



# ANNUAL REPORT

2004-2005

**MUSC**  
FAMILY MEDICINE

# VISION AND MISSION STATEMENT

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## DEPARTMENT OF FAMILY MEDICINE MEDICAL UNIVERSITY OF SOUTH CAROLINA

### VISION STATEMENT:

The Department of Family Medicine strives to be recognized within the community, Medical University of South Carolina, and the nation as an innovative leader in clinical care, primary care education, and research.

### MISSION STATEMENT:

The mission of the Department of Family Medicine is to provide excellent and comprehensive interdisciplinary health care to individuals, their families, and the community. This focus on excellence in care will be blended with the educational needs of residents, medical students, and health professions students and the search for new knowledge that will enhance the practice of family physicians.

### DEPARTMENT OBJECTIVES:

The goals of the Department of Family Medicine are to:

- Manage a cost-effective clinical enterprise that values the patient-provider partnership in health care, provides access to underserved populations, and strives to maximize patient satisfaction and clinical outcomes.
- Provide residents and medical students skills necessary to deliver comprehensive health care based on the principles of evidence based medicine and the development of an empathic approach.
- Conduct investigations into common problems in primary care and the principles that form the foundation of primary care.
- Celebrate our successes both internally and externally while creating an atmosphere of mutual respect and enjoyment for students, employees, and faculty.

# BUILDING BRIDGES IN HEALTHCARE

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For those who have not been in the Charleston area for several years, 2005 has marked the opening of a fabulous new span that links Charleston with Mount Pleasant. In mid July, the entire region turned out to stroll over the new bridges and celebrate their completion with a monumental fireworks display. The two dilapidated structures that had offered an aging and sometimes perilous connection between these Charleston and communities east of the Cooper River are now in the process of being torn apart, destined to be sunk somewhere off the South Carolina coast where they will serve as breeding grounds for fish.

The new bridge is a beautiful structure that towers over the old rusty bridges and is visible from just about anywhere on the Charleston Peninsula. The eight-lane structure, with an additional 12 foot wide lane for walkers and bikers, makes the drive over the upper Charleston harbor a breeze. When accidents do occur (and there have been a few already), remaining drivers simply maneuver around the problem with little effect on the overall flow of traffic. What a pleasant change from the past when one disabled vehicle could easily bog down flow over the bridge for an hour or more.

The new bridge to Mount Pleasant reminds me that connectivity have as much to do with efficient and safe health care as it does vehicular traffic. The cornerstone of effective patient care is the exchange of information between the patient and her or his physician. Likewise, communicating information about the patient to others on the health care team such as nurses, consulting physicians, and hospitals, is just as valuable to assuring that patients get the best and safest care possible.

Yet, for much of the past eighty years our communication in health care has been on par with the old Cooper River bridges. Communication systems usually worked, but in places they were rusty, in other places a break-down could jam up the entire system, and in other places communication could be so faulty that it created dangerous conditions. Just like a new Cooper River bridge to bring commuters to Charleston more efficiently and safely, we need to figure out how we can do the same thing to improve patient communication with the health care system.

In our own offices, we have been pioneers with electronic medical record systems. Family Medicine has had a computerized medical record since the early 1970's. The Department started out on a home-grown system housed on a massive mainframe computer located in two large offices in our Calhoun Street



*Dr. Bill Hueston*

building. Faculty and residents in our office connected to this mainframe via dummy terminals situated throughout the building. Over time as computer systems shrunk in size, we were able to retire the mainframe and run our system off computers that are now linked throughout Charleston so that the same record serves our office downtown, our North Charleston office, and our East Cooper office. In addition, faculty members have tapped into the record from the nursing home or remote clinic sites on Johns Island. This connectivity assures that the latest information about patients is available to all our doctors all the time.

In addition, we have been working to extend the use of computerized communications beyond the medical

record. Patients can now set up appointments, request medical refills, and ask questions through secure email systems. Our physicians can complete referral information for consultants on-line that incorporates vital patient information such as the patient problem list, medications, and allergies automatically assuring that consultants will have the most accurate information to care for the patient. We also are testing ways to have patients with similar problems, such as those with diabetes or pregnant teenagers, participate in on-line chat groups where patients can ask questions, discuss lifestyle and coping issues, and get advice from their physicians.

And what do we see in the future? We'd like to see kiosks in our reception areas where patients can check in for their visits and confirm their insurance and personal information without having to wait for a receptionist. We'd like to see patients offered the ability to enter health information into their records via these kiosks and get personalized education based on their clinical problems. We'd also like to see patients given passwords that link to a section of their medical record so that they can access lab results and other information posted by their provider. If we can do these sorts of things in airports and banking, we should be able to accomplish the same thing in health care.

Building bridges has been a full-time job for thousands of people in Charleston in the last 5 years. In Family Medicine, we've been working on it for the last 30 years. And our work will not stop just because we come up with another way of creating a better linkage. The future of health care hinges more and more on effective and efficient communication. If we can find more ways to make this happen among the patient and health care team, we'll help make care better and safer.

# CLINICAL SERVICES IN THE DEPARTMENT OF FAMILY MEDICINE (2005)

THE CLINICAL SERVICE SECTION HAS RESPONSIBILITY FOR THE OPERATION OF TWO PHYSICIANS' OFFICES AND A THIRD WHICH WILL BE OPENING IN THE SUMMER OF 2005. WE ADMIT PATIENTS TO TWO HOSPITALS, AS SHOWN IN THE ACCOMPANYING TABLE.

**TABLE. CLINICAL SERVICE SECTION BY THE NUMBERS:**

	MUSC Family Medicine Center	University Family Medicine
Office visits FY 2005:	27,700	22,600
New Patient Visits	1600	1500
	MUSC Medical Center	Trident Regional Medical Center
Hospital Admissions	517	1019

But those are just statistics. What really makes the Clinical Service Section work are our personnel – staff, faculty, residents and, most importantly, our patients. In this year’s report, we will be focusing on the Medical Director of each office, including our office which opened in August 2005, East Cooper University Family Medicine, are highlighted in the information which follows.

## UNIVERSITY FAMILY MEDICINE AT THE TRIDENT FAMILY MEDICINE CENTER

This practice was begun in March 1997 and in 1999 moved to our 24,000 square feet two-story building in North Charleston, the Trident Family Medicine Center, across from the emergency room entrance at Trident Regional Medical Center. University Family Medicine serves as our resident outpatient family medicine training site provided in partnership with Trident Medical Center.

