

Call for participation in case study interviews

Health and Biomedical Informatics Centre
Melbourne Medical School
Faculty of Medicine, Dentistry, and Health Sciences



Project: Quality management of patient generated health data from wearables for clinical use

Associate Professor Kathleen Gray (Chief investigator) Email kgray@unimelb.edu.au

Associate Professor Ann Borda (Chief investigator) Email: aborda@unimelb.edu.au

Miss Robab Abdolkhani (Student investigator) Email: rabdolkhani@student.unimelb.edu.au

You are invited to express your interest in participating in a research project being conducted in the Health and Biomedical Informatics Centre of the University of Melbourne. The project is entitled: Quality management of patient-generated health data (PGHD) from wearables for clinical use. The researchers are Associate Professors Kathleen Gray & Ann Borda (Chief Investigators) and Miss Robab Abdolkhani (PhD Student Investigator) Email: rabdolkhani@student.unimelb.edu.au

Medical-grade and consumer-market wearable sensing devices (wearables), through which outpatients can generate health data while mobile, may assist in remote monitoring and continuous healthcare as well as empowering patients in their health management. In such cases, part of data flow occurs outside the clinical setting, under the patient's responsibility.

We are investigating aspects of the quality of data from such wearables as data flow from outside to inside clinical settings. Our research is based on internationally recognised health information management concepts that guide good practice in working with conventional patient data.

This project asks questions such as: What are healthcare professionals and health information professionals doing in practice, about ensuring that data from wearables are fit for use in clinical care? What opportunities and challenges around using these data are being encountered in clinical settings? What data quality considerations are emerging? What approaches are being taken to implement data quality management?

We are conducting case studies of healthcare organisations in which data from any type of medical-grade or consumer-market wearables are being used or considered for use as part of patient care. To take part, you must be working with such data, in or for such an organisation. You must be a healthcare professional (e.g. allied health, nursing, medicine) or a health information professional (e.g., chief information officer, health IT manager, health information manager). The healthcare organisation may require additional ethical approval for your participation; if so we will negotiate this for and with you.

If you choose to participate, you will be asked for confidential answers to open-ended interview questions posed by a researcher, about two aspects of your experiences in working with wearables data. First, you will be asked about how these data are handled by you and others; who does what with the data, where, when, etc. Then you will be asked what matters most to you about the quality of these data, as they flow from the patient to the clinic. Note that we do not require access to your patients or to actual patient data.

Optionally, may opt to be informed about taking part in further focus groups and implementing good practice guidelines that will follow our case studies.

Please contact Miss Robab Abdolkhani (E: rabdolkhani@student.unimelb.edu.au M: 0412231952) to express your interest in participating or for further information.

An attachment is available which gives examples and specifications of several types of wearables approved for use in clinical settings.