

The Wisconsin Research & Education Network (WREN)



2010 Wisconsin Primary Care Research & Quality Improvement Forum



September 16 & 17, 2010
Hilton Garden Inn, Middleton WI


A Message from the WREN Director



Welcome to WREN's annual Wisconsin Primary Care Research & Quality Improvement Forum! This year, we are happy to welcome guest speaker Perry Dickinson, MD, who will talk about the role practice-based research networks like WREN can play in practice redesign, and Dr. Bill Costerton who will present Thursday's morning plenary on biofilms. Later in the day we will learn about the Community Academic Partnership Core of the UW Institute for Clinical and Translational Research from Dr. Maureen Smith, and on Friday, Dr. Bruce Barrett will start us off with a presentation on shared decision making.

We have a very interesting line-up of oral presentations on both days of the conference that cover great variety of primary care topics including improving diabetes care, predictors of the common cold, and influenza surveillance in family practice settings, to name a few. Finally we have three workshops focusing on traumatic brain injury, motivational interviewing, and the impact of using electronic health records on patient care, respectively. Please make sure to check out the poster presentations as well!

We hope you enjoy this opportunity to both learn more about the many primary care research and QI projects happening around the state, and to network and catch up with others doing this important work in Wisconsin.



Paul Smith
WREN Director

Plenary and Guest Speaker Sessions

The Role of PBRNs in Practice Improvement and Transformation Perry Dickson, MD

Thursday, September 16 8:10–8:40 am

With the implementation of the Patient Centered Medical Home, meaningful use criteria, and other types of practice redesign, this is a period of change for primary care practices. This session will discuss the possible role that PBRNs can have in assisting practices in such practice improvement efforts.



Perry Dickinson, M.D., is Professor in the Department of Family Medicine of the University of Colorado Health Sciences Center. He is currently the President of the North American Primary Care Research Group (NAPCRG) and President of the Board of Directors of the Annals of Family Medicine, Inc. Dr. Dickinson has worked on multiple studies investigating the process of practice redesign, particularly focusing on the impact of practice organizational features on practice change efforts and on the use of elements of the chronic care model in primary care practices. He also is involved in a number of projects developing health information technology tools to support aspects of patient health behavior change and chronic care, including the Connection to Health project.

Plenary and Guest Speaker Sessions

Device-related and other chronic biofilm infections

William Costerton, PhD

Thursday, September 16 8:40–9:40 am

Dr. Costerton will speak about biofilms and how slime enclosed bacteria cause chronic infections in humans. Sixty-five percent of human bacterial problems in the developed world are caused by biofilms that are notoriously resistant to antibiotic therapy and host defense mechanisms. Dr. Costerton will discuss how we can prevent biofilm formation, mitigate the inflammatory processes by which they damage tissues, and even disperse their cells and make them susceptible to antibiotics and host defenses.



Professor Bill Costerton, the world renowned developer of the biofilm paradigm (Scientific American 1978), is Director of Microbial Research at the Department of Orthopedics, Allegheny General Hospital, and Director of Biofilm Research at the Center for Genomic Sciences, Allegheny-Singer Research Institute. Dr. Costerton is a Fellow of the Canadian Royal Society, and the recipient of numerous international awards in microbiology and teaching including ASM's Procter and Gamble Award in Applied and Environmental Microbiology. Prior to Dr. Costerton's joining the West Penn Allegheny Health System, he was the Director of Biofilm Research at the University of Southern California from 2004-2008, and Center Director of the Center for Biofilm Engineering at Montana State University from 1992-2004 where he ran a highly successful NSF-sponsored engineering institute. Dr. Costerton is one of ISI's most highly cited authors and has over 600 peer reviewed publications.

ICTR-CAP and Translational Research in Primary Care

Maureen Smith, MD, MPH, PhD

Thursday, September 16 1:00–2:00 pm

This talk will discuss ICTR-CAP and translational research in primary care in Wisconsin, including examples of ICTR-CAP pilot projects that have a focus on primary care.