### MARIA V. GIBSON MD, PHD

Dr. Gibson has been Medical Director at this facility since 2003. This talented woman understands five languages and speaks three fluently. This is in part, a benefit of her growing up in Russia, where she completed medical training with a residency in obstetrics and gynecology. She served on the faculty of the Tomsk Medical School in Tomsk, Russia for five years before emigrating to the United States. Following emigration, Dr. Gibson completed residency training as a family physician at Duke University in 2002, after which she joined our faculty.

Dr. Gibson’s clinical interests include women’s health issues, cancer prevention, health promotion, and understanding cultural diversities in medicine. She has completed scholarly work on subjects including management of abnormal Pap smears, pelvic pain, abnormal uterine bleeding and breastfeeding.

Dr. Gibson also has a very active lifestyle which includes jogging, power yoga, weight lifting, skiing, traveling with her children in the U.S., Europe and Asia, and improving her dancing skills. Her dream for now would be to take tango classes in Argentina – Ole! As you might expect, Dr. Gibson is a favorite of our staff at this office.

## MUSC FAMILY MEDICINE CENTER

This office on Calhoun Street in downtown Charleston, adjacent to the MUSC campus, is housed in a 30,000 sq. ft. former nursing home. Half the space is used for clinical activities and served for many years as the site for training our family medicine residents.

As residents were transitioned to their new office location in North Charleston at University Family Medicine in the late 1990’s, faculty physicians, fellows, a physician’s assistant and nurse midwives have been seeing patients at this facility.



Our downtown office also offers same day service that provides care for any patient between 8:30-11 in the morning or 1- 4 in the afternoon without an appointment along with traditional scheduled visits for patients.

This year our MUSC Family Medicine Center underwent extensive interior renovations and refurbishing, and sports a clean, fresh and modern appearance that has garnered the approval of patients, staff and providers. A key person in leading this important change has been our medical director,

**C. CAROLINE THIEDKE MD**

Dr. Thiedke, a native of Norfolk, VA and Charleston SC, obtained her BS from Furman University, with a major in biology. She received her MD from MUSC and completed her residency training in Family Medicine at MUSC, where she was chief resident in her final year. She opened a private practice in suburban Charleston and practiced there for 10 years before returning to the Department as a faculty member. In our Department she has served as the course director of the Longitudinal Patient Care Experience, a first year medical students’ course that teaches interviewing skills and provides opportunities for patient care in the community. In addition, she was the site director for the 3rd year medical student clerkship in Family Medicine.

In 2004, Dr. Thiedke became the medical director of the MUSC Family Medicine Center, our downtown Charleston site. Dr. Thiedke also serves as a board member of the magazine, Family Practice Management, and maintains an interest in physician-patient relationships and practice management. She has written extensively on issues pertinent to women’s and children’s’ health.

Dr. Thiedke and her husband, Fred Thompson,

are the parents of two college-age young men. She is an active community and church volunteer and enjoys cooking, quilting, sewing, and other crafts. Her favorite activity is gathering around the dinner table with her family to share a meal and conversation about movies, politics, music, and current events.

Dr. Thiedke is working hard with her staff and colleagues to have the MUSC Family Medicine Center meet the *Future of Family Medicine* goals. She looks forward to the day when many of the current barriers to health care are lessened by a partnership between patients, their physicians, and communities using all the available technologies of the 21st century.

**EAST COOPER UNIVERSITY FAMILY MEDICINE**

Our newest office site opens in the summer of 2005. This office shares space provided by East Cooper Community Outreach, a consortium of community services located in a building across the street from Laing Middle School in Mt. Pleasant. This area has become the center of this rapidly growing suburban area.

**WANDA C. GONSALVES MD**

Dr. Gonsalves completed her medical training and residency in Family Medicine at the University of Kentucky. She obtained a certificate in medical management from the University of Kentucky in 1999. After a distinguished career in the Department of Family Medicine at the University of Kentucky, Dr. Gonsalves joined our faculty in 2003.

Dr. Gonsalves has served on the Curriculum Committee for medical students at our institution. She is a recipient of the American Academy of Family Physician’s Exemplary Teaching Award for Full Time Faculty in 2004. Her focus has been on minority health and service learning opportunities for medical students, an interest that led to a highly successful, student-run, free medical clinic while at the University of Kentucky.

Dr. Gonsalves plans to use her experience with service based learning for medical students at our newest office. While open each weekday for the full range of patients, during two evenings of the week Dr. Gonsalves will be developing at our East Cooper University Family Medicine office a student-run, free health clinic with faculty preceptors from MUSC, similar to the one she successfully organized at the University of Kentucky.

Dr. Gonsalves hopes that the new community collaboration with East Cooper Community Outreach will be successful, and that our medical students develop a new sense of responsibility for their community.

In her free time, Dr. Gonsalves loves to spend time with her husband and grandchildren, travel, and shop for her new home in Mt. Pleasant.



**Ruth Peterson, LPN and Stella Seels, LPN in the newly remodeling clinical wing at the Calhoun Street office.**

# PREDOC UPDATE

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The Department of Family Medicine makes several important contributions to the education of medical students at MUSC. Students work with faculty members in family medicine in all 4 years of the curriculum. In addition, several faculty members have leadership roles in required courses in the first 3 years of the curriculum. An overview of these contributions follows.

## YEAR 1

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### DOCTORING CURRICULUM

Dr. Robert Mallin continued to serve as director of the Doctoring Curriculum for 1<sup>st</sup> year medical students. During the past few years, he helped to oversee better coordination among these introductory clinical medicine courses and the basic science curriculum. He has led the way in improving students' physical examination skills by introducing this training early in the 1<sup>st</sup> year. Starting with this new academic year, after six years at the helm, Dr. Mallin has decided to step down as Doctoring Curriculum director. Dr. Mallin's tenure as one of the founders and leaders of the Doctoring Curriculum will be remembered for his creativity and perseverance in establishing and nurturing the Doctoring Curriculum through its infancy.

### LONGITUDINAL PRIMARY CARE EXPERIENCE (LPCE)

Drs. Wanda Gonsalves and Todd Detar now direct the LPCE course, a Doctoring Curriculum 1<sup>st</sup> year course that continues the entire year. Students learn and practice interviewing skills, both in community practices with regular patients and in the classroom with Standardized Patients, actors trained to portray certain roles. Students also learn about special topics such as sleep and geriatrics, while studying the organization and business side of medical practice.

