

**DEPARTMENT OF FAMILY MEDICINE
RESEARCH DIVISION MONTHLY REPORT
FEBRUARY 2005**

Research – Benjamin Crabtree, PhD

The vision of the **UMDNJ-RWJMS Family Medicine Research Division** is to develop and sustain a nurturing and productive research environment that fosters collaborative transdisciplinary approaches to promote the health of families and communities by improving quality of care and eliminating health-related disparities.

Message from the Director:

Dena O'Malley has been officially promoted to "Program Coordinator" in recognition of her hard work and central organizing role on ULTRA and other Division projects. Congratulations Dena!!

Barbara DiCicco-Bloom has received notice that her R03 grant application to the National Institute of Nursing Research (NINR) has been approved for funding. This two year project will use data collected in the ULTRA study and investigate the relationships among practice clinicians (MDs, DOs, NPs and PAs) and nurses using perspectives from social capital. Joining Barbara as co-investigators on this project are Deborah Cohen, Pam Ohman-Strickland, and Ben Crabtree. Congratulations Barbara!!

Cynthia, Dena, and Anda attended a workshop on "The Grant Application Process at RWJMS for Researchers and Staff." This all-day workshop was held on February 22 and provided the latest information needed for negotiating the complex system for submitting grants, including an overview of the grant and contract application process and the Institutional Review Board (IRB) review process for research involving human subjects.

Ben Crabtree and long-time collaborators Kurt Stange, William Miller, Carlos Jaen, Robin Gotler, and Paul Nutting met in San Antonio for a two-day directors' retreat for our AAFP sponsored research center. During the meeting, the team discussed the upcoming invited panel we will present at the AcademyHealth Annual meeting in Boston (June 26-28). The AcademyHealth panel will include Reuben McDaniel, Leif Solberg, Kurt Stange, and Will Miller, who will provide an overview of our emerging understanding of practice change, with Ben serving as moderator. The team also spent time with San Antonio investigator Michael Parchman reviewing the project he has developed as part of his K08 award.

Our Colorado colleagues Paul Nutting, Perry Dickinson, and Miriam Dickinson launched their new American Academy of Family Physicians (AAFP) sponsored practice intervention trial at a project retreat held in Denver on February 3-4. Ben Crabtree and Kurt Stange attended the retreat as consultants on this project that extends the model we are using in the ULTRA, EPOCHS (Case Western) and SCOPE (pending NCI) projects. Dr. Nutting's intervention uses a brief MAP processes, but unlike ULTRA teaches practices RAP skills in a series of learning collaboratives that will be held in Chicago. The practices participating in the project are members of the AAFP National Research Network and include 10 practices from throughout the US.

Deciding that he had not tested fate sufficiently, Ben Crabtree made yet another mid-winter trip, this time to Madison Wisconsin, to attend a two-day invitational conference of family medicine investigators who had received NIH or AHRQ funding. This workshop was focused on strategies for building a sustainable research program and included a series of talks/discussions by key research leaders including Kurt Stange, Kevin McBride, Kevin Peterson, Lillian Gelberg, Mack Ruffin, and Michael Fleming. Ben presented a session on building and sustaining a research team (something we hope we can do here in NJ). Ben has the PowerPoint slides from each presentation and the handouts – let Ben know if you wish to see these.

Benjamin F. Crabtree, Ph.D.
Professor and Director

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In Press

Aita V, McIlvain H, Backer E, McVea K, **Crabtree B**. “Patient-Centered care and communication in primary care practice: what is involved?” Patient Education and Counseling (in press).

Anderson R, **Crabtree BF**, Steele DJ, McDaniel RR. “Case Study Research: The View From Complexity Science.” Qualitative Health Research (in press)

Crosson JC, C Stroebel C, Scott J, Stello B, Crabtree BF. “Implementing an electronic medical record in a family medicine practice: communication, decision-making, and conflict.” Annals of Family Medicine (in press).

