



# Keynotes & Speakers Lookbook



September 27 – October 1, 2015

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## Jay Bhatt, M.D., MPH

- Chief Health Officer  
***Illinois Hospital Association***



# Jay Bhatt Bio

- Jay Bhatt serves as the first Chief Health Officer at the Illinois Hospital Association. In this role he helps the 200 hospitals and 50 health systems transform, achieve the triple aim, and be positioned to succeed in this era of reform. Most recently, he was Managing Deputy Commissioner and Chief Innovation Officer for the Chicago Department of Public Health (CDPH). There he lead the implementation of innovations in cross-sector partnerships, predictive analytics, chronic disease and informatics earning numerous national recognition. He also is a practicing internal medicine physician for Erie Family Health Center in Chicago serving vulnerable populations and is a member of the Feinberg School of Medicine at Northwestern faculty.
- In 2006-07 he served as the National President of the American Medical Student Association (AMSA) where he led advocacy efforts around the National Health Service Corps. Dr. Bhatt led the development of the AMSA PharmFree Scorecard in 2007 helping change the culture of conflict of interest in academic medical centers.
- He graduated from the University of Chicago in 1999 with a degree in Economics. In 2008, Dr. Bhatt received both his medical degree from the PCOM, and his Master in Public Health degree from the University of Illinois at Chicago School of Public Health. In 2012 he received his Masters in Public Administration from the Harvard Kennedy School of Government as a Zuckerman Leadership Fellow and Mongan Commonwealth Fund/Harvard Minority Health Policy Fellow.

## Jay Bhatt Keynote

### ○ Predictive Analytics A Unicorn for Health Transformation?

- From hand hygiene to polio to diabetes, the most effective public health interventions are typically preventative policies that help stop a crisis before it starts. But, predicting the next health crisis has historically been a challenge, and most interventions that are reactive rather than proactive. Thanks to predictive analytics, we are piloting new ways to predict population health challenges before they occur so that we can intervene to stop the challenges or take steps to reduce the impact.
- Predictive analytics can be used to leverage seemingly unrelated data to predict who is most susceptible to birth complications or chronic diseases or where and when a virulent outbreak is most likely to occur. With this information, data becomes actionable. Predictive analytics has the potential to transform both care delivery, intervention deployment, and how resources are allocated, thereby improving and transforming health. Harvard researchers showed Twitter could be used to understand the lives of those suffering from insomnia. Imagine using Twitter, air quality data, and claims data to predict the flow of asthma sufferers to the Emergency Department.
- In this session, you will begin to understand how predictive analytics can help our nation achieve the threefold aim of changing public health policy, systems, and environments for the benefit of all.

## Michael F. Dulin, M.D., Ph.D.

- Chief Clinical Officer for Analytics and Outcomes Research, ***Dickson Advanced Analytics Group, Carolinas HealthCare System***



# Michael F. Dulin Bio

- I currently serve as the Chief Clinical Officer for Analytics and Outcomes Research as well as the Medical Director of Research at Carolinas HealthCare Systems (CHS, one of the largest non-profit health systems in the US). I completed my BS in Electrical and Biomedical Engineering and worked briefly as a quality engineer for Advanced Micro Devices. I subsequently completed a PhD in Neurophysiology studying the basic mechanisms of learning and memory. I then received my MD and completed residency training in Family Medicine. I have undergone additional training in health services research and comparative effectiveness research methods through a Robert Wood Johnson Foundation Career Development Award as well as fellowship training at UNC-Chapel Hill. I founded and direct the one of the largest primary care research networks in the region – the Mecklenburg Area Partnership for Primary Care Research (MAPPR). I served as the Chair of the Department of Family Medicine at CHS where I implemented a large scale medical home implementation using Lean process enhancement methods resulting in NCQA level 3 recognition. Most recently, I have overseen the deployment of a centralized analytics team for Carolinas HealthCare System that now includes over 120 statisticians, data scientists, research nurses, and health services researchers. My research interests include: enhancing primary care access and quality for vulnerable populations; community-based participatory research (CBPR); comparative effectiveness research/implementation science; geographic information systems (GIS); preventative medicine; and chronic disease management.



