



WHITE2016
 October 21-22 | Washington, DC
 Westin Georgetown, 2350 M St NW, Washington, DC 20037



ROBERT H. SMITH
 SCHOOL OF BUSINESS
CHIDS CENTER FOR HEALTH INFORMATION
 AND DECISION SYSTEMS



The 7th Annual Workshop on Health IT and Economics

October 21-22, 2016

Westin Georgetown, 2350 M St NW • Washington, DC 20037

Friday Oct 21, 2016

Time	Session
08:00 am - 08:30 am	Breakfast and Opening Remarks
08:30 am - 09:00 am	Policy Keynote – Lisa Simpson, AcademyHealth
09:00 am - 09:40 am	Data Analytics Panel
09:40 am - 10:00 am	Break
10:00 am - 10:30 am	Industry Keynote - Anil Jain, Explorys and Watson Health, IBM
10:30 am - 10:50 am	Break
10:50 am - 12:10 pm	Session 1 - How Health IT Affects Provider Behavior
12:15 pm - 01:15 pm	Lunch
12:45 pm - 01:15 pm	Academic Keynote – Richard Frank, Harvard Medical School
01:15 pm - 01:30 pm	Break
01:30 pm - 02:50 pm	Session 2 - Healthcare Quality Information
02:50 pm - 03:00 pm	AHRQ Research Priorities Briefing – Christine Dymek, AHRQ
03:00 pm - 03:15 pm	Break
3:15 pm - 04:00 pm	Health Innovation Panel
04:00pm - 05:00 pm	Research poster session and networking
05:30 pm - 08:00 pm	Reception

Saturday Oct 22, 2016

Time	Session
08:00 am - 09:00 am	Breakfast
09:00 am - 09:40 am	Research Round Table 1: Predictive Analytics
09:40 am - 10:20 am	Research Round Table 2: Online Provider Reputation and Competition
10:20 am - 10:40 am	Break
10:40 am - 12:00 pm	Session 3 – Machine Learning in Healthcare
12:00 pm - 01:20 pm	Awards Luncheon
01:20 pm - 02:00 pm	Research Round Table 3: Mobile Health
02:00 pm - 02:40 pm	Research Round Table 4: EHR and HIE
02:40 pm - 03:00 pm	Closing Remarks
03:00 pm	Adjourn

WHITE 2016 is supported in part by a grant from the United States Agency for Healthcare Research & Quality (AHRQ)

Program - Friday, October 21

8:00 - 8:30 Breakfast and Opening Remarks

8:30 - 9:00 Policy Keynote

Lisa Simpson, President and CEO, AcademyHealth

9:00 - 9:40 Data Analytics Panel

Moderator: **Jeffrey McCullough**, Associate Professor, University of Michigan

Panelists:

Joseph Toning, Medical Officer, Data Mining and Informatics Evaluation and Research Team, FDA

Spencer Jones, Director, Data Science, Tenet Healthcare

Marc Paradis, Vice President, Data Science University, Optum Labs

9:40 - 10:00 Break

10:00 - 10:30 Industry Keynote

Anil Jain, Senior Vice President & Chief Medical Officer, Explorys and Watson Health, IBM

10:30 - 10:50 Break

10:50 - 12:10 Session 1 - How Health IT Affects Provider Behavior

Session Chair: **Julia Adler-Milstein**, University of Michigan

Does Hospital Electronic Medical Record Adoption Lead To Upcoding or More Accurate Coding?

Jianjing Lin, Gautam Gowrisankaran, Keith Joiner

Tulane University, University of Arizona

Just What the Doctor Ordered? Physician Mobility and the Adoption of Electronic Health Records

Corey Angst, Brad Greenwood, Kartik Ganju

University of Notre Dame, Temple University, McGill University

Dynamics of Social Influence on New Employees' Use of Volitional IS: m-EHR Case in Hospital Setting

Sanghee Lim, Juntae Kim, Byungtae Lee, Jongwon Lee

Johns Hopkins University, KAIST, Asan Medical Center

Does Usage of Patient Portals improve Health Outcomes? An exploratory study

Chenzhang Bao, Harpreet Singh, Indranil Bardhan, Bruce Meyer, Kirk Kirksey

The University of Texas at Dallas, University of Texas at Southwestern Medical Center, Dallas

