



**CENTER FOR  
APPLIED HEALTH RESEARCH**



# **Health Outcomes Core Annual Report**

**Co-Directors:**

**Dr. Laurel A. Copeland**

**Dr. John E. Zeber**

**FY2013**

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## Summary of FY13 Accomplishments

During the third fiscal year of operations, which ran September 2012 – August 2013, the Health Outcomes Core achieved the following:

- 18 grant proposals submitted; 8 of these were awarded funding
- 19 manuscripts published with another 18 papers under review at year-end
- 16 presentations to local and national research conferences, which includes 2 talks given at internal VA, Scott & White or academic venues
- Continued expansion of HOC employees, active mentees, support of clinical researchers, internal and external collaborations, and potential recruitment of new investigators
- Dr. Copeland was selected as Interim Associate Chief of Staff for Research, Central Texas VA
- As a direct result of above activities, CAHR continues to rapidly develop a local, national and international presence in the research community

## History

Scott & White Healthcare, in conjunction with the Central Texas Veterans Health Care System, established the **Center for Applied Health Research (CAHR)** and the **Health Outcomes Core (HOC)** in September 2010; under the auspices of Dr. Alejandro Arroliga, *Chairman*, Department of Internal Medicine. As a jointly sponsored center supporting research activities of both institutions and our academic partners, CAHR conducts and facilitates investigator-initiated research and multidisciplinary efforts to generate applied health knowledge in Central Texas. CAHR research endeavors are diverse, and it is our intention to collaborate on and to advance applied health research throughout our sponsoring institutions. **CAHR** is led by Dr. Alan B. Stevens, *Director*, and Dr. Laurel A. Copeland, *Associate Director*.

The **Health Outcomes Core (HOC)** conducts health services research focusing on severe mental illness and the management of care for complex patients with a variety of medical and psychiatric comorbidities. **Drs. Copeland** and **Zeber** serve as *Co-directors* of **HOC**.

## Mission & Vision FY2016

By the end of FY2016, HOC will be a self-sustaining applied health research organization that contributes to the improvement of healthcare and drives the national mental health policy debate to focus on integrated patient care and to promote mental health parity. Within the outcomes research field, HOC will continue its focused effort to develop a collaborative network of national and international researchers, and achieve national recognition as a leading mentoring center for the development of health outcomes researchers.

HOC conducts health services research on topics including patient, provider and system factors pertaining to effective care coordination, a diverse range of patient-centered outcomes, racial

disparities in health services utilization, transition into the Veterans Health Administration system, post-deployment health issues, and policy and economic implications related to treatment adherence.

HOC has expertise in study design and project evaluation, extraction and reduction of administrative data, derivation of process of care and outcome measures from archival medical record data, and statistical analysis. HOC Researchers have developed a national and international reputation for their work, with established collaborations across the country as well as research colleagues in several countries.

The **CAHR vision** statement, *“Become the national leader in applied health research”*, reinforced by the **HOC mission** statement, *“To facilitate the integration of health research into clinical care focusing on the improvement of care delivery and the well-being of our community”*, provided the research focus for HOC during FY2013.

## **Fiscal Year 2014 - Directors' Statement**

Building upon the infrastructure foundation, accomplishments, and objectives achieved during FY2013, HOC goals for this year will focus upon efficiently utilizing a highly qualified core team to further contribute to the overall CAHR and Scott & White research and clinical missions. Our efforts and priorities will include balancing S&W and VA efforts, not only maintaining but exceeding prior grant and manuscript productivity, continuing to represent the center and institution as respected national and international leaders in health outcomes research, and further developing a growing cohort of clinical researchers through a strong consulting and mentorship program. Within the institution, we will reach out to our new colleagues from Baylor Healthcare to collaborate on research projects that will benefit from our combined strengths. Locally, we will establish closer working relationships with VA entities at both San Antonio (VERDICT, South Texas VA) and the VISN 17 Center of Excellence for Research on Returning War Veterans, while engaging additional Scott & White researchers and department heads to increase their own research programs. Our role in the HMORN, and particularly the Mental Health Research Network, will remain a prime concentration area, linking with other sub-network experts here (e.g., Catherine McNeal, MD and the Cardiovascular Research Network or CVRN) and across the country. While keeping the focus on current investigations and projects, we expect to expand our collaborative sphere by working closely with highly skilled health services experts as affiliate investigators, such as Drs. Mary Jo Pugh and Jack Tsan. We are also renewing efforts to recruit more colleague and senior investigators, such as Dr. Polly Noel, into a more structured affiliation with the center and HOC. We aim to work more closely with and expand our circle of national and international collaborators. Finally, we envision greater interactions with other CAHR cores and their investigators, leveraging common resources and overlapping goals as the center continues to direct its attention to meeting a central Scott & White objective of becoming a national leader in patient-centered outcomes research.

