PROJECT TEAMS (FIRST ROW: CARABAYLLO, SECOND ROW: HUANCAVELICA)

Acknowledgements: This project would not be possible without support from UMASS Lowell Office of the Provost for Research Seed Grant Program