Dr. Maureen Smith received M.D. and M.P.H. degrees from Yale University School of Medicine, and a Ph.D. from the University of Minnesota in Health Services Research, Policy and Administration in 1999. She is an Associate Professor in the UW Madison School of Medicine and Public Health Departments of Population Health Sciences, Family Medicine, and Surgery. She leads a research program that examines the effectiveness and equity of the health care system for aging and chronically ill persons. As Faculty Director of the Health Innovation Program, Director of the Community Academic Partnerships Core of the Institute for Clinical and Translational Research, and Associate Director of Cancer Control Research at the UW Carbone Comprehensive Cancer Center, she is able to lead efforts to build a transformative research infrastructure that will create, consolidate, and translate new and existing knowledge into community-based practice to improve healthcare delivery and health outcomes.

Randomized trials, clinical significance & shared decision-making: Respiratory infection and beyond

Bruce Barrett, MD, PhD

Friday, September 16 8:40–9:40 am

Randomized controlled trials provide estimates of the likelihood and magnitude of effects attributable to interventions. Most trials are focused on potential benefits, but increasingly include measures of harms (side effects and adverse events). Sadly, even the most well-proven medical interventions provide limited benefit, and are accompanied by costs and risks. A goal of shared decision-making is to provide patients with accurate and understandable information about both benefits and harms, and to assist them with making decisions about health care choices. Using examples from his own research in respiratory infection, and invoking the concept of "minimal important difference," Dr. Barrett will provide listeners with some basic principles and practices to empower them to better understand and communicate the findings of patient-oriented research.



Dr. Bruce Barrett, Associate Professor in the Department of Family Medicine, UW Madison School of Medicine and Public Health, received M.D. and Ph.D. (Anthropology) degrees from the University of Wisconsin - Madison in 1992, then completed an international health fellowship with Johns Hopkins University at a World Health Organization research institute in Guatemala. A 1997 graduate of the Eau Claire residency program, Dr. Barrett completed the Madison-based primary care research fellowship in 1999. Over the past several years, Dr. Barrett received grant support from the National Center for Complementary and Alternative Medicine at the National Institutes of Health, and the Generalist Physician Faculty Scholars Program from the Robert Wood Johnson Foundation. His research has included cross-cultural health care for Hmong patients in Eau Claire, village-based primary health care for ethnic minorities in the Vietnam Highlands, a qualitative study of complementary and alternative medicine in Madison, a randomized double-blind placebo-controlled trial of echinacea for upper respiratory infection, use of benefit harm trade-off methods to assess "sufficiently important difference," and development and validation of a questionnaire instrument for measuring common cold outcomes.

7:30–8:00 am	Breakfast (Room A)	
8:00–9:40 am	Welcome and Morning Plenary (Rooms B and C)	
8:00–8:10 am	Welcome and Introductions <i>Paul Smith, WREN Director</i>	
8:10–8:40 am	The Role of PBRNs in Practice Improvement and Transformation <i>Perry Dickinson, MD</i>	
8:40–9:40 am	Morning Plenary Session Device-related and other chronic biofilm infections <i>William Costerton, PhD</i>	
9:40–10:00 am	Morning Break (Room A)	
10:00–12:00	Research and Quality Improvement Presentations (Rooms B and C)	
	Room B	Room C
10:00–10:20 am	The Wisconsin Collaborative Diabetes Quality Improvement Project: Effective Statewide Collaboration <i>Kristin Gallagher</i>	Effectiveness of a Wilderness First Aid Course <i>Phillip Deming</i>
10:20–10:40 am	A Quality Improvement Study on Adolescent Immunization at a Central Wisconsin Family Practice Residency Clinic <i>Amy Ewan</i>	The Differential Diagnosis of Pulmonary Blastomycosis in Wisconsin <i>Dennis Baumgardner</i>
10:40–11:00 am	Face mask use by patients in primary care <i>Jessica Tischendorf</i>	In Depth Analysis of Information Flow and Hospital Follow-up Visits <i>Tosha Wetterneck</i>
11:00–11:20 am	Workflow Schmerkflow <i>Jamie Lapin and Daniel Krueger</i>	Macrolide treatment for “Chlamydial asthma”: Evidence for enrollment bias in an effectiveness trial <i>David Hahn</i>
11:20–11:40 am	Qualitative aspects of treatment with prolotherapy for knee osteoarthritis in a multi-method study <i>Lane Benes</i>	Clinical Predictors of Severity and Duration of the Common Cold <i>Joshua Taylor</i>
11:40–12:00 pm	An assessment of racial disparity in rates of possible risk factors for H1N1 associated hospitalization: Dane County, WI <i>Jessica Tischendorf</i>	Electronic Surveillance for Seasonal and Pandemic Influenza in Family Practice Settings <i>Jonathan Temte</i>
12:00–1:00 pm	Lunch (Room A)	
1:00–2:00 pm	Afternoon Plenary (Rooms B and C)	
	ICTR–CAP and Translational Research in Primary Care <i>Maureen Smith, MD, MPH, PhD</i>	
2:10–3:40 pm	Workshop and Panel Discussion Breakout Sessions (Rooms B and C)	
	Room B	Room C
	Workshop: What are the unanswered questions regarding the impact of EHR use on patient care? <i>John Beasley</i>	Panel Discussion: The UW’s Waisman Center: Overview of Research, Clinical, and Training Programs on Disabilities <i>Len Abbeduto, Jason Baker, Anita Bhattacharyya, Leann Smith</i>

