

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

Looking back on the activities in the division in May, a dominant theme was the exchange of thoughts and information among division members as well as with outside speakers and University resources. Among the speakers and visitors was James Scheirer, PhD, Associate Dean for Clinical Research, who gave a presentation to the division on May 10<sup>th</sup> titled “Applying to the NIH for Funding”. Dr. Sung Chae, Assistant Director for the JFK Family Practice Residency Program also visited the division in May. She is a member of the Network of Affiliated Family Practice Residency Program - Department of Family Medicine, UMDNJ-Robert Wood Johnson Medical School and presented "The Patient Medication List: Sharing the Responsibility". Kurt Stange, M.D., Ph.D., Case Western Reserve University, visited the division May 18-19<sup>th</sup> to discuss ongoing and new collaborations with key research division faculty and staff.

The month also included ongoing professional development as well as training for new research staff. The Research Division's chart auditors, Jill Kelly, Kim Ross-Reed, and Apexya Patel, participated in a Chart Auditor Workshop on Thursday, May 19. This meeting time was used to systematically review each piece of data collected during the chart audit to increase inter-rater reliability. The chart auditors also had the opportunity to ask questions and to update ULTRA project faculty and staff on challenges they face in the practices. This workshop was considered helpful by most in attendance and will be continued on a bimonthly basis. Also, the ULTRA Intervention Team organized and conducted a two-week training session from April 28<sup>th</sup> thru May 16<sup>th</sup> for new facilitators Sabrina Chase, Anna Looney, Nancy Gratz and NRSA fellows Denise Young, Beatrix Roemheld-Hamm, Mihai Jalba and Jennifer Hamilton as well as Marielos Vega. The training focused on ethnographic data collection methods and team facilitation skills that guide practice change research efforts in the ULTRA project. The process supported the development of relationships among the newcomers and the more senior members of ULTRA. The training team is looking forward to refining the current education program that will be used to train incoming facilitators for the NCI Project SCOPE.

To add to the information exchange, Dr. Crabtree attended the AAFP Center Directors meeting in New Orleans April 30<sup>th</sup> – May 4<sup>th</sup> and the WONCA (World Organization of National Colleges, Academies) Regional Conference in Kyoto, Japan (presented “Multimethod Approaches to Researching Practice Settings” and met with Japanese family physicians to plan future collaborations).

Finally, the division’s RAP team wishes to thank John Clabby for his enormous assistance in facilitating its weekly meetings. As John’s responsibilities take him to Centrastate, we shall miss his exceptional capabilities, sincerity and interest in helping the division grow and succeed.

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

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

**Published**

Anderson R, **Crabtree BF**, Steele DJ, McDaniel RR. "Case Study Research: The View From Complexity Science." *Qual Health Res* 2005 May;15(5):669-85.

**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)

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).

**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, 3<sup>rd</sup> edition. Newbury Park: Sage (in press)

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* (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. "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).

**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*)

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

**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).

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

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

**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.”

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."

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

**Tallia A, Scott JG, Diccico-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.”

**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

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

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.

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

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

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

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, PI: “Enhancing colorectal CA screening through learning teams,” Funding Agency: NCI; Project amount: \$3,856,425 (priority score 150)

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:**

**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.” Submitted for presentation at the North American Primary Care Research Group (NAPCRG) annual conference.

**Poster Presentation**

Jennifer Hamilton, MD, PhD, postdoctoral fellow, was the first place winner in the 2005 NJAFP Poster Session at the Summer Celebration and Scientific Assembly which was held on May 20-21, 2005. Dr. Jeffrey Levine was a co-author. Dr. Hamilton collected data for the study to meet the requirement for scholarly activity during the 3rd year of her residency at the UMDNJ-Robert Wood Johnson Medical School.

The title of the poster: " Opening Pandora's Box: Neo-Pagan Patients' Preferences For Physician Discussion Of Religion And Spirituality During Grave Illness". The poster will be featured in the next issue of *Perspectives: A New View of Family Medicine in New Jersey* and on the NJAFP website.

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