CALL FOR PAPERS: SPECIAL ISSUE ON HEALTH ANALYTICS

A special issue of Health Care Management Science will be dedicated in publishing articles that focus on health analytics. In particular, we are seeking articles that show how massive databases can be analyzed to obtain insights for one patient. The following topics are of interest if the article focuses on methods:

(1) Conduct of comparative effectiveness studies in particular clarification of how observational data from electronic health records could be used to conduct matched case control studies. Recent comparative effectiveness studies have led to contradictory conclusions depending on timing of the data examined, the cohort selected and the definition of various terms. Articles that discuss these methodological issues are invited.

(2) Conduct of personalized analysis showing how databases could be analyzed to provide insights to one individual patient. The methods of analysis could include local statistical analysis including local analysis of variance, local logistic regression. We are particularly interested in case based reasoning and K-Nearest Neighbor analysis.

(3) Discovery of new information using linguistic and text analysis, including sentiment analysis. The paper should discuss methods of analysis and contrast the various methods.

(4) Dependent Bayesian probability analysis that examines context of data.

(5) Other technologies for analysis of large data including Hadoop and OWL and the comparative effectiveness of these approaches

(6) Report of use of large databases in analysis of health care outcomes including massive data exceeding half million patients or 10 million encounters

(7) Evaluation of surveillance systems including statistical process control tools for monitoring outbreaks of adverse outcomes. The emphasis is on systems that use large data and are in operation.

The guest editor for this special issue is Farrokh Alemi, Ph.D. at District of Columbia VA Medical Center.

Please submit your full papers for Health Care Management Science (HCMS) through http://www.editorialmanager.com/hcms/

Select the article type option for special issue from the drop down menu “SI: HEALTH ANALYTICS”
Estimated publication schedule is as follows:

Deadline for submissions: January 6, 2014; first review 4-weeks; revision 8 weeks; final review 3 weeks; final decision 1-week; on-line publication 4-6 weeks after final submission. Hard copy publication will follow in Volume 17, 2014.