## Value Added to S&W in merger with Baylor Health Care System

During the fourth quarter of Scott & White's FY2013, the announcement was made regarding our merger with Baylor Healthcare and the formation of Baylor Scott & White Health. Although the full implications will not be recognized for some time, the significance of the merger will undoubtedly impact all aspects of operations within the system, including research and CAHR/HOC. The merger has the potential to open doors to areas such as greater access to archival data, opportunities for increased consultations, growth in relationships with affiliate investigators, and an increase in potential topics for research and grants.

## Organization

### *Co-directors*



The focus of **Dr. Copeland's** research is health care for patients with severe mental illness and coordination of their overall care. Other research interests include the study of health care provided to new veterans of the wars in Iraq and Afghanistan, many of whom have experienced both physical and psychological trauma and are at risk for severe mental illness. Dr. Copeland has 97 peer-reviewed publications, in addition to serving as Principle Investigator for 4 funded grants and Co-Investigator for 5 other funded grants.

Dr. Copeland's appointments include:

- Investigator, Research Service, Central Texas Veterans Health Care System (Central Texas VA)
- Interim Associate Chief of Staff for Research, Central Texas VA
- Associate Professor, College of Medicine, Texas A&M Health Science Center
- Adjunct Faculty, Department of Psychiatry, UT Health Science Center San Antonio
- Adjunct, School of Rural Public Health, Texas A&M Health Science Center



**Dr. Zeber's** focus areas include mental illness, medical sociology and health beliefs, medication and treatment adherence, ethnicity, culture, and reducing disparities, health policy

evaluation, cost-effectiveness analysis, post-deployment experiences of veterans seeking VA care, and enhanced implementation of the chronic care model or patient-centered medical home principles. Most recently he received funding to examine the role of a new technological implementation to reduce hospital associated infections. With over 70 publications, Dr. Zeber has led 6 funded projects as Principal Investigator while serving as and co-investigator on 14 other studies. He is currently PI for a multisite VA-funded project to reduce hospital associated infections through a novel ultraviolet device technology.

Dr. Zeber's appointments include:

- Investigator, Research Service, Central Texas VA
- Chair of Central Texas VA Institutional Review Board (IRB) committee
- Associate Professor, College of Medicine, Texas A&M Health Science Center
- Adjunct Faculty, Department of Psychiatry, UT Health Science Center San Antonio
- Adjunct, School of Rural Public Health, Texas A&M University



We would also like to recognize the increasing contributions of **Dr. Eileen Stock**, Statistician, as she continues to develop her skills as a junior investigator. Dr. Stock's research focuses on patients with severe mental illness, specifically PTSD, and the pharmacological management of these disorders. Other research interests include post-deployment health issues for veterans, health services utilization, treatment adherence, and the application of Bayesian and other advanced methodology to answer complex healthcare questions. Dr. Stock currently has 11 peer-reviewed articles published/inpress.

