

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

The Research Division extends a very warm welcome to four new members – that’s right, four! **Bijal Balasubramanian, MD, MPH** joins us as a full-time Assistant Professor and will take a leading role in providing support in epidemiology and quantitative analysis. Bijal received her medical degree in India and is now completing a PhD in epidemiology at the UMDNJ School of Public Health. **Anna Looney, PhD** is a most welcomed addition to our ULTRA team and will serve as a practice facilitator in place of Cathy Bass, PhD, who will be sadly (for us) returning to Texas with her family. Anna received an MA in English Literature from SUNY Stony Brook and an MA and PhD in sociology from Rutgers. **Sabrina Chase, PhD** also joins the Division as a facilitator. She will begin working as an ULTRA facilitator, but will transition into one of our NRSA fellows this fall and will work on the newly funded NCI colorectal cancer project. Sabrina is a medical anthropologist with an interest the medical and mental help-seeking strategies of HIV+ Puerto Rican women. **Apexya Patel**, joins the Division as a full-time temporary chart auditor for the ULTRA Project. She has recently completed an LPN program at Trinitas and will be an asset toward meeting our summer chart auditing goals.

An intensive 10 day training for the ULTRA facilitators began on April 28 to prepare for the delayed intervention (sometimes referred to as ULTRA II). Not only has the ULTRA team made considerable refinements to the intervention, there is a whole new cadre of facilitators working with the delayed intervention practices. These include Anna Looney, Sabrina Chase, Jennifer Hamilton (working with 2 practices as a NRSA fellow), and Nancy Gratz (from Lehigh Valley Hospital). Because the Division’s NRSA fellows have initiated a comparative case analysis of practices that integrate CAM (Complementary and Alternative Medicine), NRSA fellows Denise Young, Beatrix Hamm, Jennifer Hamilton, and Mihai Jalba are also participating in this training. We are also very pleased to welcome Marielos Vega from New Jersey Medical School. The feedback from the participants has been extremely positive, a true testament to the dedication and hard work of those who put together and taught the curriculum, especially Cathy Bass, Dena O’Malley, Eric Shaw, Barbara DiCicco-Bloom, and Jay Crosson.

NRSA fellows Denise Young, Beatrix Hamm, Jennifer Hamilton, and Mihai Jalba held a phone consultation with Lucille Marchand, RN, MD and Bruce Barrett, MD, PhD who are nationally recognized experts in Complementary and Alternative Medicine. Drs. Marchand and Barrett, who are in the Department of Family Medicine at the University of Wisconsin, provided feedback about the tool the fellows plan to use to collect data in their CAM project.

Cynthia, Dena, and Anda attended a university sponsored workshop which reviewed the new NIH Forms and Policies. Since NIH will no longer accept the old forms for grant submissions, anyone planning on applying for federal funding should ask one of them for the latest information.

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As a continuation of our collaboration with Paul Nutting and the University of Colorado, Ben Crabtree and Will Miller attended a 2 day “learning collaborative” in Chicago that brought together a physicians and staff members from 18 primary care practices from throughout the US to learn about our RAP intervention. Unlike our ULTRA project, members of these 18 practices will learn how to develop RAP teams at a series of learning collaboratives and implement cycles to enhance depression care without the aid of a facilitator.

Ben Crabtree participated (by conference call and web presentation) as a committee member in the dissertation defense of Lynne Nemeth, RN, PhD from the University of South Carolina, School of Nursing. Dr. Nemeth’s research investigates variation in response to a quality improvement intervention among practices with EMRs.

Will Miller and Ben Crabtree participated in an invited symposium in Alexandria, Virginia hosted by the Samueli Institute. They presented a paper titled “Healing Landscapes: Patients, Relationships, & Optimal Healing Places,” which will be later published in a supplemental issue of the Journal of Alternative and Complementary Medicine next fall.

ULTRA Outcomes Team members Karissa Hahn, Shawna Hudson, Pam Ohman-Strickland, John Orzano, and Ben Crabtree traveled to Cleveland to work with our collaborators to establish a core set of process and outcome measures that can be used across multiple projects. The ULTRA team is revising a number of instruments at the same time that new NCI-funded projects are getting underway in both Ohio and New Jersey. We also anticipate that these instruments will be used by Dr. Nutting in a project that is anticipated to be funded by NIDDK (Dr. Tallia is the PI on a subcontract on this NIDDK project).

Division faculty Alfred Tallia, John Scott, and Ben Crabtree attended the UMDNJ Presidential Inauguration in Newark on April 26.

Shawna Hudson attended the Annual CINJ Retreat on April 27 and presented a paper based on our ULTRA data, “Prostate-specific Antigen Testing in Primary Care Practices.”

NAPCRG’s annual meeting will take place in Quebec City this fall. There have apparently been a record number of submissions this year, with well over 600 abstracts submitted. Our Division certainly made a major contribution to this record, with at least 10 submissions, including from Karissa Hahn, Dena O’Malley, John Orzano, Denise Young, Barbara DiCicco-Bloom, John Scott, Deborah Cohen, Eric Shaw, Beatrix Hamm, and Ben Crabtree (I suspect I may be missing a couple more!). This level of participation is certainly a reflection of the expanding productivity of our Division!

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

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The research network is represented by 70 practices across the State of New Jersey. Forty of those practices are participating in the ULTRA project. Of those practices many have given testimonials on the positive impact ULTRA has contributed to community building within their practices.

During the month of April each practice and their office managers were sent an update on Network activities inclusive of current and future projects. 13 practices received a site visit with 80% representation of clinicians and 90% of office managers in attendance.

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, 3rd 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)

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Under Review

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

Cohen D, DiCicco-Bloom B, Flocke S. “The complexities of weight loss counseling in the primary care visit.” (under review - Patient Education and Counseling)

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 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.” (under review - Cancer Control).

Isacson 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, Hroschowski 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).

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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.”

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?

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

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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, 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

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

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)

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

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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); January 2005 – January 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

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

Abstract Submission:

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

Crabtree BF. Multimethod Approaches to Researching Practice Settings. Workshop being presented at WONCA Asia Pacific Regional Conference 2005, Kyoto, Japan, May 27-31, 2005.

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." Submitted 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." Submitted 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 A**, **Crabtree BF**. "Prostate Cancer Screening Patterns in Primary Care Settings." Paper submitted for presentation at the Annual Meetings of the North American Primary Care Research Group (NAPCRG) annual conference.

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

Orzano A, Katerndahl D, Miller W, Griffiths F, Crabtree B. "Using Complexity Science as a Lens to Describe the Clinical Encounter: An Exploratory Qualitative Data Analysis." Submitted for presentation at the North American Primary Care Research Group (NAPCRG) annual conference.

Isaacson N, Roemheld-Hamm B. "The Relationship Between Organizational Culture and Influenza Immunization of Health Care Workers." Submitted for presentation at the North American Primary Care Research Group (NAPCRG) annual conference.

Roemheld-Hamm B, Isaacson N. "Understanding Disparities in Influenza Immunizations in Primary Care Office Setting." Submitted for presentation at the North American Primary Care Research Group (NAPCRG) annual conference.

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

Poster Presentation:

Jennifer Hamilton, MD, PhD and Jeffrey M. Levine, MD, MPH. Poster entitled "Opening Pandora's Box: Neo-Pagan Patients' Preferences for Physician Discussion of Religion and Spirituality During Grave Illness" accepted for presentation at the NJ Academy of Family Physicians' Scientific Assembly, Atlantic City (May 2005).