

**DEPARTMENT OF FAMILY MEDICINE
RESEARCH DIVISION MONTHLY REPORT
JUNE 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:

Wow! As a testament of the quality of work being done in the Division, we have had 14 slide and poster presentations accepted at this fall's NAPCRG conference! This year was very competitive due to the large number of international submissions. The meeting will be held in Quebec City in October. All presenters will need to identify a time slot at one of our September or October weekly Division meetings to "rehearse" their presentation. As always, it is expected that a preliminary draft of a manuscript for later submission for peer-reviewed publication will be ready prior to the conference.

We received the official notice of grant award (NGA) for our R01 grant application to the National Cancer Institute (NCI), with funding beginning July 1, 2005. This five-year project expands our intervention model by including "learning collaboratives" of clinicians and staff from groups of intervention practices who will meet to discuss their experiences with MAP/RAP and strategies for enhancing cancer screening and counseling. Eric Shaw has assumed the responsibilities of Project Coordinator. Congratulations Team!!

It has been a fairly long time since the Division has done a formal review of its agenda and priorities. We are beginning a process of self-reflection and priority setting over the next two-to-three months. Division meetings in June and July started a review of all current and pending projects being conducted within the Division. Near the end of July, our external advisory committee members (Frank DeGruy, MD from Colorado and James Campbell PhD from Missouri – unfortunately Carole Bland will not be able to visit at this time) will visit the Division to review our progress and make recommendations for future areas of growth and focus. Throughout August, we will review individual faculty and staff member activities and then have a formal all-day retreat of the Division in September.

As our primary care improvement work has gained greater recognition, we are beginning to explore more international collaborations. As part of this, Ben Crabtree attended the WONCA 2005 Asia Pacific Regional Conference in Kyoto, Japan where he presented a methods workshop on assessing practice settings. He also met with physicians and researchers from Japan and Korea to better understand the unique contexts these settings provide in preparation for possible international comparative case studies.

Ben Crabtree was invited to organize a panel of experts on "Organizational Studies of Primary Care Practices" for the AcademyHealth 2005 Annual Conference. Fellow panel members Kurt Stange, MD, PhD (Case Western), Leif Solberg, MD (HealthPartners, Minneapolis), Reuben McDaniel, EdD (UT Austin) and William Miller, MD (Lehigh Valley Hospital) presented a well received series of presentations that reviewed past and present efforts to improve primary care practices at the June conference in Boston.

Members of the Research Division continued exploring potential collaborative opportunities with other UMDNJ investigators. We are particularly excited about working with Jonathan Foulds, PhD, a tobacco investigator from the School of Public Health, who is interested practice interventions that could enhance the connections between practices and NJ state-sponsored Quit Centers.

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

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Published

Miller WL, Phillips WR, Acheson LS, **Crabtree BF**, Zyzanski SJ, et al. "New Knowledge for and about Primary Care: A view through the looking glass of the *Annals of Family Medicine*" *Annals of Family Medicine* 2005; 3(3):199.

Miller WL, **Crabtree BF**. "Clinical Research." In N Denzin & Y Lincoln (Eds) Handbook of Qualitative Research, 3rd edition. Newbury Park: Sage, 2005

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).

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

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." *Annals of Family Medicine* (in press).

Cohen DJ, Crabtree BF, Tallia AF, Young D: "Implementing health behavior change in primary care: Lessons from Prescription for Health." *Annals of Family Medicine* (in press).

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." *Annals of Family Medicine* (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).

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." *Annals of Family Medicine* (in press).

Stroebel CK, McDaniel RR, **Crabtree BF**, Miller WL, Nutting PA, Stange KC. "How Complexity Science can 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).

DiCicco-Bloom, B, Crabtree BF. "Qualitative Interviews." (revisions under review - 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, Harris-Haywood S, Orzano AJ, Crabtree BF. “Recruitment of Minority Primary Care Community Practices into Practice-based Perspective.” (revisions requested – Medical Care)

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

Isaacson N: “The Promise and Potential Problems of Online Sexuality Education for Adolescents” (revisions requested – Sexuality Research and Social Policy)

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).

Ohman-Strickland PA, Crabtree BF. “Modeling systems with varying numbers of inputs: An application to the Ultra study (under review – Statistics in Medicine)

Solberg LI, Hroschikoski MC, Sperl-Hillen JM, Harper P, Crabtree BF. “Transforming Medical Care: Case Study of an Exemplar Small Medical Group” (under review, Annals of Family Medicine).

Tallia AF, Lanham H, McDaniel R, Crabtree BF. “What Physicians Need to Know about Work Relationships in Primary Care Practices.” (under review, Family Practice Management).

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, Isaacson, N. “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.”

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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."

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

Hung, DY, Rundall, TG, Crabtree, BF, Tallia, AF, Cohen, DJ. "Effects of Staff Participation in Decision Making on Productivity and Turnover in Primary Care Practice."

Hung, DY, Rundall, TG, Crabtree, BF, Tallia, AF, Cohen, DJ. "Preventive Care Processes for Health Behaviors: Application of the Chronic Care Model in Primary Care Practice."

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?

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."

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."

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Grants/Contract Related Activities

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. Project amount: \$600,000

Cohen, DJ: “Study of Determinants of High Quality Care in Family Practice Offices”, subcontract, University of Chicago (PI=Hickner), Project amount: \$12,352.