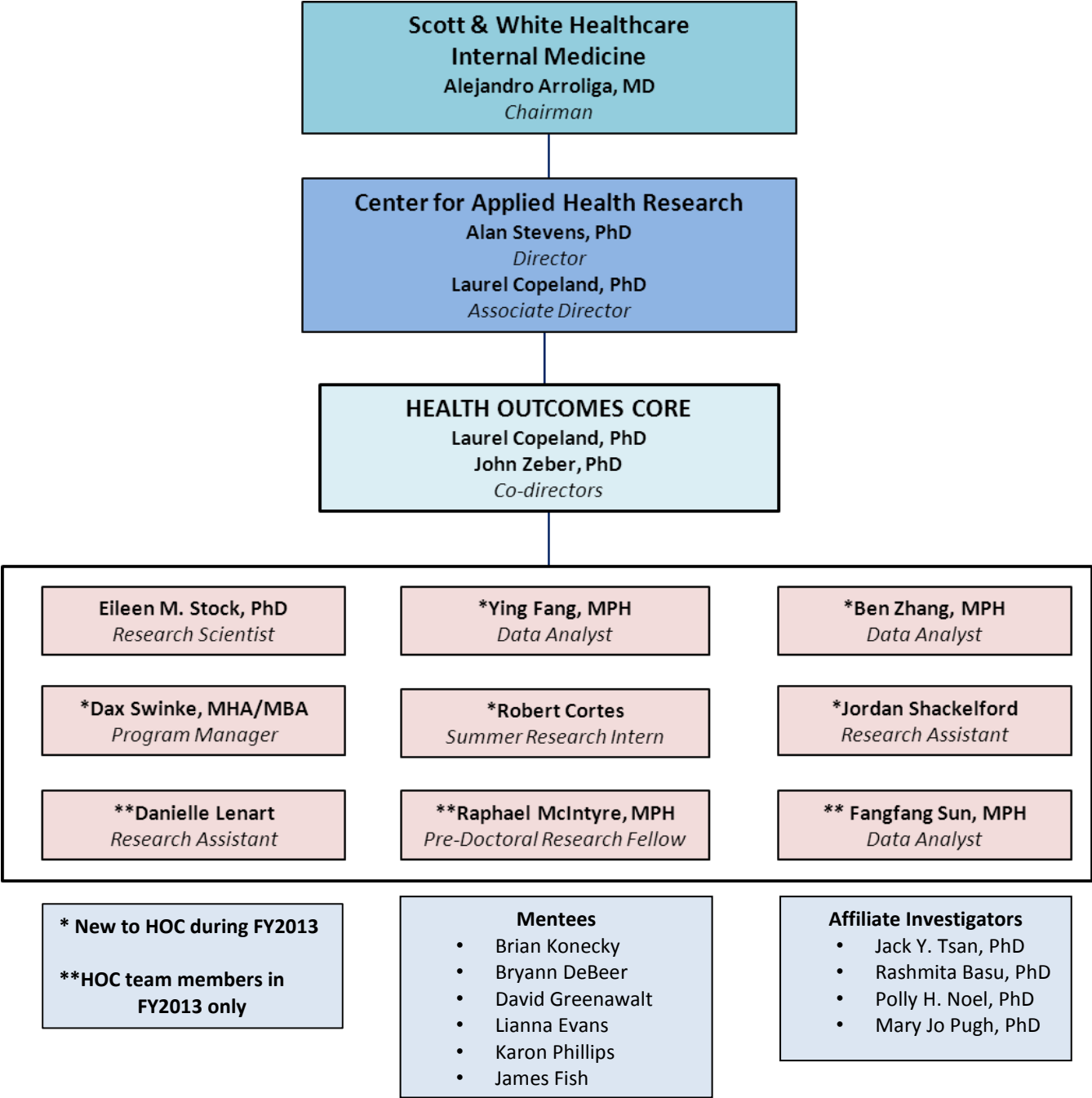
Dr. Stock's appointments include:

- Research Scientist, Center for Applied Health Research
- Research Associate (WOC), Central Texas VA
- Assistant Professor, College of Medicine, Texas A&M Health Science Center
- Member, Central Texas VA IRB committee

As of the end of FY2013 (August 2013), HOC personnel consists of its two *Co-director Investigators* Drs. Copeland and Zeber, *Research Scientist/Statistician* Dr. Eileen Stock, two *Data Analysts/Programmers* Ying Fang, MPH and Ben Zhang, MPH, *Research Assistant* Jordan Shackelford, and *Program Manager* Dax Swinke, MHA/MBA. During Summer 2013, HOC was pleased to welcome high school student Robert Cortes, *Summer Research Intern* through the Texas Bioscience Institute on the Scott & White West Campus, to join our team and present his poster on information collected from Homefront data. HOC's

FY2013 withstood the departures of *Data Analyst* Fangfang Sun, *Research Assistant* Danielle Lenart, and *Pre-Doctoral Research Fellow* Raphael McIntyre, and witnessed the additions of Ms. Fang, Jordan Shackelford, and Mr. Swinke. During FY2013, all HOC personnel maintained Without Compensation (WOC) status within the Veterans Health Administration, allowing them to facilitate research on VA studies.