Carolinas HealthCare System

## Michael F. Dulin Keynote

### ○ Turning Big Data Into Better Care

- Dr. Dulin is the Chief Clinical Officer for Analytics and Outcomes Research at Carolinas Healthcare System in Charlotte, NC where he has helped to create a team of over 130 team members dedicated to using data/analytics to continuously transform care delivery and turn data into actionable information at the point of care. The objectives for this presentation will include: (1) describing how to implement a health analytics function within a healthcare provider / integrated health system; (2) describe the application of data/analytics to drive population health and predict utilization; (3) describe the application of predictive models to impact acute care readmissions; and (4) the application of data and health IT to improve asthma management.
- The discussion will include the need to move data/analytics competency within healthcare from the current state (massive investments in EMR systems; rapidly increasing amounts of data; and minimal ability to use data to improve healthcare delivery at population or individual level) to a future state (integrated healthcare data across the continuum, data governance allows patients to control their data, and data is used to Identify Best Practices, Drive Population Health, and Personalize Healthcare delivery.

## Deborah Estrin, Ph.D.

- Professor, Computer Science, **Cornell Tech**; Professor, Healthcare Policy, **Weill Cornell Medical College**; co-founder, **Open mHealth**





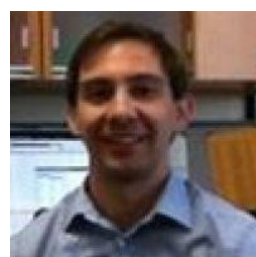
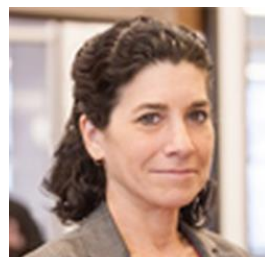
# Deborah Estrin Bio

- Deborah Estrin is a Professor of Computer Science at Cornell Tech in New York City and a Professor of Public Health at Weill Cornell Medical College. She is founder of the Health Tech Hub and directs the Small Data Lab at Cornell Tech. Estrin is also co-founder of the non-profit startup, Open mHealth. Her current focus is on mobile health and small data, leveraging the pervasiveness of mobile devices and digital interactions for health and life management (TEDMED).
- Previously, Estrin was on the UCLA faculty where she was the Founding Director of the NSF Center for Embedded Networked Sensing (CENS), pioneering the development of mobile and wireless systems to collect and analyze real time data about the physical world. Her honors include: ACM Athena Lecture (2006), Anita Borg Institute's Women of Vision Award for Innovation (2007), The American Academy of Arts and Sciences (2007), and The National Academy of Engineering (2009).

## Deborah Estrin Keynote

- **Small Data, Big Impact: Using Small Data to Fuel, Personalize, Sustain and Study Health Behavior**
- Consider a new kind of cloud-based app that would create a picture of an individual's life over time by continuously, securely, and privately analyzing the digital traces they generate 24x7. The social networks, search engines, mobile operators, online games, and e-commerce sites that they access every hour of most every day extensively use these digital traces to tailor service offerings, improve system performance, and target advertisements. These diverse and messy, but highly personalized, data can be analyzed to draw powerful inferences about an individual, and for that individual. Use of applications that are fueled by these traces could enhance, and even transform, our experiences as patients, family members, and caregivers. This talk will discuss precedents for small data in mobile health, and the opportunities and challenges of broadening the scope of small data capture, storage, and use.

# Speakers





- Be part of Predictive Analytics World for Healthcare
- Boston – Seaport World Trade Center
- Sept. 27 – Oct. 1, 2015

## Register:

[www.pawcon.com/health/register.php](http://www.pawcon.com/health/register.php)