Miller WL, **Crabtree BF**. “Clinical Research” in Handbook of Qualitative Research, 3rd edition. Newbury Park: Sage (in press)

Stroebel CK, McDaniel RR, **Crabtree BF**, Miller WL, Nutting PA, Stange KC. “Using Complexity Science to inform a reflective practice improvement process.” Joint Commission Journal of Quality and Safety (in press)

Under Review

Backer EL, Gregory P, Jaen CR, **Crabtree BF**. “A Close Look at Adult Female Health Care Maintenance Visits.” (revisions requested - Family Medicine).

Bodenheimer T, **Young D**, Macgregor K, Holtrop J: “Practice-based research in primary care: facilitator or barrier to practice improvement?.” (under review - Annals of Family Medicine).

Cifuentes M, Fernald DH, Green LA, Niebauer LJ, **Crabtree BF**, Stange KC, Hassmiller S. “Prescription for health: changing primary care practice to foster healthy behaviors.” (under review - Annals of Family Medicine)

Cohen DJ, Crabtree BF, Tallia AF, Young D: “Implementing health behavior change in primary care: Lessons from Prescription for Health.” (revisions requested - Annals of Family Medicine)

Crabtree BF, Miller WL, McDaniel RR, Stange KC, Nutting PA, Jaen CR. “Surprising insights from a program of research in primary care.” (under review - JAMA)

Crabtree BF, Miller WL, **Tallia AF, Cohen DJ, DiCicco-Bloom B**, McIlvain HE, Aita VA, **Scott JG, Gregory PB**, Stange KC, McDaniel RR. “Delivery of Clinical Preventive Services in Family Medicine Offices.” (revisions under review – Annals of Family Medicine)

DiCicco-Bloom, B, Crabtree BF. “Qualitative Interviews.” (revisions requested - Medical Education)

Flocke S, **Crabtree BF**, Stange KC. “Clinician Reflecting on Promotion of Healthy Behaviors in Primary Care Practice.” (under review - Preventive Medicine).

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Hudson SV, Momperousse D, Leventhal H. “Physician Perspectives on Cancer Clinical Trials and Barriers to Minority Recruitment.” (under review - Cancer Control).

Katerndahl D, **Crabtree BF**. “Creating Innovative Research methods: The 10-Year Methodological Think Tank Experience.” (revisions requested – Annals of Family Medicine)

Nutting PA, Dickinson WP, Dickinson LM, Nelson CC, King DK, **Crabtree BF**, Glasgow RE. “Chronic Care Model Elements Associated with High Quality Care for Diabetes” (under review – Health Services Research)

Ohman-Strickland P, **Orzano AJ**, Nutting PA, Dickinson WP, Scott-Cawiezell J, **Hahn K**, **Gibel M**, **Crabtree BF**. “Measuring Organizational Attributes of Primary Care Practices: Development of a New Instrument, A New Study in the New Jersey Family Physicians Research Network.” (revisions under review – Health Services Research).

Scott, JG, **Tallia, A**, **Crosson, JC**, **Orzano, AJ**, **Stroebel, C**, **DiCicco-Bloom, B**, **O'Malley, D**, **Shaw, E**, **Crabtree, BF**. "Social Network Analysis as an analytic tool for interaction patterns in primary care practices." (revisions requested - Annals of Family Medicine)

In Process

Cohen D, **DiCicco-Bloom B**, Flocke S. “The complexities of weight loss counseling in the primary care visit.”

Cohen DJ, Leviton L, **Tallia A**, **Crabtree BF**, Young D. “Using online diaries as an evaluation tool: insights from prescription for health.”

Crosson JC, **Ohman-Strickland P**, **Hahn K**, **Bass C**, **Shaw E**, O’Connell ME, **Crabtree BF**. “Divergent views of physicians and staff regarding decision-making in family medicine practices.”