### BIOCHEMISTRY SELECTIVES

During the medical students' 1<sup>st</sup> year Biochemistry course, the Department contributes to sets of educational sessions called Selectives that meet weekly for 10 weeks. Students choose such Selectives as the one led by Dr. Albert Keller – "Evolution and Co-creation: Why Science and Religion Need to Talk." Dr. William Simpson teaches a Selective on "Medicine and the Environment" that covers such topics as pesticide toxicity, water quality, insect-borne diseases, and plant pathology. In addition, Dr. Peter Carek lectures on "The Biochemistry of Exercise: Fuel for Thought" within the Biochemistry course.

## YEAR 2

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### INTRODUCTION TO CLINICAL ETHICS

Dr. Albert Keller serves as co-director of a 2<sup>nd</sup> year, 1<sup>st</sup> semester course required of all medical students, Introduction to Clinical Ethics. This Doctoring Curriculum course gives students a solid background in ethical decision-making prior to their clinical years.

### INTRODUCTION TO CLINICAL MEDICINE / EVIDENCE BASED MEDICINE

Drs. Bill Hueston and Richelle Koopman co-direct this 2<sup>nd</sup> year Doctoring course. This second semester course helps students to generate and refine differential diagnoses that include both the most likely diagnoses and those that carry a high risk of morbidity or mortality. Students also learn how to use evidence, how to analyze and apply findings from research studies back to the clinical care of patients.

### CARING FOR THE COMMUNITY

Dr. Todd Detar led the creation of a new elective, a Service-Learning course that was offered in the spring. Students learned about the health care system and disparities, and spent time in faith-based medical clinics in the greater Charleston area. Dr. Wanda Gonsalves, Dr. Donna Kern and Ms. Joni Strom helped create this course, along with Drs. Andy White and Valerie West from outside the department.

During this elective, students devote clinical time to working in a number of faith-based clinics throughout the Charleston area. In addition to these local sites that are not affiliated with MUSC, Dr. Wanda Gonsalves led the creation of a new student-run free clinic that is housed at East Cooper Community Outreach (ECCO) in Mount Pleasant. Medical students are gearing up for the coming year to offer free medical care on a couple of evenings per week.

## YEAR 3

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### THE NEW FAMILY MEDICINE / RURAL CLERKSHIP

Beginning in July 2003, the Department assumed leadership for a combined 2-month clerkship required for all 3<sup>rd</sup> year medical students. Students spend 8 weeks in rural practice settings, where they can learn from superb clinicians and partner with AHEC, DHEC, and community leaders and organizations to plan and implement community-wide health improvement projects.

Students value this training highly, and granted this course one of the highest satisfaction ratings for a clerkship. Students enjoy the autonomy provided within the context of a two-month long relationship with a preceptor in rural practice. Unlike the usual university hospital-based clerkship, this course

places students in settings where they can work one-to-one with skilled clinicians, without competing with residents for training opportunities. Centered within these communities, their preceptors provide in-depth learning about the practice of medicine, within the context of family and community.

Orientation and mid-clerkship activities include workshops held in Charleston. MUSC faculty members provided practical, hands-on training in managing diabetes, asthma, and hypertension. A Motivational Interviewing workshop prepared students to help patients quit tobacco use. Other workshops cover skin suturing, musculoskeletal physical exam, basic interpretation of EKGs. Care of the older patient is also covered.

The residency program faculty at Anderson and Greenwood offered a highly regarded procedural skills workshop to these clerkship students. Most students chose to attend these workshops, where they learned about such procedures as line and tube placement, colposcopy, colonoscopy, and exercise stress testing.

## YEAR 4

### CONTRIBUTIONS TO THE 4<sup>TH</sup> YEAR PSYCHIATRY CORE CLERKSHIP

During the medical students' 4<sup>th</sup> year Psychiatry required clerkship, Dr. Dana King contributes to a monthly case-based seminar on "Spirituality and Mental Health." Students discuss cases involving spirituality and health, including a patient who has had a myocardial infarction and is dealing with anxiety and spiritual concerns, a schizophrenic patient who thinks he is a religious figure, the ethics of volunteer medical clinics and missions sponsored by religious organizations, and a patient dealing with the stress of terminal illness.

### FAMILY MEDICINE EXTERNSHIP (ACTING INTERNSHIP)

The Department continues to offer an excellent educational experience, that satisfies a 4<sup>th</sup> year medical student's requirement to complete an Externship, also known as an Acting Internship. The Externship allows 4<sup>th</sup> year medical students to perform as if he/she were an intern, on the busy Trident Hospital Family Medicine service.

### 4<sup>TH</sup> YEAR ELECTIVE COURSES

Dr. William Hueston directed a Medical Delivery Systems elective for 4<sup>th</sup> year medical students. This seminar series ran from August through March to address topics such as insurance and payment systems for health care, the health care workforce, components of the American medical system, quality of care, and some aspects of personal and professional financial management for physicians. Thirty-six students participated in the elective during the 2004-5 academic year.

Dr. Dana King teaches a popular 4<sup>th</sup> year elective entitled "Clinical Medicine, Spirituality and Health". The elective offers clinical spiritual history-taking experience, in-hospital

rounding with chaplains, and relevant readings in spirituality and health.

Dr. Peter Carek offers a one-month elective in Sports Medicine for 4<sup>th</sup> year medical students. Students often seek out this elective not only to develop assessment and management skills in this area, but also to consider a career track that includes a Sports Medicine focus.

### OTHER ACTIVITIES OF THE DEPARTMENT IN MEDICAL EDUCATION

#### THE HOMELESS SHELTER MEDICAL CLINIC

Faculty members Drs. Robert Mallin, William Simpson, and David Garr and several family medicine resident physicians served as preceptors at the clinic during the past academic year. The students appreciate the teaching and support provided by the Department, and the FM residents have enjoyed the teaching role greatly.

#### STUDENT DEVELOPMENT AND DIVERSITY PROGRAM (SDDP)

Dr. David Garr, in his role as Executive Director of the SC AHEC, has helped to oversee the Student Development and Diversity Program (SDDP). The SDDP seeks to attract and support high school and college students' interest in careers in the health professions. A number of the students who have participated in this program over the years have graduated from the College of Medicine at MUSC.

