

**DEPARTMENT OF FAMILY MEDICINE
RESEARCH DIVISION MONTHLY REPORT
MAY 2007**

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:

Congratulations Rebecca Etz on your recent commitment ceremony. We all wish you the very best!

A sub group of the Family Medicine research faculty and staff met on May 30 to assess and reflect on the Division's work and to integrate individual areas of research interests into a cohesive framework that accommodates three major programs of research over the next several years. After reviewing the current portfolio of research and existing/potential alliances, the group focused on the following areas: 1) continued research and dissemination of research to enhance the value of primary care, including in the areas of e-prescribing, open access, flow sheets, EMRs, registries, group visits, delivery of cancer screening and prevention services, and community connections/referrals; 2) develop and implement several research initiatives regarding cancer survivorship; and 3) further strengthen current work on the elimination of health care disparities. To accomplish these synergistic programs of research, it is necessary to strengthen and accelerate the breadth and growth of the New Jersey Family Medicine Research Network (NJFMRN) to strengthen the ties between primary practices in NJ to one another as well as to the research community and policymakers. The overarching research goal for the Division is thus to create and strengthen a new, participatory, community-based model of care built on research, application and public policy. To help accomplish this, ties with existing and new alliances need to be built and strengthened, adequate funding needs to be secured, and coordination of research projects needs to be maintained within the research group.

With the May/June issue the *Annals of Family Medicine* welcomed Deborah Cohen, PhD to the editorial team as Associate Editor. Also with this issue, Benjamin Crabtree steps down as an associate editor. Dr Cohen is a communication scientist with expertise in applying qualitative methods to understand communication in health care settings. With her expertise, the *Annals* will continue to be a home for strong qualitative and mixed methods research.

Rohini Nevalekar, research assistant in the Research Division, recently left her position here to pursue other research opportunities at the Cancer Institute of New Jersey. Rohini provided immense value to several projects, in particular the NCI-funded Project SCOPE. She was extremely successful in recruiting patients at the practice sites, collecting quantitative data, and assisting Eric Shaw (project director) with day-to-day project management. We wish her continued success in her new endeavors.

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As part of the Division's subcontract on the University of Colorado's NIDDK-funded EPIC project, Eric Shaw, Anna Looney, and Ben Crabtree traveled to Denver to participate in a practice learning session. The RWJMS team provides qualitative analysis expertise to this NIH project and provides an independent audit of all the qualitative data collected for the project.

The NCI-funded EPOCHS Project of Case Western Reserve University in Cleveland hosted a two-day retreat in May to update the project's outside consultants on the progress of this 5 year study and to get suggestions for coming intervention activities. This project uses concepts from Appreciative Inquiry to assist in the facilitation process as primary care practices work to enhance cancer related care. Ben Crabtree from RWJMS participated in this retreat along with other investigators such as Russ Glasgow (Kaiser), Rob Williams (New Mexico), Valerie Gilchrist (North Carolina), Paul Nutting (Colorado), and Ron Fry (Appreciative Inquiry).

The 2nd annual retreat for Jeanne Ferrante's NCI-funded K07 grant was held at our World Fair Drive conference room on May 18. Ben Crabtree serves as one of Dr. Ferrante's primary mentors and was joined for the day by Norman Hymowitz, Sue Rovi, Ping-Hsin Chen, Marielos Vega, Joanne Fagan, and Richard Roetzheim (University of South Florida). Dr. Ferrante has been extremely successful over the past two years in getting manuscripts submitted and accepted in the peer reviewed literature, including in the *J Women's Health*, *Cancer Dect Prev*, *J Am Board Fam Med*, and *Am J Prev Med*. Much of this retreat focused on brainstorming the design of a follow-up intervention grant that Dr. Ferrante will submit in 2008.

The Robert Wood Johnson Foundation funded Prescription for Health (P4H) project is reaching a major milestone as the 10 funded projects are nearing completion. Members of our Division serving on the Evaluation Team/Analysis Team (A-Team) participated in a 3 day conference in Colorado Springs, during which time they met individually with investigators from the 10 projects in final interviews and presented an overall summary of the evaluation to date. Division faculty participating included Deborah Cohen (PI), Nicky Isaacson, Bijal Balasubramanian, Alfred Tallia, and Ben Crabtree. Rebecca Etz, NRSA Fellow working on the P4H Evaluation, was there in spirit! The A-Team has another year on this evaluation contract to continue data analysis and disseminate findings from the initiative.