Crosson JC, **Hahn K**, **Orzano J**, **Crabtree BF**. “Electronic medical record usage and diabetes guideline adherence: results from primary care.”

DiCicco-Bloom B, **O’Malley D**, **Shaw E**, **Crosson JC**, **Bass C**, Miller WF, McDaniel R. “The extension of the jazz metaphor to understand relationships among members of family medicine practices.”

DiCicco-Bloom B, **O’Malley D**, **Shaw E**, **Crosson JC**, **Bass C**. Frederickson, K. “The development of the concept social capital within the complexity science framework.”

Hahn K, **Ohman-Strickland P**, **Hamilton J**, **Nazareth T**, **Crabtree B**. “Hyperlipidemia guideline adherence and the effects of and interaction between patient and physician gender.”

Hudson SV, **Ohman-Strickland P**, Ferrante J, **Young D**, **Hahn K**, **Harris-Haywood S**, **Crabtree BF**. “Organizational Factors Associated with Cancer Screening Disparities in Primary Care Settings.”

Hudson SV, **Ohman-Strickland P**, Lu-Yao G, Ferrante J, Cunningham R. **Orzano AJ**, **Crabtree BF**. “Prostate-specific antigen screening in primary care practices.”

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Hudson SV, Harris-Haywood S, Orzano AJ, Crabtree BF. “Recruitment of Minority Primary Care Community Practices into Practice-based Perspective.”

Hung DY, Rundall TG, **Crabtree BF, Tallia AF, Cohen D.** “Promoting Healthy Behaviors in Primary Care: The Role of Practice Staff Participation and Clinician Attributes in Preventive Service Delivery.”

Leverence RR, Williams RL, Sussman A, **Crabtree BF.** “Obesity prevention and treatment: National guidelines through the viewfinder of clinicians in a US Southwest PBRN.”

Parchman ML, McDaniel RR, **Crabtree BF.** “Methodological implications of complexity theory for studying clinical microsystem redesign.”

Phillips RL, Dryer M, Weyer SM, Guirguis-Blake J, **Crabtree BF**, McNellis R, Johnson-Pawlson J. The direct observation of nurse practitioners and physician assistants in primary care practice: are there differences and do they matter? (to be submitted to BMJ).

Scott JG, DiCicco-Bloom B, Stroebel C, Stello B, Crosson JC, O’Malley D, Shaw E, Bass C, O’Connell ME, Solberg L, Gilchrist V, Jaen C, Crabtree BF. "Food for thought: How pharmaceutical representatives influence primary care physicians."

Scott JG, DiCicco-Bloom B, Stello B, Crosson JC, O’Malley D, Shaw E, Bass C, O’Connell ME, Solberg L, Gilchrist V, Jaen C, Crabtree BF. "The Influence of pharmaceutical representatives on adherence to guidelines for treatment of hypertension."

Solberg LI, Hroschickoski MC, Sperl-Hillen JM, Harper P, **Crabtree BF.** “Transforming Medical Care: Case Study of an Exemplar Small Medical Group”

Tallia A, Scott JG, DiCicco-Bloom B, Orzano AJ, O’Malley D, Shaw E, Crosson JC, Crabtree B “Comparison of Genograms and Social Network Diagrams in the Analysis of Primary Care Practices.”

Tallia AF, Lanham H, McDaniel R, Crabtree BF. “What Physicians Need to Know about Work Relationships in Primary Care Practices.”

Grants/Contract Related Activities

Pending

Crabtree, BF, PI: “Enhancing colorectal CA screening through learning teams”; funding agency: NCI; project amount: \$3,856,425 (priority score 150)

Swee, D., PI: “Academic Administrative Units in Primary Care”, competitive renewal, funding agency: HRSA; project amount: \$687,124 (direct costs).

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Tallia, A., (subcontract PI): “Using learning teams for reflective adaptation for diabetes”; funding agency: NIDDK; subcontract project amount: \$315,363.

