



# I-PrACTISE

Improving PrimARy Care Through  
Industrial and Systems Engineering

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## SPRING 2015 NEWSLETTER

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### 2015 I-PrACTISE Conference

The 2015 I-PrACTISE Conference was attended by 75 participants, with a total of 34 registrants coming from the University of WI, and the other 41 from other Universities as well as private sector clinicians, patient and technology representatives, and policy makers. There were 23 experts in Primary Care, 16 experts in Engineering and the remainder from other related disciplines including psychology, nursing, (cont'd page 2)

### From the Director:

We had another excellent I-PrACTISE conference this past April in Madison. Our theme was “Bringing Science to Policy and Practice”.

The plenary sessions started with some outlines of the problems in financing and practice in Primary Care by insurers and our CMS Quality Improvement Organization, Metastar. We then moved to a discussion of the integration of patient-generated data into the EHR. Later that day we had representatives of patients discussing such divergent topics as architecture and patient engagement for quality improvement. That evening had the Karsh Lecture by Joy Rivera, PhD. The second day featured “EBM2 – a new model for evidence-based

## Transitions: Andrew Quanbeck, PhD

Andrew Quanbeck, PhD has been granted a career development award from the National Institutes of Health. Dr. Quanbeck received a PhD in Industrial & Systems Engineering from the University of Wisconsin in 2012. The K01 Mentored Research Scientist Award (provided through the National Institute on Drug Abuse) provides protected time for Dr. Quanbeck to focus his energy on building a research career in implementation science, a field that has emerged largely in response to statistics indicating that less than 15 percent of the evidence-based practices developed through research are actually adopted in healthcare-- and it takes 17 years, on average, for that to happen.



“Those statistics really strike people every time you mention them,” says Dr. Quanbeck, a research scientist at the UW-Madison’s [Center for Health Enhancement Systems Studies](#). Quanbeck will spend the next five years studying those statistics and trying to find ways to improve them. His research will develop a decision-making model for evidence-based practice adoption, and test it among various stakeholder groups to understand how stakeholders’ potentially divergent interests factor in their adoption decisions. Dr. [David Gustafson](#), a member of the National Institutes of Health’s study section on Dissemination and Implementation Research in Health, will lead a multi-disciplinary team of faculty members from across the [UW-Madison](#) campus in mentoring Dr. Quanbeck over the course of his career award. The role of the mentoring team is essential in this award, says Quanbeck. “I am excited to have the support of an esteemed group of researchers on my mentoring team, and deeply grateful that they will be sharing their tremendous experience in helping me launch my own research career.”

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## 2015 I-PrACTISE Conference Cont’d.

pharmacy, administration and medical informatics. In all the conference opened with plenary talks addressing policy issues which arose as a future issue in the 2014 conference to be addressed. First talk by Tim Bartholow, MD, Chief Medical Officer from the Wisconsin Education Association Trust spoke on *“Does Health Care get Better if we Don’t Buy Better (Wiser)”* and then Greg Simmons, MA, CEO/ President, MetaStar followed with *“From Volume to Value, Restructuring of American Medicine”*. Jenna Marquard, PhD, Associate Professor of the University of MA then spoke on *“Integrating Patient-Generated Data into the EHR: Primary Care Clinician and Patient Perspectives.”*

The start of eight of the 15 minute Podium Presentations followed these talks, but this year none were held concurrently. Participants were pleased to attend every presentation, which continued into the afternoon. This format allowed primary care and engineering researchers as well as other fields to present a “nutshell” of their research projects to the all the participants of the conference.

Lunch followed speakers who addressed patient issues and representation, i.e. Meg Gaines, JD who spoke on *“Can Healing Happen Here?”* and Nancy Pandhi, MD, PhD and Sarah Davis, JD on *“Patient Engagement with Primary Care Teams for Quality Improvement”*. These presentations addressed the issues resulting from the collaborations stemming from the 2014 I-PrACTISE Conference. Overall, there was a balanced mix of research describing the interventions of Industrial and Systems Engineering (ISyE) approaches in Primary Care models or the collaborations between the two fields.