Eric Shaw, PhD, recently presented a talk as part of a workshop panel on "Practice Facilitators" at the AHRQ Practice-Based Research Network Conference held in Bethesda, MD. His talk focused on two major projects from the Research Division (the ULTRA and SCOPE projects) that utilize facilitators as practice improvement change agents, as well as the facilitator training program developed by members of the Research Division. The overarching goal of the workshop was to explore ideas for a national practice facilitator training effort.

Benjamin F. Crabtree, PhD
Professor and Director

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New Jersey Family Medicine Research Network (NJFMRN)

Focus in May was on planning future development of the Network for its membership.

Bob Spierer, MD and Terry Falco met with Mark Johnson, MD; Family Medicine Chair at the New Jersey Medical School on May 1 and with Carman Ciervo, DO; Family Medicine Chair at SOM on May 9th. A meeting has been scheduled for June 11th that will include the chairs of the 3 Departments of Family Medicine (RWJMS, NJMS and SOM), their representatives, Ben Crabtree, PhD, NJFMRN Research Director and Robert Spierer, MD, NJFMRN Medical Director to discuss future collaborations.

To assist nurses across the Network in keeping their skills and accreditation current, Regina Cunningham, RN, PhD, Chief Nursing Officer at CINJ; Barbara DiCiccio-Bloom, RN, PhD, Assistant Professor and Director of the UMDNJ-RWJMS Health Services Research Fellowship Program and Terry Falco, NJFMRN Program Administrator did a needs assessment and developed the agenda for the CEU Planning Meeting scheduled for June 7th at the office in Somerset. .

The Network participated in the Middlesex County Community Cancer Awareness Coalition, 1st Annual Community Conference “A Call to Action” that was held on May 16th at the Fire Academy in Sayreville.

Projects the Network Practices are currently involved in are ULTRA – Using Learning Teams for Reflective Adaptation, SCOPE – Supporting Colorectal Outcomes Through Participatory Enhancements and Interaction of Pharmaceutical Representatives with Primary Care Practices. The projects above involve over 60 practices that represent the various socio-economic, chronologic and ethnic diversity of New Jersey.

Potential Network projects include RCT of Controlled Breathing Effects on Ambulatory BP; EMR and Health Care Quality and Organizational Self Assessment to Improve Diabetes Care.

Please view our website by clicking on the link at the RWJMS Department of Family Medicine (Department of Family Medicine) or at <http://rwjms.umdnj.edu/njfmrn/> If you are interested in your practice joining the Network, please complete the Network Information form on the site or if you would like to submit a project application complete the Research Application located on the website.

The Network would like to welcome Grove Family Practice, Dr. Kenneth N. Panitch located in Haddonfield, New Jersey to the group.

Important NJFMRN dates include: Practice Manager Meetings – July 18th, October 17th and December 19th; Board Meetings – July 19th and October 11th; Nursing Continuing Education with a focus on medication September 20th and the Convocation of Practices October 27th.

Published

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Crosson JC, Ohman-Strickland, PA, Hahn KA, DiCicco-Bloom B, Shaw E, Orzano AJ, Crabtree BF. Use of electronic medical records and diabetes quality of care: results from a sample of family medicine practices. *Annals of Family Medicine*, 2007; 5: 209-215.

Ferrante JM, Chen PH, **Crabtree BF**, Wartenberg D. Cancer screening in women body mass index and adherence to physician recommendations. *Am J Prev Med*. 2007, 32(6):525-31.

Flocke S, **Crabtree BF**, Stange KC. Clinician Reflecting on Promotion of Healthy Behaviors in Primary Care Practice. *Health Policy*, 2007 May 30; [Epub ahead of print]

Leverence RR, Williams RL, Sussman A, **Crabtree BF**. Obesity counseling and guidelines in primary care: A qualitative study. *Am J Prev Med* 2007 32(4):334-339.

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. *Health Services Research* 2007, 42(3 Pt 1):1257-73.

Orzano AJ, Ohman Strickland P, Tallia AF, Hudson S, Balasubramanian, Nutting PA, **Crabtree BF.** Improving Outcomes for High Risk Diabetics Using Information Systems. *J. American Board of Family Medicine (JABFM)*. May-June 2007;20(3):1-7.