### HOC Organizational Chart



We believe that HOC's growth reflects both our increased productivity, infrastructure development and continued efforts to further enhanced research activity that targets the clinical mission of both Scott & White and the Central Texas VA. In addition to the aforementioned HOC personnel, we have maintained active collaboration with our affiliate investigators (Drs. Tsan, Basu, Noel, and Pugh), a large cohort of research mentees from both institutions, several senior colleagues at the VA research centers in San Antonio and Waco (as well as other national VA facilities), and our academic partners. We have also continued efforts towards the recruitment of new health services investigators, with a couple of promising prospects to be pursued in FY2014.

## Specific Goals FY2013

HOC established the following goals to guide its research efforts in the first three years of operation. As these goals remain central to our philosophy and efforts, HOC will continue focusing attention on these objectives in FY14. See Productivity sections below and Appendices for additional details on these objectives and FY13 accomplishments.

### **1) Conduct health services research resulting in publishing new knowledge to improve the delivery of patient health care [achieved]**

Metrics: Grants/Studies, Publications, Research project development and assistance.

Objectives: Develop and submit at least four grant proposals and eight scholarly articles; expand participation and collaboration in the HMORN environment.

### **2) Integrate health services research results into Scott & White and VA clinical practices [achieved]**

Metrics: Teaching, Mentoring, Sharing Information of HSR.

Objectives: Present to Scott & White clinicians two times per year; provide research expertise to Scott & White colleagues in regularly scheduled meetings at CAHR at least 10 times per year; share information on HMORN and VA opportunities (data sources, funding and collaboration opportunities).

### **3) Develop collaborative research opportunities with Texas entities [achieved]**

Metrics: Research project development and assistance.

Objectives: Develop three new research contacts with TAMU, Baylor, UT or other regional institutions; Maintain collaborative research investigations to include researchers at VISN 17 CoE, Central Texas VA, South Texas VA, UTHSCSA, and SAMMC.

### **4) Gain regional, national, and international exposure for Scott & White investigators and research [achieved]**

Metrics: Conferences, Working Groups, Articles Reviewed, Leadership.

Objectives: Attend three national or international conferences as speakers or poster presenters; collaborate on research activities or contribute as expert consultants with national respected



researchers; serve as reviewers at least six peer-reviewed healthcare journals; serve on one Institutional Review Board (IRB).

**5) Provide expertise and consultation services to external investigators [achieved]**

Metrics: Consulting, Research project development and assistance.

Objectives: Share research expertise by consulting with fellow researchers or providing information in a lecture format; assist researchers with study design and project evaluation; data extraction and reduction; variable development; development of appropriate analytic strategies; interpreting study results; developing and protocols; submitting proposals, manuscripts and conference abstracts; providing information on research results, research processes, and data analysis techniques.

**6) Mentor beginning and intermediate researchers in health services research activities [achieved]**

Metrics: Mentoring, Encourage professional development, clinical issues into research protocols.

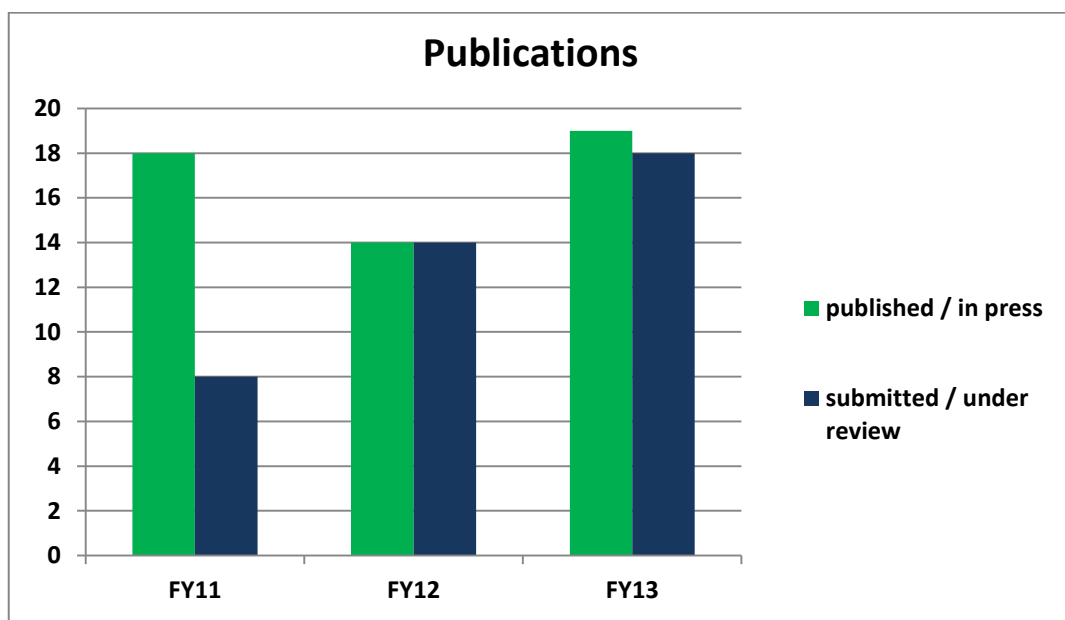
Objectives: Mentor a minimum of eight beginning and intermediate researchers across institutions.

