

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

During the month of August, the Research Division hosted a series of speakers at the weekly CINJ Population Science Meetings. **Shawna Hudson, PhD**, a medical sociologist and Assistant Professor of Family Medicine at the UMDNJ-Robert Wood Johnson Medical School, is responsible for evaluation of CINJ Outreach Programs and oversees CINJ's developing informatics/survey research core. Dr. Hudson provided an overview of "Cancer Health Disparities: Research Priorities and Opportunities." **Rita Musanti, PhD, APN-C, AOCNP**, an Associate Director of Nursing Education at CINJ, directs the nursing education activities within CINJ and the CINJ Partner and Affiliate Network. Dr. Musanti described "A Model to Increase Exercise Participation in Cancer and Primary Health Care Populations." **Regina Cunningham, PhD, RN AOCN**, Chief Nursing officer and Director of Ambulatory Services, is responsible for planning, directing, coordinating, evaluating and improving the delivery of all ambulatory care services to both adults and children receiving care at CINJ. She provided an update of "Cancer Survivorship: Opportunities and Challenges." **Cristine Delnevo, PhD, MPH**, Associate Professor in the Department of Health Education and Behavioral Science at the UMDNJ School of Public Health, is the Principal Investigator of the Independent Evaluation of the New Jersey Comprehensive Tobacco Control Program and oversees the Tobacco Surveillance and Evaluation Research Program at UMDNJ-School of Public Health. Dr. Delnevo provided a thorough summary of New Jersey's efforts in "Monitoring the Tobacco Epidemic" and identified collaborative opportunities for members of the Population Science community.

In preparation for this fall's North American Primary Care Research Group (NAPCRG) Annual conference, Division members are previewing their presentations or posters that have been accepted at the weekly Division meetings. In August, **Jeanne Ferrante, MD**, received feedback on her podium presentation "Effectiveness of Patient Navigation on Diagnostic Interval, Anxiety and Satisfaction of Minority Women with Abnormal Mammograms." Her presentation presented results from a randomized clinical trial supported by the Susan G. Komen Foundation. **John G. Scott, MD, PhD**, presented on the insights gained from his work on healing, "Relationships Matter: Understanding Health Relationships in Primary Care." This work is funded by the Robert Wood Johnson Foundation.

The Division wished a very fond farewell to **Jung-Jin Cho, MD, MPH, PhD**, who spent the past year as a visiting professor with our Division. Dr. Cho is an Associate Professor at the Department of Family Medicine, Hallym University College of Medicine and Director of Comprehensive Health Promotion Center at Hallym University Sacred Heart Hospital, Korea. Dr. Cho graduated from Seoul National University College of Medicine and has been working at Hallym University for the past five years. Her interests are in preventive health services and

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medical policy. She is the Director of the Study Group for Women's Health at the Korean Academy of Family Medicine. Dr. Cho was a visiting professor with the Research Division for one year, during this time she worked with the ULTRA team on data analysis and dissemination and also participated in the activities of the NRSA fellowship. She gave a presentation on the topic "The Development of the Korean Occupational Stress Scale (KOSS) and Job Stress on Depression" and has prepared a manuscript for peer-reviewed publication. We wish Dr. Cho a successful return to Korea and hope she benefited from her experience at RWJMS as much as we benefited from her.

Benjamin F. Crabtree, PhD
Professor and Director

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New Jersey Family Medicine Research Network (NJFMRN)

Network practices are winding down participation in **ULTRA – Using Learning Teams for Reflective Adaptation**. ULTRA is an NIH Funded project that has involved 60 practices from New Jersey and parts of Pennsylvania. The study began in 2003 and will conclude in 2008. Upon completion, each practice will receive an overview of the intervention experience, which includes a summation from the project facilitators on their observations and interviews at the practices. In addition, each site will be given their summary rate of key measures from the medical record reviews that were collected yearly at their practice.

25 Network practices are participating in **SCOPE – Supporting Colorectal Outcomes Through Participatory Enhancements**, a project funded by the NCI. The purpose of SCOPE is to facilitate primary care practices to improve colorectal screening rates for their patients. This improvement project has an assessment phase, intervention phase and a follow-up phase. Survey instruments and medical record reviews will be collected yearly to measure any cancer screening rate changes that have occurred over the duration of the trial.