In Press

Balasubramanian BA, Green LA, Cohen DJ, Crabtree BF, Tallia AF, Isaacson N, Etz R, Dodoo MS, Philips RL. Improving the Use of Patient Registries in US Primary Care Practices – Graham Center One-Pager. *Am Fam Physician* (in press)

Cohen, DJ. "Keywords in Qualitative Methods, Bloor, M, & Wood, F." Book Review. *Evaluation and Program Planning* (in press)

Crosson JC, Ohman-Strickland, PA, Hahn KA, DiCicco-Bloom B, Shaw E, Orzano AJ, Crabtree BF. Use of electronic medical records and diabetes quality of care: results from a sample of family medicine practices. *Annals of Family Medicine* (in press)

DiCicco-Bloom, B, Frederickson K, **O'Malley D, Shaw E, Crosson J, Looney, JA:** Developing a Model of Social Capital: Relationships in Primary Care. *Advances In Nursing Science* (in press)

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. *Health Services Research* (in press).

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Orzano AJ, Scott J, Hudson S, O'Malley D, Hahn K, Haywood-Harris S, Falco T, Johnson M, Crabtree B. Strategies for Conducting Complex Clinical Trials in Diverse Community Practices. *Medical Care* (in press).

Under Review

Cohen, DJ, Crabtree, BF. Integration of qualitative methods into clinical research: Emergent values regarding the rigor and quality. (under review – *Annals of Family Medicine*).

Crabtree BF, Miller WL, McDaniel RR, Stange KC, Nutting PA, Jaèn CR. In the Meantime: Building Adaptive Capacity in Primary Care. (under review: *New England Journal of Medicine*).

DiCicco-Bloom, B, Frederickson K, O'Malley D, Shaw E, Crosson J: “Concept Development: Social Capital Within a Complex Adaptive System Framework” (under review: *Journal of Nursing Scholarship*)

M Heisler, B Tabaei, R Ackerman, KV Narayan, B Waitzfelder, M Safford, C Tseng, K Duru, **JC Crosson, B Herman, C Kim.** Physicians' participatory decision-making and quality of diabetes care processes and outcomes: results from TRIAD. (under review. *Journal of General Internal Medicine*)

Cappiello, M., **Cunningham, R. S.**, Knopf, M. T., & Erdos, D. (2006). Breast Cancer Survivors: Information and Support Needs After Treatment. (submitted for review: *Clinical Nursing Research*)

Salas-Lopez D, Mouzon DM, Cespedes LM, McLaughlin C, **Hudson SV, Natale-Pereira A.** “Evaluation of a Medical Interpreter Training Program for Bilingual Dual-Role Hospital Employees” (under review: *Journal of General Internal Medicine*).

Hudson SV, Ohman-Strickland P, Cunningham R, Ferrante J, Hahn K, Crabtree BF. "The effects of teamwork and system support on colorectal cancer screening in primary care practices" (accepted with minor revision - *Cancer Detection and Prevention*)

JC Crosson, N Isaacson, D Lancaster, EA McDonald, T Schueth, B DiCicco-Bloom, JL Newman, DS Bell. Variation in electronic prescribing implementation among twelve ambulatory practices. (under review. *Journal of General Internal Medicine*).

JV Selby, BE Swain, RB Gerzoff, AJ Karter, BE Waitzfelder, AF Brown, RT Ackermann, OK Duru, A Ferrara, W Herman, DG Marrero, D Caputo, KMV Narayan, for the TRIAD Study Group [**JC Crosson**]. Understanding the gap between good processes of diabetes care and poor intermediate outcomes: translating research into action for diabetes (TRIAD). (under review: *Medical Care*).

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Ohman Strickland PA, Orzano JA, Hudson SV, Solberg LI, DiCiccio-Bloom B, O'Malley D, Tallia AF, Balasubramanian B, Crabtree BF. Association of diabetes care with presence of nurse practitioners and physician assistants in family medicine practices. (under review: Annals of Family Medicine).

Orzano AJ, McInerney CR, Tallia AF, Scharf D, Crabtree BF. A Knowledge Management Model: Implications for Enhancing Quality in Health Care (revision under review: J American Society Information Science and Technology, JASIST)

Orzano AJ, Scott J, Hudson S, O'Malley D, Hahn K, Haywood-Harris S, Falco T, Johnson M, Crabtree B. Strategies for Conducting Complex Clinical Trials in Diverse Community Practices. (revisions under review – Medical Care)

Orzano AJ, McInerney CR, Tallia AF, Scharf D, Crabtree BF. Practice Performance and Knowledge Management (under review: Health Care Management Review)

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? (revisions requested: Annals of Family Medicine).