#### STUDENT RESEARCH

Dr. Arch Mainous has continued to sponsor medical students who participate in research projects in the summer between 1<sup>st</sup> and 2<sup>nd</sup> years. As an example of that successful program, Dr. Mainous, Dr. Richelle Koopman and a summer research program medical student published the results of one student's labor: Koopman RJ, Mainous AG III, Jeffcoat AS. Moving from Undiagnosed to Diagnosed Diabetes: The Patient Perspective. *Family Medicine* 2004;36:727-732.

Dr. Steve Ornstein also welcomes first year medical students working with his research group on quality of care. This summer Dean Kubacz worked with Dr. Ornstein's group on a number of activities.

#### STUDENT ELECTIVE COURSES

Dr. Albert Keller offered five elective courses last year: Complementary and Alternative Medicine (CAM), Faith / Spirituality in Medicine, the Narrative Heartbeat of Medicine (Medicine and Literature), "Humanities Intensive: Death in Human Experience," and Life Force: Archetypes and Historical Origins of Western Medicine in Ancient Greece. Students from many colleges participate in these courses.

# TRIDENT / MUSC FAMILY MEDICINE RESIDENCY PROGRAM

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As with any residency program, the coordinator serves a vital role as they balance the needs and requirements of both faculty and residents. For the past 8 years, Holly Boggan has served the program in this capacity. Early last year, Holly resigned her position and, fortunately for the program, accepted a position as the data analyst for our Title VII Training Grant Project. To fill this vacancy, we were able to recruit Melissa Matthews, MPA. Melissa has experience working at MUSC and has been working diligently on improving the program based upon the successes of her predecessor.

Building upon the success of another program faculty member, Maria Gibson, MD, PhD, a residency faculty member and medical director for the University Family Medicine practice, has provided an increased level of energy to the patient care activities of the residency program. In recognition of her efforts on their behalf, the resident class of 2005 honored her with the Annual Golden Oyster Award for Excellence in Residency Education.

In a demonstration of their gratitude for the work of other faculty and preceptors, the residents presented several other teaching awards. Clive Brock, MBChB received a special recognition for his outstanding commitment and dedication to quality resident education. Christian Graf, MD and Eric Rowley, MD, emergency room physicians with the Trident Health System, received the Hospital Teachers of the Year Award for excellence and dedication to quality resident education. Terry Steyer, MD, a faculty member who recently transferred from the research section to the residency program, was presented with the Developing Faculty Award. This award is given to a junior faculty member who has demonstrated commitment and excellence in resident education. Finally, William Sheldon, MD received the Rotational Preceptor of the Year Award for Excellence and Dedication in Quality Resident Education.

Resident awards were also presented during the graduation ceremonies. Amy Black, MD was awarded the Outstanding Resident of the Year honor, an award sponsored annually by the South Carolina Chapter of the American Academy of Family Physicians. The Society of Teachers of Family Medicine Annual Resident Teacher of the Year Award was presented to Ann Rodden, DO. Dr. Rodden was a favorite among the junior residents and medical students. Drs. Rodden and Black received Chief Resident awards for Outstanding Leadership.

Regarding the individual members of the residency class of 2005 (see below), a majority of them have decided to remain in South Carolina following graduation. We thank them for being part of our family and wish them the best with their careers.

<u>Resident</u>	<u>Location</u>
Amy Black, MD	Summerville, SC
Henk Burger, MD	Summerville, SC
John Freddy, MD, PhD	MUSC (Faculty, Department of Family Medicine)
Ivar Frithsen, MD	MUSC (Fellow, Department of Family Medicine)
Priscilla Holtzclaw, MD	Mt. Pleasant, SC
Wendy Miller, MD	Florence, SC
Ann Rodden, DO	MUSC (Fellow, Department of Family Medicine)
Shay Sabom, MD	Atlanta, GA
Julie Stephens, MD	Charleston, SC
Sarah Taylor, MD	Winston-Salem, NC
Rick Wall, MD	Sumter, SC
Johnny Weeks, MD	Charleston, SC

The Trident / MUSC Family Medicine Residency Program, an educational partnership between Trident Medical Center and the Medical University of South Carolina, continues to be a “bridge” between a community hospital and a tertiary care academic medical center. With a foundation in a large community medical center and the opportunity to rotate in a tertiary care hospital with its modern technology, this community-based, university affiliated residency program continues to attract excellent family medicine residents to the Charleston area.

As a requirement for the program, upper level residents are required to participate in a scholarly activity. This activity results in a presentation during Resident Scholars Day conducted each June. The following projects were presented:

- Quality Improvement Utilizing Point of Care INR Testing in a Group Practice (Curtis Franke, MD) – **Voted Best Quality Improvement Project**
- Knowledge, Perceptions, and Practices Regarding Tanning, Sun Protection, and Skin Cancer among Young Adults in a Southeastern Coastal Population (Sarah Taylor, MD)
- Effect of Point of Care Diabetic Testing in a Large Residency Program (Priscilla Holtzclaw, MD)
- Analysis of Practice Trends and Procedure Training: Which Procedures Should Be Taught in a Family Medicine Residency? (William M. Tucker, III, MD)
- Screening for HIV in a Residency Practice (Nabeel Saeed, MD)
- Oral Health Care at University Family Medicine Residency Program (John Hetlinger, MD)
- Standardized Diagnosis of Adult Attention Deficit Hyperactivity Disorder in the Primary Care Setting (Cathy Hurray, MD and Daniela Wright, DO)
- Does Fingernail Polish Affect Pulse Oximeter Readings? (Ann Rodden, DO and Leigh Spicer, MD) – **Voted Best Research Project**
- Cholesterol Screening in Asymptomatic Young Adults (Craig Koniver, MD)
- Improving Health Care in a Given Patient Population (Shay Sabom, MD)
- PTSD Screening Test Characteristics within Primary Care Settings (John R Freedy, MD, PhD)
- The Effect of Balint Training on Physician Burnout (Wendy Miller, MD)
- Knowledge and Attitude of Fish Consumption Advisories among Sport Fishermen in a Southeastern Coastal Community (Ivar Frithsen, MD)

- The Appropriate Treatment of Adolescent Obesity in Family Medicine (Patrick Meehan, MD)

This past year, many of the second and third year residents presented their projects during the Hickory Knob Symposium, sponsored by the South Carolina Area Health Education Consortium (SC AHEC). This symposium provided residents from the programs affiliated with SC AHEC an opportunity to present a brief 10-minute scholarly presentation. Presentations were categorized into the following areas: basic research, clinical review, case report, or quality improvement. Topics focused on any area of interest to a primary care audience (e.g., patient care, preventive strategies, practice-based systems of care, or resident education). The presentations were judged and awards provided to the winner in each category. Priscilla Holtzclaw, MD, a third year resident, received the award for the best quality improvement project (“Effect of Point of Care Diabetic Testing in a Large Residency Program”). Ann Rodden, DO, another third year resident, received the award for the best research project (“Does Fingernail Polish Affect Pulse Oximeter Readings?”).