Active Grants

Cohen, D., PI: “Using illness visits to address health behavior advice”; funding agency: NCI with CWRU (subcontract); project amount: \$150,419.

Cohen D. Prescription for Health Independence Evaluation Unit. Robert Wood Johnson Foundation. January 2004-January 2007.

Crabtree BF. Institutional National Research Services Award (T32). HRSA , July 1, 2003 –June 30, 2008.

Crabtree BF. Trial to Enhance Adherence to Multiple Guidelines. National Heart, Lung, and Blood Institute, September 6, 2002 – August 31, 2007.

Crosson J. Co-Investigator/Director of Educational Research and Evaluation/Co-author. Enhancing preceptorship and education in family medicine. DHHS, HRSA.

Crosson JC (Co-Investigator). Translating Research into Action for Diabetes (TRIAD), CDC/NIDDK U58/CCU223529.

DiCicco-Bloom, B, PI: “Patterns of nurse-physician relationships”, National Institute of Nursing Research (NINR); January 2005 – January 2007.

Hudson, SV (co-investigator), Department of Defense, Grant# DAMD17-01-1-0755, The Dean and Betty Gallo Prostate Cancer Center: Expansion Plan, 7/1/03 - 6/30/05.

Hudson, SV (co-investigator), The Cancer Institute of New Jersey, Cancer Control & Prevention RFA Mechanism, Barriers and Incentives to Participation in Cancer Clinical Trials by New Jersey African Americans, Hispanics, and Medically Underserved Whites, 06/01/04 - 05/31/05

Hudson, SV (Pilot Project PI), DHHS, Project EXPORT, Addressing Cancer Disparities in NJ Communities, 9/30/04-9/29/07.

Orzano AJ, PI. Capacity in Organizational Research, AHRQ (K08 HS014018) Career Development Award, September 2004 – September 2008.

Scott, JG, PI. Robert Wood Johnson Generalist Physician Faculty Scholars Program. “Balancing Priorities: Healing in the context of evidence-based medicine”. July 2004 – June 2008.

Swee DE. Academic Administrative Units in Primary Care. HRSA, September 30, 2002 – August 31, 2005.

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Presentations:

Pamela Ohman-Strickland, PhD gave a presentation entitled "Modeling Systems With Varying Numbers of Inputs and Outputs: An Application to Cluster Randomized Trials "at the 10th Biennial CDC and ATSDR Symposium on Statistical Methods, Bethesda, Maryland (February 28-March 2, 2005)

Shawna Hudson, PhD, gave a presentation entitled "PSA Screening in Primary Care Settings: Opportunities for Research and Intervention" to the Prostate Researcher's Group at the Cancer Institute of New Jersey (CINJ), New Brunswick (February 2005)

Abstract Submission:

Roemheld-Hamm B, Isaacson N: "Influenza Immunization Disparities in the Primary Care Office Setting" accepted for presentation at the 39th National Immunization Conference at the Hilton Washington, Washington, DC. (March 21-24, 2005)

NRSA Fellowship Activities - Barbara DiCicco-Bloom RN, PhD

The Fellows (Denise Young, MD, Beatrix Roemheld-Hamm, MD, PhD, Jennifer Hamilton, MD, PhD, Mihai Jalba, MD, PhD) have begun work on their group research project to explore the integration of Complementary and Alternative Medicine (CAM) within four Family Medicine Practices. The goal of this project is to contribute to the knowledge about CAM within practices as well as to promote skill development among Fellows in qualitative ethnographic methods including participant observation, taking and transcribing fieldnotes, key informant interviews, and in-depth interviews. The Fellows will produce at least two manuscripts and will present their findings at NAPCRG in October 2005. The other members of the Division that have joined with Barbara DiCicco-Bloom RN PhD and Benjamin Crabtree, PhD to guide this process include Deborah Cohen, PhD, John Scott MD PhD and Dena O'Malley.