In Process

Balasubramanian BA; Ohman-Strickland P; Crabtree BF. Using Learning Teams for Reflective Adaptation: Results from a Quality Improvement Intervention to Improve Adherence to Guidelines for Diabetes and Hypertension in Primary Care Practices.

Balasubramanian BA, Orzano AJ, Ohman Strickland P, Hudson SV, Tallia AF, Crabtree BF. The impact of a quality improvement intervention in primary care practices on staff turnover.

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, DiCiccio-Bloom B, Shaw E, O'Malley D, Crabtree BF. “Electronic medical records and adherence to diabetes guidelines in primary care: a multimethod comparative case study.”

JC Crosson, B Balasubramanian, P Ohman-Strickland, M Roland, RL Phillips, A Bazemore, M Dodoo, C Fullwood, T Doran, AF Tallia, JG Scott. A comparison of US and UK family medicine practices using UK pay-for-performance standards.

JC Crosson, P Ohman-Strickland, B Balasubramanian, M Roland, RL Phillips, A Bazemore, M Dodoo, C Fullwood, T Doran, AF Tallia, JG Scott. How do different P4P schemes sort ULTRA practices?

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C Brazeau, **JC Crosson**. Observation of teaching in a third year clerkship: the hidden curriculum of patient care.

MS Johnson, S Rovi, **JC Crosson**, L Boyd. Offsite mentors program: an approach to increasing research capacity.

Cunningham, R., Anselmo-Murphy, A., & Vamos, D. (2007) The role of erythropoietic agents in elderly cancer patients receiving chemotherapy. (for submission to *Drugs and Aging* in June).

Cunningham, R. Shaw, E., Hudson, S., O'Malley, D., & Crabtree, B. Using Learning Collaboratives to enhance Colorectal Screening.

C-W Tseng, TRIAD study group, **JC Crosson**. Impact of cost on medication use and communications with physicians about cost among patients with diabetes.

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."

Echeverria SE and Diez-Roux A. "Emergent Chronic Conditions" In upcoming book, "Social and Structural Factors Affecting the Health of Latino Males". Aguirre-Molina M, Borrell L, and Vega W (Eds).

Echeverria SE, Diez-Roux A, Shea S, Borrell L, Jackson S. "Associations of neighborhood problems and neighborhood social cohesion with mental health and health behaviors". (To be submitted to the journal *Health and Place*).

Echeverria SE and Rhodes G. "The influence of area of residence on advanced-stage breast cancer among Black, Latina and White women living in New Jersey". Research proposal submitted to the New Jersey State Cancer Registry. Pending IRB approval.

Hahn K, Ferrante J, **Crosson J, Hudson S, Crabtree B.** "Associations of chronic disease flow sheet use with guideline adherence."

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

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.

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Lancaster, D Crosson JC, Isaacson, N. "Clinical support staff involvement in prescribing."

Looney JA, Shaw E, Chase S, Stello B, DiCicco-Bloom B, Navalekar R, Crabtree BF. "Passing the Torch in Quality Improvement Trials."

Orzano AJ, McInerney CR, Tallia AF, Scharf D, Crabtree BF. Practice Performance and Knowledge Management: An Exploratory Analysis. (revision in process for Health Care Management Review).

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

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."

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."

Shaw E, Looney JA, Chase S, Stello B, Navalekar R, Crabtree BF. "In the Moment: An Analysis of Facilitator Impact during a Quality Improvement Process."

Shaw E, DiCicco-Bloom B, Crosson JC, Looney JA, O'Malley D, Crabtree BF. "Understanding Family Relationships in Family Medicine Practices."

Sussman A, Williams RL, Leverence R, Gloyd PW, **Crabtree BF.** "Using Self Determination Theory to Explain Clinical Decision Making in Primary Care"

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."

Invited Presentation:

Jesse Crosson, PhD presented on the topic "Variation in the implementation and use of e-prescribing in ambulatory settings at the Academy Health Annual Research Meeting in Orlando, FL on June 5, 2007

Fyffe DC, **Hudson SV, Fagan JK, Brown DR.** "Resources and Strategies for Community-Based Cancer Prevention and Control in Among African American and Latino Urban Males" has been selected for Poster presentation during the 135th Annual American Public Health Association Meeting & Exposition (November 3-7, 2007) in Washington, DC.