3:40–4:25 pm	Afternoon Break and Poster Session (Room A)	
4:25–5:05 pm	Research Presentations (Rooms B and C)	
	Room B	Room C
4:25–4:45 pm	WREN's Collaboration with a Dental Network (PEARL) <i>Mike Grasmick</i>	Outcomes of Community Clinic–based Deliveries in a Wisconsin Amish Community <i>Laura Lynch</i>
4:45–5:05 pm	Incidence of Eosinophilic Esophagitis in Marshfield Epidemiological Study Area (MESA) <i>Rajesh Kethireddy</i>	The Impact of Serum Glucose on Clinical Outcomes in Patients Hospitalized with Community Acquired Pneumonia <i>Steven Yale</i>
5:05 pm	Adjourn	
6:00 pm	Dinner TBA	

Friday, September 17

7:00–8:00 am	WREN Steering Committee Meeting (Boardroom)	
7:30–8:30 am	Breakfast (Room A)	
8:30–9:40 am	Welcome and Morning Plenary (Rooms B and C)	
8:30–8:40 am	Welcome and Opening Remarks <i>Paul Smith, WREN Director</i>	
8:40–9:40 am	Randomized trials, clinical significance and shared decision–making: respiratory infection and beyond <i>Bruce Barrett, MD, PhD</i>	
9:50–10:50 am	Workshops (Rooms B and C)	
	Room B	Room C
	Traumatic Brain Injury (TBI) in Primary Care: The Need for a Protocol for Post–acute Care Treatment <i>Thomas Tatlock</i>	Motivational Interviewing in Primary Care: What is it and how can it help? <i>Celeste Hunter, Chris Casselman, Kim Schoen, Liz Bade</i>
10:50–11:10 am	Morning Break (Room A)	
11:10–12:10 am	Research and Quality Improvement Presentations (Rooms B and C)	
	Room B	Room C
11:10–11:30 am	A tool for successful chronic pain management: a controlled substances peer review and advisory group <i>Brian Arndt, Kimberly Arndt</i>	Vitamin D testing and treatment practices among family physicians <i>Sarina Schrager, Erin Reddy</i>
11:30–11:50 am	Demographic Snapshot of Motivational Interviewing for Health Maintenance and Promotion in a Primary Care Setting <i>Ruth Perez</i>	Quality of Life and Depression as Determinants of Treatment Adherence in Hypertensive Patients <i>Lina Vera</i>
11:50–12:10 pm	Trust and Technology Interaction in Primary Care <i>Onur Asan</i>	Toward a Grounded Theory of Factors Influencing Physicians' Learning Decisions <i>Lisa Elsinger</i>
12:10 pm	Adjourn	

Poster Session

Maximum Lifetime Blood Lead Levels and Attention-Deficit/Hyperactivity Disorder Diagnosis in Children: Eastern Wisconsin, USA

Dennis J. Baumgardner

Information chaos in primary care: Implications for patient safety

John Beasley

Wisconsin Network for Health Research (WiNHR)

Deb Kruser

Using the charting tool, Smart Phrase, to improve the quality of care provided to patients with chronic pain

Alex Young

Implementing the Medical Office Survey on Patient Safety: Lessons from a successful WREN project

Peggy O'Halloran

Not a WREN member?
Haven't renewed your membership?