Residency Staff - Stephanie Brown, Holly Boggan, (left to right standing) Melissa Mathews (seated)

# MUSC RESEARCH SECTION ANNUAL REPORT 2004-2005

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The Department and the Research Division continue to focus on showcasing scholarly activity and research to improve the national reputation and recognition of the Department and Division as a leader in family medicine research. The 2004-2005 academic year has been one in which the Division has had continued success in visibility at professional meetings and through sustained federal grant funding. We are making great strides toward our goal of becoming visible to people around the country as leaders in family medicine research.

## GRANT FUNDING

The division has been very successful in continuing its goal to advance in our ranking of NIH funding for family medicine departments. As of the data released this summer, the Department is now ranked 20<sup>th</sup> among departments of family medicine in NIH funding.

Included in the NIH funding at our Department is Dr. Dana King who is currently in the second year of funding of an R01 grant from the National Heart, Blood and Lung Institute for a \$1.28 million study looking at the relationship between a high fiber diet and C-reactive protein, a marker for inflammation of the heart's blood vessels. Arch Mainous, PhD is completing his second year of funding of an R21 grant for \$292,000 from the National Institute of Diabetes, Digestive and Kidney Diseases to study whether any differences exist in the care of diabetes in minorities between the universal access health care system in the United Kingdom with the market-based health care system in the United States. In addition, Dr. Richelle Koopman received an R21 grant for \$146,000 from the National Institute of Diabetes, Digestive and Kidney Diseases to study predictors and co-morbidities in people with undiagnosed diabetes. Dr. Steve Ornstein serves as the Principal Investigator on an NIH grant (awarded to Physician Microsystems, Inc.) that is attempting to improve the care of patients with heart disease risk factors in practices in the Practice Partner Research Network (PPRNet). Dr. Orstein also serves as the co-Principal Investigator on a grant to improve the detection of alcohol abuse in patients with hypertension in PPRNet.

In addition to NIH funding, the department also has been successful in acquiring funding from non-NIH sources. Dr. Vanessa Diaz was awarded a four-year grant from the Harold Amos Medical Faculty Development Program from the Robert Wood Johnson Foundation to evaluate the relationship of BMI, dietary factors and physical activity to cardiovascular fitness and cardiovascular risk in AA, Latinos and Caucasians using primary data collection. Further, the department currently holds several on-going awards from the Health Resources and Services Administration in the areas of predoctoral education, academic administrative infrastructure, and residency. The faculty development fellowship grant was successfully refunded

providing funding for 3 new fellows per year for each of the next 3 years beginning July 1, 2005.

## PROFESSIONAL MEETINGS

The Research Section had an impressive year in disseminating research results at major family medicine professional meetings and in the literature.

The Research Section continued its trend of outstanding showing at the 2004 North American Primary Care Research Group (NAPCRG) annual meeting, an international primary care research organization with close to 600 attendees at the meeting in Orlando, Florida. This meeting has a variety of presentation formats including peer-reviewed original research presentations. The Section had a total of 10 faculty members who presented and/or co-authored 9 original research presentations. In addition, 2 faculty members co-presented a workshop on protecting research participants in research commonly performed by family medicine investigators. Of particular note, Heather Liszka, MD, a fellow in the Research Section at that time, received one of the six Distinguished Paper Awards for her presentation on prehypertension and cardiovascular morbidity. Richelle Koopman, MD, also received one of the six Extended Paper sessions for her presentation on undiagnosed diabetes and the patients' perspective.

Not only are the Research Section faculty active in conducting and presenting primary care research, they are participants in the planning processes and leadership roles associated with these national meetings. Dr. Arch Mainous, Director of Research, continued his role for the second year as Chair of the Program Committee and Dr. Dana King was added to the Program Committee for NAPCRG. Also, Dr. Vanessa Diaz was added to the Communications Committee for NAPCRG. Lastly, Dr. Richelle Koopman was appointed to the Research Committee for the Society of Teachers of Family Medicine (STFM).

Several members of the Research Section also presented papers at the 2005 annual meeting of STFM in New Orleans, Louisiana. Seven division members participated in the meeting by presenting and/or co-authoring five research papers on a diverse list of topics including insulin resistance and ethnicity, antibiotic use by Latinos, prostate cancer and sexually transmitted diseases, coronary heart disease and multiple lipid measures, and acanthosis nigricans in type 2 diabetes. It is important to note that STFM is competitive in their selection of papers for original research podium presentations. Only 40 papers are selected each year and this is the second year in a row that the MUSC Department of Family Medicine has accounted for more than 10% of all the original research podium presentations at this national meeting that has 1,000 attendees.

Members of the Research Section were not only visible at the national meetings aimed at primary care research,

but showcased an international presence as well. Among these was Dr. Arch Mainous who gave a presentation on the results of a survey of general practitioners in England, the Netherlands, and the United States at the 2004 Annual Scientific Meeting of the Society for Academic Primary Care in Glasgow, Scotland.

#### **Publications**

The department was again extremely active in the 2004-2005 year with regard to producing publications. The faculty authored 56 peer reviewed publications, 2 books, 7 chapters, and 1 monograph.