12:15 - 1:15 Lunch

12:45 - 1:15

Academic Keynote

Richard G. Frank, Margaret T. Morris Professor of Health Economics, Department of Health Care Policy, Harvard Medical School

1:15 - 1:30

Break

1:30 - 2:50

Session 2 - Healthcare Quality Information

Session Chair: **Gilbert Gimm**, George Mason University

Awareness and Use of Comparative Provider Quality Information (Aka “Report Cards”) Among the Chronically Ill: Impact of Regional Dissemination and Media Coverage

Neeraj Bhandari, Dennis P. Scanlon, Yunfeng Shi
University of Nevada, Las Vegas, Penn State University

The Effect of Online Reviews on Physician Demand: A Structural Model of Patient Choice

Yuqian Xu, Mor Armony, Anindya Ghose
New York University

Entry Regulation and the Effect of Public Reporting: Evidence from Home Health Compare

Bingxiao Wu, Jeah Kyoungrae Jung, Hyunjee Kim, Daniel Polsky
Rutgers University, Penn State University, Oregon Health & Sciences University, University of Pennsylvania

Watch Where You Eat: On the Use of EWOM in Identifying Moral Hazard in New York City Restaurant Hygiene Inspections

Anand Gopal, Jorge Mejia, Shawn Mankad
University of Maryland, Indiana University, Cornell University

2:50 - 3:00

AHRQ Research Priorities Briefing

Christine Dymek, Director, Health IT Division, AHRQ

3:00 - 3:15

Break

3:15 - 4:00

Health Innovation Panel

Moderator: **Kenyon Crowley**, Deputy Director, Center for Health Information & Decision Systems

Panelists:

Anuj Desai, Vice President of Market Development, New York eHealth Collaborative (NYeC)

Pete Celano, Director of Consumer Health Initiatives, MedStar Institute for Innovation

Jennifer Hankin, Chief of Staff, StartUp Health

4:00 - 5:00

Research Poster Session and Networking

Using Health Information Exchange in the Emergency Department: A Trade-off of Volume and Duration

Lior Fink, Liran Politi, Shlomi Codish, Iftach Sagy

Ben-Gurion University of the Negev, Soroka University Medical Center

Variation in EHR Documentation across Primary Care Providers

Genna R. Cohen, Charles P. Friedman, Andrew Ryan, Julia Adler-Milstein

University of Michigan

U.S. Hospitals Engagement in Core Domains of Interoperability

A Jay Holmgren, Vaishali Patel, Dustin Charles, Julia Adler-Milstein

University of Michigan, Office of the National Coordinator for Health Information Technology

Measuring the Impact of Recent Industry and Regulatory Efforts to Increase Automation of Routine Healthcare Administrative Transactions

Raynard Washington

CAQH

The Role of Health IT in Designing Clinical Practice Guideline Under Litigation Concern

Yeong In Kim, Mehmet U.S. Ayvaci, Srinivasan Raghunathan, Turgay Ayer

The University of Texas at Dallas

Do Health Information Exchanges Deter Repetition of Medical Services?

Saeede Eftekhari, Niam Yaraghi, Ranjit Singh, Ram Gopal, R. Ramesh

University of Buffalo SUNY, Brookings Institution, University of Connecticut

Caregivers' Intention to Adopt Mobile Health Applications: Protection Motivation Theory Perspective