WREN members...

- have access to WREN infrastructure
- help shape WREN's research agenda
- get a reduced rate to attend WREN annual meetings
- are eligible for a volunteer faculty appointment at the UW-Madison
- earn CME credits for attending annual meetings
- have the opportunity to present their research at the annual research forum
- have voting rights
- may serve on the WREN steering or advisory committees
- receive the quarterly newsletter

Sign up now! General membership is currently \$100 annually. Affiliate and student memberships are free, but offer only a subset of the general member benefits.

For more information check out our display
and register online at www.wren.wisc.edu.

Special Recognitions

WREN & WAFP Primary Care Clinician Survey Group

Cybele Abad, MD	Alison Lux, MD
Reginald Adams, DO	Rick McClafin, MD
Janet Babbit, RN, CFNP	Brad Meyers, MD
Elizabeth Bade, MD	Jennifer Mohr, DO
Neil Bard, MD	Bridgett Moss, DO
Amy Barraclough, PA-C	Cathy Murphy, APNP
Dennis Baumgardner, MD	Keith Ness, MD
Rebecca Beach, MD	Tanya Neumaier, PA-C
John Beasley, MD	Eileen Nyholt, CNM
Mark Behar, PA-C	Chidi O Basi, MD
Tim Bjelland, DO	Cheri Olson, MD
John Brill, MD	Curtis Olson, PhD
Robin Butrick, MD	John Ostergaard, MD
Michele Brogunier, MD	Ali Phipps, CNM
Robert Buss, MD	Philomena Poole, CFNP
Kristi Carlson, PA-C	Beth Potter, MD
Jeffrey Cavaness, MD	Leon Radant, MD
William Cayley, MD	Rebecca Reim, MD
Cris Custer, APNP	Amy Reisen, ARNP
Diana Daoud, MD	Christine Richards, MD
James Deming, MD	Andres Ries, MD
Sabina Diehr, MD	Kimberly Ryan, NP
Clark DuMontier, MD	Michael Saunders, MD
Jennifer Eddy, MD	Willard Schanhofer, MD
Kim Ehlers, ARNP	Kenneth Schellhase, MD, MPH
Rod Erickson, MD	Christine Sinsky, MD
John Ewing, MD	Thomas Sinsky, MD
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David Hahn, MD	Jean Stransky, PA-C
Terry Hankey, MD	Brian Sullivan, MD
Nancy Havas, MD	Jonathan Temte, MD, PhD
Jenny Hayes, PA	Jackie Tillett, CNM, ND
Eric Heaney, MD	Heidi Townsend, MD
Pam Heilman, MD	Paul Treder, APNP
Jill Hendrickson, MD	John Wall, MD
David Hoffmann, MD	Brian Wallace, MD
Ann Hoffmann, MD	Kevin Whitney, MD
Derek Hubbard, MD	Stephen Wolk, PA-C
Rozina Idrees, MD	Cynthia Wozniczka, PA-C
Tomasz Jarzembowski, MD	Andrew Wright, MD
Rebekah Klarberg, FNP	Steven Yale, MD
Kari Lathrop Capaul, MD	Alexander Young, MD
James Logan, MD	

Visit www.wren.wisc.edu for news about next year's forum!

2011 Wisconsin Primary Care Research and Quality Improvement Forum & Convocation of Practices

Meeting Sponsors

Thank you to our meeting sponsors Metastar, the Department of Family Medicine, UW-Madison School of Medicine and Public Health, and the UW-Madison Institute for Clinical and Translational Research.

Also, we would like to thank Drs. Leon Radant, Rebecca Beach, Steven Yale, and John Beasley for sponsoring a student to attend the forum this year.



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