#### **Media**



The Research Section has also been very visible in the media with a variety of media outlets showing substantial interest in our scholarly work. For example, some research conducted by Dr. Richelle Koopman on changes in age at diagnosis for diabetes led to several interviews and a subsequent article in Diabetes News, published by the American Diabetes Association. Dr. Arch Mainous conducted several studies

on the combination of body iron stores, dietary iron and lipids on the risk of cancer. These studies were incorporated into articles on the Reuters news service and led to a live ABC News webcast discussing the studies. On a more local level, Dr. Mainous's work

## CURRENT GRANT FUNDING

#### **Peter J. Carek, MD**

1 D58HP03371-01-00 7/1/04—6/30/07 \$491,066  
Health Resources and Services Administration  
Residency Training in Primary Care

#### **Alec Chessman, MD**

1 D56HP03357-01-00 7/1/04—6/30/07 \$525,015  
Health Resources and Services Administration  
Pre-Doctoral Training in Primary Care

#### **Vanessa A. Diaz, MD**

051896 1/1/05—12/31/08 \$365,000  
Robert Wood Johnson Foundation  
Evaluating the Relationship Between  
Race/Ethnicity and Cardiovascular Risk

#### **David Garr, MD and William Simpson, MD**

9/1/03—8/31/05 \$1,114,961  
Bioterrorism Training & Curriculum Development Program  
Health Resources and Services Administration

#### **William J. Hueston, MD**

2 D12 HP 00023-04 9/1/03—8/31/06 \$506,213  
Health Resources and Services Administration  
Academic Administrative Units in Primary Care

#### **Dana E. King, MD**

1 R01 HL076271-01 7/1/04—6/30/07 \$926,556  
NHLBI  
Dietary Fiber and Cardiovascular Inflammatory Markers  
AstraZeneca 1/1/04—12/31/05 \$114,305  
Beta Blocker Treatment with TOPROL-XL to Reduce CRP in High Risk  
Patients with Hypertension, Angina, and/or Heart Failure.

#### **Richelle J. Koopman, MD**

1 R21 DK067130-01A1 9/30/04—2/28/05 \$146,000  
NIDDK  
Undiagnosed Diabetes: Predictors and Comorbidities

#### **Arch G. Mainous, III, PhD**

1 D55HP05150 7/1/05-6/30/08 \$344,857  
Health Resources and Services Administration  
Family Medicine Faculty Development Fellowship

1 P30 AG21677-01 9/30/02—8/31/07 \$395,867  
National Institute on Aging  
SC Cooperative for Healthy Aging in Minority Populations  
RCMAR Measurement Core

1R21DK66066-01A1 7/1/04-6/30/06 \$200,000  
NIDDK  
Racial Disparities in Diabetes in the US and the UK

#### **Steve M. Ornstein, MD**

5 U18 HS13716 9/30/02-9/30/06 \$396,613  
AHRQ  
Accelerating TRIP in a Practice Based Research Network

1 R25 AA015066-01 7/1/04—6/30/06 \$1,000,855  
(Co-Principal Investigator)  
NIAAA

Facilitating Alcohol Screening of Hypertensive Patents  
1 R01 HL077841 7/1/03—9/30/05 \$255,500  
(Co-investigator)

NHLBI  
DTC Advertising Effect on Adherence to Statin Therapy

#### **William Simpson, MD**

CDC 9/1/04—8/31/05 \$15,247  
Proposal for Cancer Prevention and Control

#### **Terrence E. Steyer, MD**

1 R01 HL077841 7/1/03—9/30/05 \$255,500  
(Co-investigator)  
NHLBI

DTC Advertising Effect on Adherence to Statin Therapy

1 R03 HS014075 7/1/04-6/30/05 \$100,000  
(Co-investigator)  
AHRQ

Correcting Under-Reporting in HCUP Inpatient Data

# COMMUNITY SERVICE SUMMARY

Two years ago, as part of the Strategic Planning process of the Department of Family Medicine, the Department faculty and leadership decided that the tradition of community service that existed in our Department should be expanded. While several members of our Department were involved with health care agencies and other social service groups, the Department wanted to encourage additional faculty involvement and include residents and students in the activities in which we participated.

So, as part of the 2003 Department Strategic Plan, the Department decided to devote 1,000 hours per year (about 0.5 full time equivalent faculty member) in service to the community. The Department faculty decided that service was an essential part of our mission and that faculty members could elect to provide community service during their non-clinical time during a working week or take compensatory time off for volunteer efforts donated during usual non-working hours.

For the past two years, Department faculty have been involved in a wide range of community activities designed to improve the health care and living conditions of the less fortunate in the Charleston area. The range of services in which faculty have participated is shown in the Box.

## SOME OF THE SERVICE GROUPS WITH WHOM FACULTY HAVE WORKED

**Crisis Ministries Health Clinic**

**SC Aquarium**

**St. Andrews Episcopal Church Medical Clinic**

**Trident United Way**

**Child and Family Development Center**

**HALOS (Helping and Lending Outreach Support) for children in DSS custody**

**Reach out and Read**

School volunteer work for middle schools (summer student tutoring), high schools (sports physical examinations), and local colleges (sports medicine coverage)

This past academic year faculty in the Department of Family Medicine have documented 922 hours of service for these and other organizations in the Tricounty area. Thirteen of the twenty-two faculty members have reported their service in these groups. Since many people devote additional time to community activities outside the normal working hours, this probably represents only a fraction of what faculty contribute to our community.



The Department faculty also support community service in the Lowcountry through participation in the Trident United Way Day of Caring. The past two years, faculty members have taken a half day during the annual Day of Caring and performed service in the Charleston area. This past September, faculty members groomed the schoolyard at Memminger Elementary School in downtown Charleston working alongside volunteers from AmeriCorps.

In addition to faculty involvement, residents in the Trident/MUSC Family Medicine residency program also have provided service to others. Residents have provided sports medicine services at the College of Charleston and participated in sports medicine screening physicals for area high schools, provided medical coverage for the Cooper River Bridge Run and the Family Circle Tennis Tournament, volunteered at the Crisis Health Ministry, and collected toys for the Salvation Army Christmas Toy Drive. In addition, the residents provided a holiday luncheon for our patients at University Family Medicine.

With the establishment of the MUSC Cares student-run free clinic at the Department's East Cooper University Family Medicine site, many more faculty members will become involved with providing volunteer services to the community. Next year, we have no doubt that our Department will pass our goal of 1,000 volunteer hours. We see this service as an important role as faculty members as well as an important investment in our community.

## EAST COOPER UNIVERSITY FAMILY MEDICINE OFFICE OPENS

The East Cooper area on the other side of the soaring new Arthur Ravenel Bridge from downtown has grown tremendously in the past twenty years. This area, which includes Mount Pleasant, Sullivan's Island, and the Isle of Palms, and other communities in eastern Charleston County, is one of the most prosperous areas in all of South Carolina with a population currently pushing the 80,000 mark. Unfortunately, among the affluence of this area it is hard to appreciate that there remain significant pockets of economic hardship. These financially strapped families are often overlooked among the new subdivisions springing up east of the Cooper River. But the East Cooper Community Outreach (ECCO) organization knows them well.