Upcoming projects for the Network include:

- A Randomized Controlled Trial of Controlled Breathing Effects on Ambulatory Blood Pressure. Although drug therapies have improved blood pressure (BP) control, 50% of the hypertensive patients on drug therapy have inadequately controlled BP. The project aim is to conduct a blinded, randomized controlled trial to test the effect of Guided Breathing Intervention in uncontrolled hypertensives.
- Network practices will be participating in a pilot study of approximately 100-150 girls, aged 9-10 years to assess the feasibility of establishing a larger study of pre-pubertal girls in New Jersey that will collect follow-up information on their development. Research studies have clearly identified puberty as a critical window in a woman's development that has a major impact on her future risk of developing breast cancer. This pilot focuses on environmental exposures, hormonal, and nutritional factors.

Visit the Network website by clicking on the link at the RWJMS Department of Family Medicine site or at <http://rwjms.umdnj.edu/njfmrn/>

Important Upcoming NJFMRN dates include:

Practice Manager Meetings – October 17 and December 19th

Board Meetings – October 11

CEU Meeting - focus on cardiac medication September 20th

Convocation of Practices October 27th

Contact Enid Cruz at 732-743-3382 (cruze2@umdnj.edu) or Terry Falco 732-743-3387 (falcote@umdnj.edu) for additional information.

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Published

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*, 2007; 30, 3, E 13, www.advancesinnursingscience.com

In Press

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

Brazeau, C.; Rovi, S.; Washington, J.; **Crosson. JC**; "Chronic illness care quality in preceptorship sites. *Teaching and Learning in Medicine*. 2007; 18, 4: (in press).

Hargro, L, **Ferrante JM**. Diarrhea. In: *Family Medicine: Ambulatory Care & Prevention*, 5th edition, Mengel and Schwiebert, eds, McGraw- Hill Companies, 2007 (in press).

Natale-Pereira, A., Marks J, Vega MV, Mouzon DM, **Hudson SV**, and Salas-Lopez D. "Barriers and Facilitators for Colorectal Cancer Screening Practices in the Latino Community: Perspectives from Community Leaders." *Cancer Control* (in press).

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*).

Ohman Strickland PA, Orzano AJ, 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 *Annals of Family Medicine* (in press).

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*).

Sussman A, Williams RL, Leverence R, Gloyd PW, **Crabtree BF**. Using Self Determination Theory to Explain Clinical Decision making in Primary Care (under review *Qualitative Health Research*).

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*).

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*).

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*).

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C-W Tseng, et. al., **JC Crosson**. Race/Ethnicity and economic differences in cost-related medication underuse among insured adults with diabetes. (under review. Diabetes Care).

C Brazeau, S Rovi, R Schroeder, C Heaton, JC Washington, **JC Crosson**. Quality of care in academic and community practices of a third year family medicine clerkship. (under review Academic 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).

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)

DiCicco-Bloom B, McDaniel R., **O'Malley D, Shaw E, Crosson JC**. The Expanded Jazz Metaphor: Relationships Among Members of a Family Medicine Practice, (under review-Journal of Applied Behavioral Sciences).

Ferrante JM, Winston DG, Chen P, de la Torre A. Family Physicians Knowledge and Practices Regarding Chronic Hepatitis and Monitoring for Liver Cancer, (under review at Family Medicine).

Ferrante JM, Chen P, Kim S. The Effect of Patient Navigation on Time to Diagnosis, Anxiety, and Satisfaction in Urban Minority Women with Abnormal Mammograms: a Randomized Controlled Trial, (under review at J Urban Health).

Kim SH, **Ferrante JM**, Won B, Hameed MR. Black Race Is Independently Associated With Worse Outcome After Treatment For Breast Cancer, (under review at Annals of Surgical Oncology).

Hahn K, Ferrante J, Crosson J, Hudson S, Crabtree B. Diabetes Flow Sheet Use Associated with Guideline Adherence (revisions requested - Annals of Family Medicine).

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).

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).