The evening dinner was enhanced by A. Joy Rivera, PhD who gave *“The Karsh Lecture”*. Dr. Rivera shared her most valuable experiences from her training with Dr. Karsh, and offered challenges for our future work .

The final plenary on Tuesday morning by Mark Helfand, MD *“EBM2-A new model for evidence-based practice”* was followed by AHRQ representative Rebecca Roper, MS, MPH’s talk on *“AHRQ Primary Research Grant Funding Opportunities.”*

Then, participants were invited to attend either of two concurrent 90-minute workshops. One was led by Matt Swedlund, MD, *“Education for the effective and efficient use of Health Information Technology (HIT) for health profession students”*. This helped attendees understand the potential for formal education in the health professions regarding HIT use. The other, led by Marlon Mundt, PhD, explored *“Communication Strategies for the Clinical Care Team – Does Face-to-Face Trump Electronics?”* and highlighted the impact of communication styles on clinician and patient outcomes. Both sessions brought an ISyE approach to primary care education and practice.

## **2016 I-PrACTISE Conference DATES Set**

We’ve reserved the Alumni Lounge at the Pyle Center, University of Wisconsin for April 24 – 27, 2016, for our next I-PrACTISE Conference! Details will follow: <https://www.fammed.wisc.edu/i-practise>

### ***Know your I-PrACTISE Colleague: James Ryan, DO***

I am a busy family doctor working in a small town and have been exploring new architectural models of clinical care with my patients. I attended I-PrACTISE this year and was very moved, both personally and intellectually. I had never experienced such a concentration of individuals with a shared passion in this field. It often feels that primary care is left to fend for itself and is drowning in haphazardly implemented policy and technology. Hours of complaints have been released in hospital and clinic break rooms, cafeterias, and halls. But here there were solutions, many of which were well thought out and full of potential. There was an energy that filled my tanks for weeks after i returned to the clinic and it’s problems. i used to play music at festivals and it had a similar vibe, checking out what others were doing, and getting new ideas, all that was there. Being filled with inspiration, that is a rare treat in this era.

## 2016 I-PrACTISE Conference Cont'd

This conference will feature Optional Project Development, and Awardee and Mentoring Workshops on the afternoon of April 26<sup>th</sup> and the morning of April 27<sup>th</sup>, 2016. Plan to bring your developing projects for collegial feedback and your mentees for further training on research and project development.

### From the Director Cont'd

practice”, and finally Ms. Rebecca Roper for AHRQ discussed AHRQ primary care research funding opportunities. Workshops explored the role of electronic versus face-to-face communication and strategies for incorporating education about effective and efficient technology use into health professions education. (A full schedule and some video captures and slide sets are available at <https://www.fammed.wisc.edu/i-practise> )

Innovations were explored. As indicative of the diversity of short presentations we had a presentation on an entirely home-grown EMR designed specifically for patient care by a solo-practitioner. Others innovations in staffing patterns to support primary care efficiency and there were discussions of some of the considerations in building design from an architectural point of view.

We initiated the Karsh Awards for best trainee poster and podium sessions. This year’s awardees were James McCormack and Yushi Yang.

We hope you and your colleagues will plan to join us at our April 24-27, 2016 conference. We are in the process of identifying themes and speakers. It will, as seems to be becoming our custom, be held in Madison, Wisconsin. We will have formal notice about that out shortly. In addition to the plenary sessions, posters, podium presentations, we intend, with the help of Rich Holden, PhD, Chet Fox, MD, and Roger Kessler, PhD have more formal workshops and mentoring for students. We were able through some donations to subsidize students’ attendance and hope to continue and expand that scholarship program. There may be an optional one-day session to explore project development for researchers, and awardee and mentoring workshops.

If you have suggestions as to how we may improve our 2016 conference – or any other suggestions as to how I-PrACTISE can bring science to policy and practice, please let me know.

Have an excellent summer,

John W. Beasley, MD

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