Monsignor James A. Carter, pastor of Christ Our King Catholic Church, founded ECCO in the immediate aftermath of Hurricane Hugo in 1989 as an ecumenical and community supported organization. Early members and supporters of ECCO included Dr. Victor Del Bene, who served for many years as the Associate Dean for Students at MUSC. The goal of this organization was to provide essential services for the poor to help them get back on their feet after the hurricane. However, in the wakes of the crises, it was clear that many families in the East Cooper area had deep long term needs. ECCO has been providing clothing, household furnishings, emergency food supplies and dental care; access to needed prescription medicines and a range of referral services in partnership with other organizations and agencies for the underserved since then.

Recently, ECCO moved from a small, outdated facility to a new building on Six Mile Road across from the Laing Middle School in Mount Pleasant. This beautiful new facility was constructed and paid for through the generosity of a number of community leaders, businesses and foundation gifts. It houses a community food pantry, donated furniture, clothing and house wares, a nursing office to provide prescription assistance, a free dental clinic staffed by MUSC dental students two evenings per week, and hosts a number of community service organizations and agencies that utilize the building to center assistance for the needy both east of the Cooper and the Tri-County area.

In spite of all that, the facility had 1,000 unfinished square feet that director Rick Leary was hoping to put to good use. He



*Drs. Wanda Gonsalves, Cleve Hutson, Todd Detar (left to right)*

just needed a good idea.

The good idea blossomed when Drs. Wanda Gonsalves and Todd Detar visited ECCO to inquire about establishing a student-run free clinic to operate in tandem with the student dental clinic. When Drs. Gonsalves and Detar were shown the open space, they immediately began to think about the need for an office that could provide medical service to Medicaid and other underserved populations in the East Cooper area. Their idea was embraced by the board of ECCO, and the Department of Family Medicine entered into a cooperative agreement with ECCO to take this space and build a medical office.

The construction of the new clinic, named the East Cooper University Family Medicine, was a collaborative venture. Funding was provided by the Department of Family Medicine with generous assistance by the Dean of the College of Medicine. Lonnie Long from MUSC's facilities and management helped members of the Department design the interior of the building. Finally, Complete Building Corporation, the contractors who also built the ECCO facility, completed the clinic in less than three months. The doors opened on August 1, 2005.

In addition to providing a space where the Department can provide services to Medicaid recipients from East Cooper, the clinic also will serve as the home of the student-run free clinic. Beginning in September, students will be seeing patients in the clinic on Tuesday and Thursday evenings. Faculty members from the Department of Family Medicine and others within MUSC and the community have volunteered to serve as the physician on duty during these free clinic sessions.

In the next year, we plan to begin resident rotations in

## SPOTLIGHTS

This section highlights leadership positions, national presentations, and other accomplishments by our faculty and alumni over the past year:

## AWARDS AND HONORS

Bill Simpson, MD, Professor and Director of the Agromedicine/Public Health Section, was selected as the South Carolina Academy of Family Physicians 2004 Family Physician of the Year. Dr. Simpson received the award at the South Carolina Academy of Family Physicians Annual Meeting in Hilton Head this past November. Dr. Simpson also is one of 5 national finalists for the national Family Physician of the Year which is selected by the American Academy of Family Physicians.

Bert Keller, DDiv, was selected to receive the MUSC Health Science Foundation Community Service Award for 2005. The award was presented at the MUSC Fall Convocation in August, 2005.

Wanda Gonsalves, MD, has been selected to receive the University of Kentucky Community Service Award. Before coming to MUSC in 2003, Dr. Gonsalves was instrumental in establishing the medical student-run free clinic in Lexington. The Award was presented at the UK Homecoming in October, 2005.

Kelly Ragucci, PharmD, Associate Professor of Pharmacy Practice and Family Medicine, has been elected to be a Fellow in the American College of Clinical Pharmacy. Kelly will be installed as a fellow during the ACCP Annual Meeting in October, 2005.

Maria Gibson, MD, PhD, received the Golden Oyster Award from the graduating residents on 2005.

## LEADERSHIP POSITIONS

Terry Steyer, MD, Assistant Professor, is continuing as Chair of the Legislative Affairs Committee of the Society of Teachers of Family Medicine and as a board member on the Board of Directors of STFM.

Peter Carek, MD, Professor and Residency Director, serves on the Board of Directors of the Association of Family Medicine Residency Directors. Dr. Carek was elected to the position of Treasurer of the Board of Directors of the Annals of Family Medicine journal at their meeting in August, 2005. In addition to serving as AFMRD representative to that board, Dr. Carek also is the AFMRD liaison to the Board of Directors of the North American Primary Care Research Group.



Dr. Bill Hueston, Professor and Department Chair, was elected President-Elect of the South Carolina Academy of Family Physicians. Dr. Hueston will become President of the SCAFP in November, 2005. During this past year, Dr. Hueston served as chair of the Scientific Program Committee for the SCAFP.

Alec Chessman, MD, has been appointed to the editorial board of MedEdPORTAL, the web-based and peer-reviewed site for medical educational material sponsored by the Association of American Medical Colleges. Dr. Chessman represents the undergraduate medical student education section of the AAMC on the MedEdPORTAL board. Dr. Chessman also was appointed to the Advisory Board of the Family Medicine Digital Resources Library (FMDRL). Funded by a grant from the National Library of Medicine, the FMDRL project strives to meet the needs of family medicine educators, with this web-based and peer-reviewed database of educational material.

Dana King, MD, was appointed Editor of the International Journal of Psychiatry in Medicine. His term begins December 1, 2005.

Arch Mainous, PhD, continued to serve as Chair of the Program Committee for the North American Primary Care Research Group (NAPCRG) and sits on the Board of Directors.

Wanda Gonsalves, MD, serves as the medical director for the new Student-Run Free Medical Clinic that opened in September, 2005, in the East Cooper Community Outreach Building in Mount Pleasant. The Student-Run Clinic operates in the new University Family Medicine-East Cooper office opened by the Department in August, 2005.

## NOTEWORTHY PRESENTATIONS

Dana King, MD, delivered the keynote plenary presentation at the South Carolina Dietician Association meeting in October, 2005.

Heather Liszka, MD, Assistant Professor had her research paper selected as a Distinguished Papers for the 2004 North American Primary Care Research Group meeting in Orlando. Another paper by Richelle Koopman, MD, Assistant Professor, was selected for an Extended Presentation at the same meeting.