Crabtree BF. Institutional National Research Services Award (T32). Funding Agency: HRSA, July 1, 2003 – June 30, 2008. Project amount: \$1,319,174

Crabtree BF. Trial to Enhance Adherence to Multiple Guidelines. National Heart, Lung, and Blood Institute, September 6, 2002 – August 31, 2007. Project amount: \$3,722,849

Crabtree, BF, PI: “Enhancing colorectal CA screening through learning teams,” National Cancer Institute; July 1, 2005 – April 30, 2010, Project direct costs: \$2,997,356

Crosson J. Co-Investigator/Director of Educational Research and Evaluation/Co-author. Enhancing preceptorship and education in family medicine. DHHS, HRSA. Project amount: \$417,999

Crosson JC (Co-Investigator). Translating Research into Action for Diabetes (TRIAD), CDC/NIDDK U58/CCU223529. Project amount: \$4,275,000

DiCicco-Bloom, B, PI: “Patterns of nurse-physician relationships”. Funding Agency: National Institute of Nursing Research (NINR); April 2005 – March 2007. Project amount: \$151,199

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. Project amount: \$590,675.

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 . Project amount: \$75,000.

Hudson, SV (Pilot Project PI), DHHS, Project EXPORT, Addressing Cancer Disparities in NJ Communities, 9/30/04-9/29/07. Project amount: \$1.2 million.

Orzano AJ, PI. Capacity in Organizational Research, AHRQ (K08 HS014018) Career Development Award, September 2004 – September 2008. Project amount: \$435,219.

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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. Project amount: \$300,000

Tallia, A.. Academic Administrative Units in Primary Care. HRSA, September 30, 2002 – August 31, 2005. Project amount: \$682,987

Pending

Cohen, D, PI: “Using Qualitative Methods in Healthcare Research: A Comprehensive Guide for Designing, Writing, Reviewing and Reporting Qualitative Research,” Funding Agency: Robert Wood Johnson Foundation (RWJF), Project amount \$33,894

Cohen, DJ. PI: “Prescription for Health Evaluation Round 2: Analysis, Synthesis, and Dissemination,” Funding Agency: Robert Wood Johnson Foundation (RWJF); Project amount: \$438,797

Hudson, SV, PI: “Assessing Barriers to Cancer Screening in Primary Care Settings,” Funding Agency: American Cancer Society; Project amount: \$729,000

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

Tallia, A., (subcontract PI): “Using learning teams for reflective adaptation for diabetes,” Funding Agency: NIDDK; Subcontract project amount: \$315,363 (priority score 155)

Abstract Submission:

Cohen DJ, DiCicco-Bloom B, Flocke SA. The Complexities of Weight Counseling in the Primary Care Visit. Accepted for presentation at the North American Primary Care Research Group (NAPCRG) annual conference.

Crabtree BF, Miller WL, Balasubramanian B, Ohman-Strickland P. Using Learning Teams for Reflective Adaptation: Preliminary Results from the NHLBI-funded ULTRA Study. Accepted for presentation at the North American Primary Care Research Group (NAPCRG) annual conference.

Crosson JC, DiCicco-Bloom B, O’Malley D, Shaw E, Bass C, Crabtree BF. “Electronic medical records and adherence to diabetes guidelines in primary care: a multimethod comparative case study.” Accepted for presentation at the North American Primary Care Research Group (NAPCRG) annual conference.

DiCicco-Bloom B, O’Malley D, Shaw E, Crosson J. Social Capital among Nurses and Physicians in Primary Care Practices and Implications for Patient Care. Accepted for presentation at the North American Primary Care Research Group (NAPCRG) annual conference.

Hahn K, Ohman-Strickland P, Hamilton J, Nazareth T, Crabtree B. Hyperlipidemia Guideline Adherence and the Effect of Patient Gender. Accepted for presentation at the North American Primary Care Research Group (NAPCRG) annual conference.

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Hamilton J, Roemheld-Hamm B, Young D, Jalba M, DiCicco-Bloom B, Crabtree B. Organizational Features of Family Medicine Practices which Include CAM. Accepted for presentation at the North American Primary Care Research Group (NAPCRG) annual conference.

Hamm B. Why do family practices offer complementary and alternative medicine (CAM)? Accepted for presentation at the North American Primary Care Research Group (NAPCRG) annual conference.

Hudson SV, Ohman-Strickland P, Lu-Yao G, Ferrante J, Cunningham R, Orzano AJ, Crabtree BF. Prostate Cancer Screening Patterns in Primary Care Settings. Accepted for presentation at the North American Primary Care Research Group (NAPCRG) annual conference.

Ohman-Strickland P, Crabtree B. Modeling systems with varying numbers of inputs: An application to the Ultra study. Accepted for presentation at the North American Primary Care Research Group (NAPCRG) annual conference.

O'Malley D, DiCiccio-Bloom B, Crosson J, Shaw E, Crabtree B. Initial Conditions: Understanding the Qualities of Family Medicine Practices that Promote the Integration of a Reflective Adaptive Process. Accepted for presentation at the North American Primary Care Research Group (NAPCRG) annual conference.

Scott J, DiCicco-Bloom B, Cohen D, Crabtree B. Partners in healing: Doctors' and patients' experiences of healing relationships. Accepted for presentation at the North American Primary Care Research Group (NAPCRG) annual conference.

Shaw EK, O'Malley D, Crosson J, DiCicco-Bloom B, Crabtree B. Exploring Family Dynamics in Family Medicine Practices. Accepted for presentation at the North American Primary Care Research Group (NAPCRG) annual conference.

Young DM, Paul S, Ibrahim A, DeMissie K. Rapid HIV Testing in New Jersey: A State-wide Primary Care Initiative. Accepted for presentation at the North American Primary Care Research Group (NAPCRG) annual conference.