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NAPCRG Abstract Submission

Jesse C. Crosson, Chien-Wen Tseng, Julie A. Schmittiel, Kingsley Onyemere, Sonja Ross, Bix Swain, Michelle Heisler, Gabrielle Davis, Monica Girotra, Norman Lasser. “*A typology of primary-care physician styles in diabetes care: results from the Translating Research into Action for Diabetes (TRIAD) Study*” Submitted for presentation at the NAPCRG Annual Meeting, October 2007.

Jesse C. Crosson, Douglas S. Bell, **Nicole Isaacson**, **Debra Lancaster**, **Barbara DiCicco-Bloom**, Emily A. McDonald, Tony Schueth. “*Effect of e-prescribing in ambulatory settings: evaluation of the formulary and benefit standard*” Submitted for presentation at the NAPCRG Annual Meeting, October 2007.

Balasubramanian, Bijal; Ohman-Strickland, Pamela; Crabtree, Benjamin F. “*Using Learning Teams for Reflective Adaptation: Results from a Quality Improvement Intervention to Improve Adherence to Guidelines for Diabetes and Hypertension in Primary Care Practices.*” Submitted for presentation at the NAPCRG Annual Meeting, October 2007.

Shaw, Eric K; Balasubramanian, Bijal; Crabtree, Benjamin F. “*The Effect of Key Organizational Attributes on Cancer Screening Rates.*” Submitted for presentation at the NAPCRG Annual Meeting, October 2007.

Jeanne M. Ferrante, Bijal Balasubramanian, Shawna V. Hudson, Benjamin F. Crabtree. “*Attributes Of Primary Care and Receipt of Cancer Screening.*” Submitted for presentation at the NAPCRG Annual Meeting, October 2007.

Looney, J. Anna; O’Malley Denalee; Cho, Jung-Jin; Nutting, Paul A; Miller, William L; Crabtree, Benjamin F. “*Leaders and Leadership in the Primary Care Setting: Seeking A New Paradigm.*” Submitted for presentation at the NAPCRG Annual Meeting, October 2007.

Grants/Contract Related Activities

Active Grants

Cohen, D., PI: “Using illness visits to address health behavior advice” National Cancer Institute with CWRU (subcontract); 2004-2008; total project subcontract costs: \$150,419.

This subcontract provides support for conversation analysis in a study which seeks to characterize the way a teachable moment arises and is constructed within physician-patient interaction and to evaluate the effectiveness of this strategy on patient recall of advice, motivation to modify behavior and change in health behavior.

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Cohen D., PI. Prescription for Health Independence Evaluation Unit. Robert Wood Johnson Foundation; 2004-2008; total project costs: \$963,576.

This multiyear project is performing an ongoing content and process analysis of Robert Wood Johnson Foundation funded projects submitted by Practice Based Research Networks to the Prescription for Life: Promoting Health Behaviors Initiative. Methodologies include a comparative case analysis of projects, built on qualitative and quantitative data collected at the initiative, project, and practice levels.

Crabtree BF. Trial to Enhance Adherence to Multiple Guidelines. National Heart, Lung, and Blood Institute; 2002–2007; total project costs: \$3,722,849.

The major goal of this grant is to test a tailored practice level intervention strategy to simultaneously improve the delivery of care for diabetes, hypertension, and asthma and for tobacco and cholesterol screening. A group randomized clinical trial of practices is being used to test the intervention.

Crabtree, BF, PI: “Enhancing colorectal CA screening through learning teams,” National Cancer Institute; 2005 – 2010; total project costs: \$2,997,356.

This study evaluates a tailored practice-level MAP/RAP intervention that seeks to enhance relationships among practice members in order to improve rates of colorectal cancer screening in primary care practice.

Crabtree, BF, PI: “New Jersey Family Physicians Research Network – Cancer Center Support Grant”, 2005 – 2010; total project costs: \$806,348.

This work supports the NJFPRN to offer investigators an opportunity to have direct access to community-based patients and physicians in order to translate research evidence into community-based primary care practices with a long-term vision of enhancing the quality of care patients receive in New Jersey.

Crabtree BF. (subcontract); "The TransforMED National Demonstration Project", American Academy of Family Physicians; 2006-2009; total project costs: \$138,977.