A presentation by Arch Mainous, PhD, comparing diabetes care in the US and the UK was selected for the Best Poster Prize at the 2005 meeting of the Society for Academic Primary Care in Newcastle, UK.

## COMMITTEE PARTICIPATION

Wanda Gonsalves, MD, was selected to serve on the South Carolina Oral Health Advisory Board in 2005. Dr. Gonsalves also sits on the board of directors for the Nicholas Pisacano Scholarship Foundation which awards medical school scholarships to students demonstrating excellent leadership and academic skills and who aspire to enter family medicine.

Bob Mallin, MD, Associate Professor, was elected to the South Carolina Board of Medical Examiners Disciplinary Committee in 2004. Dr. Mallin continues to serve on the Step I Committee for the National Board of Medical Examiners this year.

Dana King, MD, Professor, has been appointed to the North American Primary Care Research Group Program Committee.

Richelle Koopman, MD, Assistant Professor, has been appointed to the Society of Teachers of Family Medicine Research Committee.

Barry Hainer, MD, Professor, continues to serve as co-chair of the American Academy of Family Physicians Skin Problems and Disease Conference.

Vanessa Diaz, MD, Assistant Professor, serves on the Communication Committee of the North American Primary Care Research Group. Dr. Diaz also serves on the Board of Directors of the Charleston County Pregnancy Prevention Council.

## PROMOTIONS

Peter Carek, MD, and Dana King, MD, were promoted to Professor this past year. Sabra Slaughter, PhD, was promoted to Associate Professor.

Heather Liszka, MD, and Marcia Taylor, MD, both completed their Masters of Clinical Research degrees at MUSC. Drs. Liszka and Taylor completed their faculty development fellowships and remain on the faculty at MUSC where they have been promoted from Instructor to Assistant Professor.

# DISTINGUISHED FACULTY SERVICE AWARD

*Albert H. Keller, Jr., D.Min.*

Apart from the formal classroom setting Dr. Bert Keller teaches by example. He serves as a mentor and counselor to virtually every category of person on the MUSC campus, from faculty to patients. In his office, a hallway, or a patient's room, he can be found giving advice and comfort to anyone who needs a sympathetic ear. For more than 20 years, as a member and chair of the University Humanities and the Medical Center Ethics committees he has helped to emphasize the arts and shape policies regarding end-of-life issues.



late Hiram Curry, M.D., the founding chair of the Department of Family Medicine, to include Dr. Keller on the faculty to teach medical ethics. Since that time, students from various MUSC colleges have learned from Dr. Keller not just medical ethics but concepts in death, dying and mourning, among other issues in the humanities. Students and residents alike better understand their roles as healers and advocates for their patients.

Dr. Keller earned graduate degrees from Union Theological Seminary and Yale Divinity School before completing his doctoral work at Princeton Theological Seminary. His doctoral thesis was entitled "The Formative and Transformative Power of Autobiographical Conversation in Ministry with People of Science". He continued his educational pursuits overseas in France, Switzerland, England, and India, before returning to the United States. Not one to shy away from challenges, Dr. Keller began his teaching career in the Virginia State Penitentiary before moving to The Republic of Congo. In 1969, he returned to America as the Presbyterian university pastor for Charleston-area colleges. His rapport with MUSC students prompted the

Dr. Keller's contributions go beyond the confines of this campus, extending his compassion and wisdom to those in need throughout the Greater Charleston area. He was a leader in the founding of Hospice of Charleston, one of the first premier hospice organizations in the United States, and the Charleston Interfaith Crisis Ministry homeless shelter, where he often ministers to its residents. In short, Albert H. Keller, Jr., D.Min., exemplifies those attributes that this institution values so highly. For his service to the people of South Carolina and for his contributions to the Medical University of South Carolina, the Health Science Foundation was pleased to present him with the Distinguished Faculty Service Award on August 23, 2005.

## NEW FACULTY



### JOHN FREEDY

Dr. Freedy was born and raised in Columbus, Ohio. He received his BA with honors in Psychology from the University of North Carolina at Chapel Hill and earned his PhD in Clinical Psychology from Kent State University in Kent, Ohio. He also has completed an NIMH fellowship involving research and clinical work with the victims of violence and trauma. From 1991-1998 Dr. Freedy was a faculty member within the Department of Psychiatry and Behavioral Sciences at MUSC. Between 1998 and 2005 he completed medical school and the Family Medicine Residency at MUSC. Following residency training, Dr. Freedy joined the Family Medicine faculty as the coordinator of Behavioral Science training for the residency program. His professional interests include: violence and traumatic stress, impact of mental health upon physical health, behavioral science curriculum development, and Balint training. John's personal interests include *family time; travel; reading; college football and college basketball.*

### IVAR FRITHSEN

Dr. Frithsen grew up in the small coastal community of Rockport, MA. He graduated from the University of Colorado in Boulder and then lived in Steamboat Springs, CO for a few years. When attending medical school at the Medical College of Pennsylvania/Hahnemann University he became interested in both Family Medicine and Environmental Medicine. Dr. Frithsen completed his residency at the Trident/MUSC Family Medicine Residency program and is a faculty development fellow in the department. Occupational and Environmental Medicine issues will be the focus of his research during the fellowship here at MUSC. Dr. Frithsen has been married to Emily for the past 3 years and they have an 18 month old daughter, Ruby. Other than spending time with my family, he enjoys fishing, golf, reading and music.

### MARTY PLAYER

Dr. Player grew up in Lancaster, SC and attended undergraduate and medical school at the University of South Carolina (Go Gamecocks!) in Columbia. He completed his residency in family medicine at Christiana Care (Medical Center of Delaware) in Wilmington, Delaware in 2004 and stayed an additional year completing a fellowship in faculty development with a focus on underserved and vulnerable populations.

His interests include working with residents, gay, lesbian and transgender health issues, and research with a focus on cardiovascular disease and hypertension treatment and physician guideline adherence.

### ANN RODDEN

Dr. Rodden was born in Springfield, IL, and spent her entire youth in Illinois in the small town of Carlyle (pop. 3500). After high school she moved to Baton Rouge to attend Louisiana State University and receive a BS in biochemistry. After graduation in 1998 she moved to the Chicago area and attended Midwestern University – Chicago College of Osteopathic Medicine. Following medical school, she finished the Family Medicine Residency Program at Trident this past June and is the newest addition to the faculty development fellowship. Ann enjoys spending time with her 3 cats & 2 bunnies. She also likes to read, and hike.

# PUBLICATIONS FOR FY 05

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