Fereshteh Ghahramani, Jingguo Wang

University of Texas at Arlington

Forecasting Adoption of EMR Capabilities

Claudia Patricia González, Eric Ford, Timothy R. Huerta

University of Washington, Johns Hopkins University, Ohio State University

Impact of Health Apps' Functionality, Appeal and Effectiveness on Evaluation

Yazan Alnsour, Bidyut Hazarika, Jiban Khuntia

University of Illinois, Western Michigan University, University of Colorado

Public Actor Roles in Network Formation and Management in eHealth Markets

Nicola Mountford

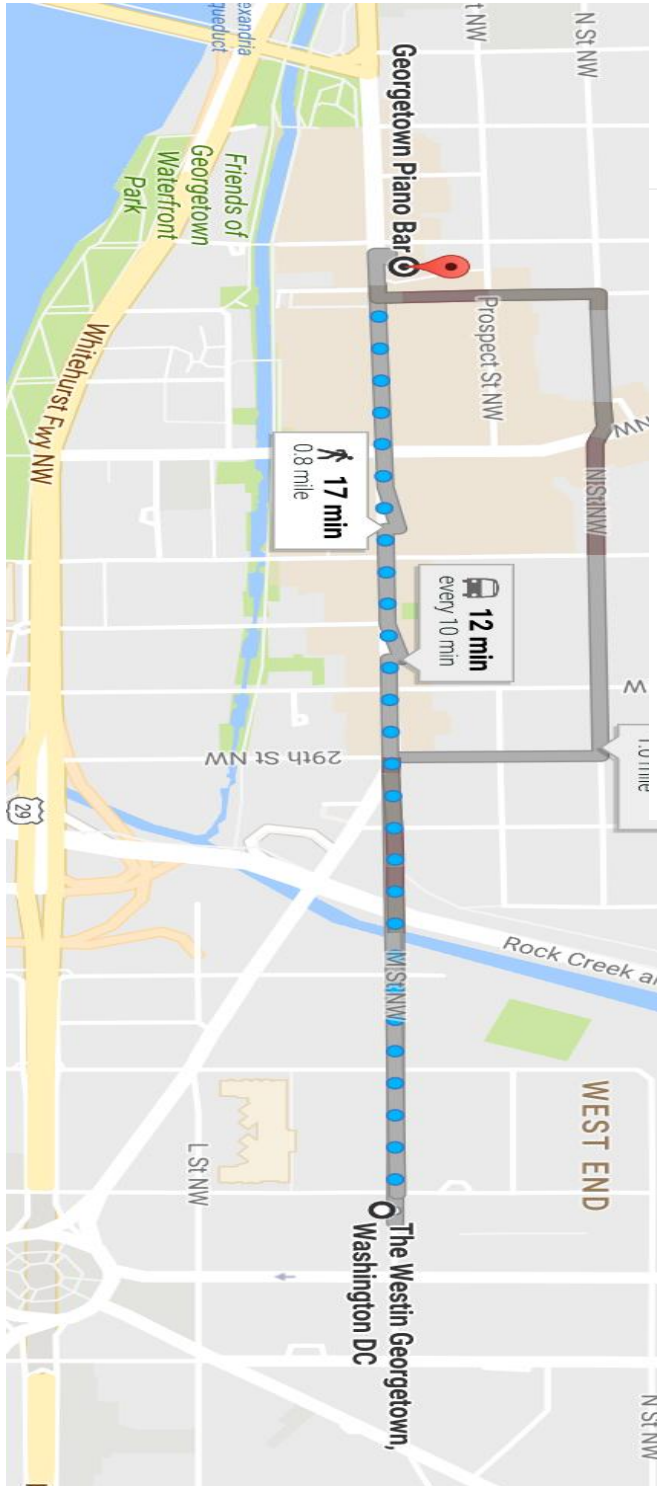
University of California at Davis

5:00 - 8:00

Reception

Georgetown Piano Bar

3287 M Street Northwest, Washington, DC 20007



17 min (0.8 mile)

via M St NW

Use caution - may involve errors or sections not suited for walking

The Westin Georgetown, Washington D.C.

2350 M Street Northwest, Washington, DC 20037

↑ Head north toward M St NW

36 ft

← Turn left onto M St NW

0.8 mi

Georgetown Piano Bar

3287 M Street Northwest, Washington, DC 20007

Program - Saturday, October 22

8:00 - 9:00

Breakfast

9:00 - 9:40

Research Round Table 1: Predictive Analytics

Moderator: **Haijing Hao**, University of Massachusetts Boston

Why Healthcare Should Stop Worrying and Learn to Love the Machine: Predicting Inpatient Admissions from Emergency Department Data

Idris Adjerid, Sriram Somanchi, Ralph Gross

University of Notre Dame, Carnegie Mellon University, Disruptive Robotics LLC

Embedding Cost Information with Data-Driven Clinical Pathways for Chronic Care Delivery

Yiye Zhang, Rema Padman

Weill Cornell Medicine, Cornell University; Carnegie Mellon University

Using Machine Learning to Analyze Fraudulent Reviews

Aishwarya Shukla, Weiguang Wang, Gordon Gao, Ritu Agarwal

University of Maryland

Walking the Tightrope: Balancing Patient Engagement, Service Quality, and Hospital Efficiency with Health IT

