Call for Papers

MISQ Special Issue on

The Role of Information Systems and Analytics in Chronic Disease Prevention and Management

Special Issue Editors
Indranil Bardhan, University of Texas at Dallas
Hsinchun Chen, University of Arizona
Elena Karahanna, University of Georgia

Timeline
Extended abstract submission deadline May 1, 2017
Submission deadline August 1, 2017
Round 1 decisions November 1, 2017
Workshop (location TBD) January 15, 2018
Revisions due May 1, 2018
Round 2 decisions August 1, 2018

Objectives
Chronic diseases (such as diabetes, asthma, heart disease, lung disease, cancer, depression, stroke, hypertension, and Alzheimer’s) are responsible for seven of ten deaths each year, and treating people with chronic diseases accounts for 86% of health care costs. As healthcare experts, care providers and policy makers try to identify new ways to lower healthcare costs while improving care process and delivery, information systems and analytics can play a pivotal role in the effective prevention and proactive management of chronic diseases while lowering costs and improving patient outcomes.

Consistent with MISQ’s Trifecta Vision of impact, range, and speed, the special issue editors solicit submissions from a wide variety of research traditions, including behavioral, design, economics, and organizational perspectives, and methods to tackle significant problems related to the treatment of chronic diseases using information systems and analytics.

The editors welcome submissions that bring together research from several disciplines, including but not limited to information systems, medicine, public health, management, operations, psychology, accounting, economics, health informatics, computer science, and electrical engineering. We seek submissions whose focus and contribution is on the role of IS and analytics in addressing chronic disease management and prevention. Importantly, the research should leverage the distinctive characteristics of chronic disease prevention and management. Areas of interest include, but are not limited to, the following:

- Online patient communities for chronic diseases
- Support groups for caregivers of chronic disease patients
- Patient & physician engagement and how IT is changing the patient-physician relationship for chronic disease patients
- Role of mobile devices / wearables in wellness and chronic disease management
- Role of IS in patient data generation as it pertains to chronic disease identification, prevention, or management
- Telehealth applications to manage chronic disease
- Social media applications for chronic disease prevention and management
- Physician adoption and use of clinical decision support for chronic disease management
- New business models for tracking, monitoring, and analyzing sensor data related to the prevention and management of chronic diseases
- Precision medicine
- Risk analytics related to chronic diseases
- (Additional topics listed on the full CFP link)

Submission Requirements
All authors are required to submit an extended abstract of their paper (2-5 pages) by May 1, 2017. Extended abstracts should be submitted by sending a .pdf file of the abstract to MISQChronicDiseaseSI@gmail.com. The special issue editors will screen the abstracts for fit with the Special Issue. Papers should be submitted following the MISQ standard submission process through Manuscript Central (see http://misq.org/manuscripts/).

See the complete Call for Papers at https://ai.arizona.edu/news-article/misq-2017