This subcontract is part of a national project which will demonstrate new knowledge about practice change; payor, patient and practice outcomes using a detailed multi-method assessment of the process of practice change in selected practices across the United States.

DiCicco-Bloom, B. Institutional National Research Services Award (T32). Health Resources and Service Administration, 2003–2008; total project costs: \$1,319,174.

The NRSA fellowship seeks to produce researchers who: 1) are knowledgeable about national, state, and local health promotion and disease prevention; 2) are capable of investigating the appropriateness, effectiveness, and quality of health care in primary care settings; and 3)

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contribute to ongoing clinical and health policy research.

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

This three year grant focuses on development of resources and infrastructure needed for cancer research, training, community education and outreach. It focuses on conducting health disparities research designed to reduce cancer rates among minorities in New Jersey and to increase the participation of African-Americans, Latinos and other health disparity groups in biomedical and behavioral research as well as prevention and intervention activities.

Orzano AJ, PI. Capacity in Organizational Research, AHRQ (K08 HS014018) Career Development Award; 2004 – 2008; total project costs: \$435,219.

This grant supports a variety of educational strategies designed to make Dr. Orzano an expert in relevant organizational performance measure and to enhance his skills in survey and multimethod research approaches.

Roemheld-Hamm, B., PI: “National Needs Assessment: Problem Physician Early Warning System”, subcontract with National Board of Medical Examiners, Funding agency: Robert Wood Johnson Foundation; 2005–2007; Subcontract total costs: \$150,453.

A subcontract that seeks to develop an evidence-based early warning system to identify and remediate at-risk practitioners who are at a high probability of causing harm to the public.

Scott, JG, PI. Robert Wood Johnson Generalist Physician Faculty Scholars Program, “Balancing Priorities: Healing in the context of evidence-based medicine”; Robert Wood Johnson Foundation; 2004 – 2008; total project costs: \$300,000.

This grant supports Dr. Scott to explore how the doctor-patient relationship promotes patient healing.

Tallia, A.F., PI: “Academic Administrative Units in Primary Care”, 1 R18 DK067083-01A2, Health Resources and Services Administration; September 2005 – August 2008; total project costs: \$741,915.

The major goals of the grant are to: 1) develop a state-wide quality of care research network; 2) support a critical mass of family medicine researchers, and 3) build the infrastructure necessary to support and sustain network-based quality of care research and primary care practice improvement research productivity.

Tallia, A., (subcontract PI): “Using learning teams for reflective adaptation for diabetes”; NIDDK; September 2005 – August 2010) subcontract project amount: \$315,363

A subcontract that will compare the magnitude and timing of the intervention effects with a state

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of the art quality improvement effort that focuses on diabetes.

Pending grant applications (submitted)

Crabtree, B.F., PI: "Practice Redesign to Improve Depression Care – PRIDE Care"
(subcontract), Funding agency: NIMH; 2006-2010; Project total costs: \$167,732.

This subcontract will assist the main study in a group randomized trial To evaluate a Chronic Care Improvement intervention for implementing and sustaining chronic care office systems to improve depression care in 36 small, semi-autonomous, mixed-payer community-based primary care practices.

Hudson, S., PI: "Life After Cancer: Examining Survivor Transitions from Specialist to Primary Care," National Cancer Institute; 2008-2012; total project costs \$566,036

The overall goal of this career development application is to enable Dr. Hudson to become an independent researcher in cancer survivorship and primary care research. Using a combination of interviewing and survey research methodologies, the proposed studies build on each other to (1) explore early stage breast and prostate cancer survivors' attitudes toward primary care for follow-up cancer screening and (2) develop and validate a survey to be implemented in a study that describes primary care usage and assesses cognitive-affective, patient support and demographic factors that affect how survivors use specialists and primary care physicians for follow-up care.

Crosson, JC (PI). "Assessing teamwork and team innovations in the effective use of e-prescribing" (Subcontract). Agency for Healthcare Research and Quality. 2007-2010; total award :\$318,108

The proposed project will elucidate factors that influence the use of e-prescribing in medication management for patients with chronic conditions, with a particular focus on teamwork between prescribers, nurses, and other office staff. The project will focus on medication management for three chronic conditions: asthma, diabetes mellitus, and ischemic cardiovascular disease. The subjects will be primary care physicians in the New Jersey Family Medicine Research Network and in the UCLA Primary Care Research Network who will have installed the Caremark iScribe or the Allscripts eRx Now e-prescribing systems.