Nirup M Menon, Rajiv Kohli

George Mason University, William and Mary College

9:40 - 10:20

Research Round Table 2: Online Provider Reputation and Competition

Moderator: **Gordon Gao**, University of Maryland

Factors Determining Patients' Online Ratings for General Practitioners – An Exploratory Study

Heiko Gewald

Neu-Ulm University of Applied Sciences

Do Patients Provide Quality Advice in Online Health Social Networks? An Analysis of Diabetes Related Threads

Srikanth Venkatesan, Wencui Han, Raj Sharman, Amarinder Singh Chadha, Harshitha Shastri, Ranjit Singh

University of Buffalo SUNY

Catching Them Red-Handed: Optimizing the Nursing Homes' Rating System

Xu Han, Niam Yaraghi, Ram Gopal

University of Connecticut, Brookings Institute

Market Concentration of Online Physician Consultation

Jia Li, Bin Gu

East China University of Science and Technology, Arizona State University

10:20 - 10:40 Break

10:40 - 12:00 Session 3 - Machine Learning in Healthcare

Session Chair: **Ravi Aron**, Johns Hopkins University

Healthcare Predictive Analytics for Patient Time Series with Non-ignorable Missingness: The Case of Early ICU Mortality Prediction

Mohammad Amin Morid, Olivia R. Liu Sheng, Samir Abdelrahman
University of Utah

Classification In The Presence Of Anchoring Bias: A Model and an Application to Breast Cancer Diagnosis

Mehmet U. S. Ayvaci, Srinivasan Raghunathan, Mehmet E Ahsen
University of Texas at Dallas

Detecting Anomalous Patterns of Care using Health Insurance Claims

Sriram Somanchi, Edward McFowland III, Daniel B. Neil
University of Notre Dame, University of Minnesota, Carnegie Mellon University

Using Machine Learning to Measure Hospital Quality with Endogenous Selection and Heterogeneous Treatment Effects

Jeffrey S. McCullough, Tsan-Yao Huang
University of Michigan, University of Minnesota

12:00 - 1:20 Awards Luncheon

1:20 - 2:00 Research Round Table 3: Mobile Health

Moderator: **Zia Hydari**, University of Pittsburgh

Personal Goals, Social Comparison, and Health Outcomes in the Age of the Quantified Self

Idris Adjerid
University of Notre Dame

Incentives in a Real-World Decision Aid for Promoting Physical Activity

De Liu, Yash Babar, Shawn Curley, Zhihong Ke, Zach Sheffler
University of Minnesota

Smart Card Adoption in Healthcare: An Experimental Survey Design Using Message Framing

Pamella Howell, Mohamed Abdelhamid, Raj Sharman, Sanjukta Smith
University of Buffalo SUNY

Readying Commercial Wearables for the Next Generation of Health Care: Recommendations for Changing Market Dynamics and Technological Advancement

Catherine Stapleton, Karn Randhawa
University of Maryland, Precipio Health Strategies

2:00 - 2:40

Research Round Table 4: EHR and HIE

Moderator: **Hilal Atasoy**, Temple University

Investing in Post-Acute Care Transitions: Electronic Information Exchange between Hospitals and Long-term Care Facilities

Dori A. Cross, Julia Adler-Milstein
University of Michigan

Assessing the Relationship between Certified EHRs and Hospital Performance on Stage 2 Meaningful Use: Are All Certified EHRs Created Equal?

A Jay Holmgren, Julia Adler-Milstein, Jeffrey S. McCullough
University of Michigan

Does Meaningful Use Of Electronic Health Record Systems Improve Patient Experience?

Yunfeng Shi, Verónica Fuentes Cáceres, Joel E. Segel, Guodong Liu, Naleef Fareed, Wei-Fan Chen
Pennsylvania State University

Addressing the IT Functionality Gap in Healthcare: The Role of Lightweight Apps

Idris Adjerid, Corey Angst, Ralph Gross
University of Notre Dame, Carnegie Mellon University, Disruptive Robotics LLC

2:40 - 3:00

Closing Remarks

3:00

Adjourn