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, McInerney CR, **Tallia AF**, Scharf D, **Crabtree BF**. Practice Performance and Knowledge Management: An Exploratory Analysis. (under review Health Care Management Review).

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Scott, JG, Cohen, D, DiCicco-Bloom, B, Crabtree, BF, Stange, K, Miller, W, Understanding Healing Relationships in Primary Care (under review New England Journal of Medicine).

Shaw E, DiCicco-Bloom B, Crosson JC, Looney JA, O'Malley D, Crabtree BF. Understanding Family Relationships in Family Medicine Practices. (under review: JFBFM).

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, DiCicco-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?

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.

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 an upcoming book, "Social and Structural Factors Affecting the Health of Latino Males". Aguirre-Molina M, Borrell L, and Vega W (Eds).

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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.

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.

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).

Looney JA, O'Malley D, McDaniel RR, Cho JJ, Nutting P, Miller W, **Crabtree BF**. "Leaders and Leadership in the Primary Care Setting: Seeking a New Paradigm"

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."

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."

Invited Presentations

Cohen, DJ. Flocke, SE. Lawson, P. How teachable moments are co-constructed to deliver health behavior advice during primary care visits. To be presented at the American Academy on Communication in Health care, Charleston, SC, October 9-12, 2007.

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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.

Cohen D., PI. Prescription for Health Independence Evaluation Unit. Robert Wood Johnson Foundation; 2004-2009; 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; 2002–2008; 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.

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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) 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.

Hudson, SV (Evaluator) Susan G. Komen Breast Cancer Foundation North Jersey Affiliate, Education Grant, Use and evaluation of an ethnically-matched patient navigator to increase minority patient recruitment to breast cancer clinical trials, \$130,000, 04/01/07-03/31/09

This project seeks to increase participation by African Americans and Latinas in breast cancer clinical trials through use of an ethnically matched lay patient navigator at UMDNJ-NJMS and the University Hospital Cancer Center.

Hudson, SV (Evaluator) Susan G. Komen Breast Cancer Foundation North Jersey Affiliate, Education Grant, Moving Forward, \$130,000, 04/01/07-03/31/09

This project launches a new patient navigation program using an oncology nurse that educates eligible African American and Latino patients about cancer clinical trials and strives to enroll more minority and medically underserved patients in NCI clinical trials for breast cancer at Newark Beth Israel Hospital.

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.

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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”; 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.

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

A subcontract with the University of Colorado (Paul Nutting, Principal Investigator) is comparing the magnitude and timing of the intervention effects with a state of the art quality improvement effort that focuses on diabetes.

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.

Pending grant applications (submitted)

Cohen, DJ. Cardiovascular Disease Care and EMR Use in Community-Based Primary Care Research Practice. National Heart, Lung, and Blood Institute; 2008-2010; total project costs: \$429,001.

An ancillary grant to HL07800, this grant paves the way for innovative interventions to improve cardiovascular disease care by identifying strategies that support effective EMR use and high quality cardiovascular disease care in community-based primary care settings.

Crosson, JC (PI) “Organizational self-assessment to improve diabetes care in primary care practices.” National Institute for Diabetes and Digestive and Kidney Diseases. R34 resubmission 7/16/07. Proposed dates: 4/1/ 2008 – 3/31/ 2010. \$468,000 (total award)

Purpose: To test the feasibility of an organizational change intervention designed to improve adherence to evidence-based diabetes treatment guidelines in primary care by improving practice-level self understanding. Methods: We have adapted instruments developed in a series of funded studies for use in practice self-assessment. Six primary care practices will use these

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tools to assess existing diabetes care processes. Practices will use the organizational self-assessment findings to direct the development of a disease registry and integrate the use of the registry into existing workflow to improve processes of care that are tightly linked to intermediate outcomes. A field researcher will collect qualitative and quantitative data on the feasibility of the intervention, expenses associated with the process of registry development and use, and on the fidelity of the self-assessment process. We will assess diabetes care quality before and after the intervention through medical record review. Outcomes: Analysis of the feasibility study data will inform the development of a group randomized controlled trial of the intervention.

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

Update: This received a score of 169 and will be reviewed during the October council meeting for a funding recommendation.

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.