## FY2013 Productivity

HOC continued publishing its achievements in monthly and quarterly academic reports in FY2013. Through these reports, productivity elements (metrics) can be traced to objectives, and objectives can be traced to one or more of the six goals; much in the way Scott & White aligns individual accomplishments with the organizational mission. Measureable objectives provided the basis for determining whether goals and objectives were met. The following sections provide additional details concerning our primary activities, offering a comprehensive overview of HOC contributions. Also see **Appendices A - D**.

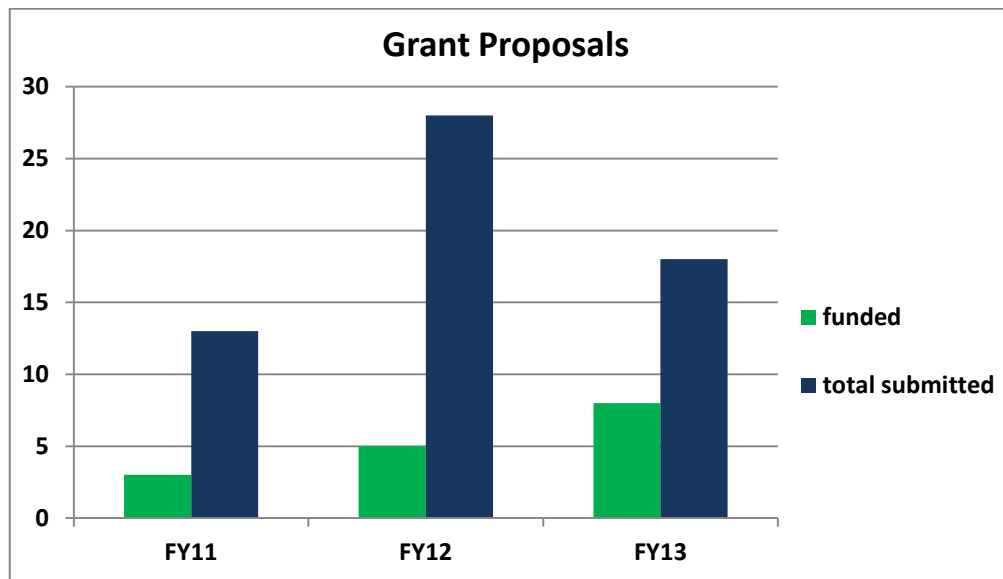
### Publications

Increased mentoring activity and efforts from investigators and junior researchers alike led to a total of 19 publications in FY2013 (including those accepted and in press; see **Appendix A**). In addition, another 18 manuscripts were submitted and under review as of the end of August 2013. The 37 total publications and manuscripts submitted for review signifies that HOC continued to increase its yearly productivity in this area, as we established new collaborators to examine Scott & White or HMORN patients and initiate new research projects. These papers derived from several different studies, covering a variety of health conditions and factors such as reducing hospital readmission, reducing ethnic and socioeconomic disparities, cognitive decline, diabetes and patient-centered care, obesity, schizophrenia and hospital transition, surgical experience of patients with and without mental illness, statistical methods applied to health outcomes research, healthcare associated infections, primary care and mental health integration, and cardiovascular disease prevention in women. Dr. Copeland's paper on ethnic differences in receipt of vascular procedures was highlighted by the VA's Director of Health Services Research and Development (HSRD). Dr. Zeber was lead author for an international working group publication on medication adherence while also serving as guest editor for issues of *Depression Research & Treatment* (with editorial). Several of HOC publications have now been cited over 100 times, testifying to the recognized significance of our collective work.



## Grant Proposals

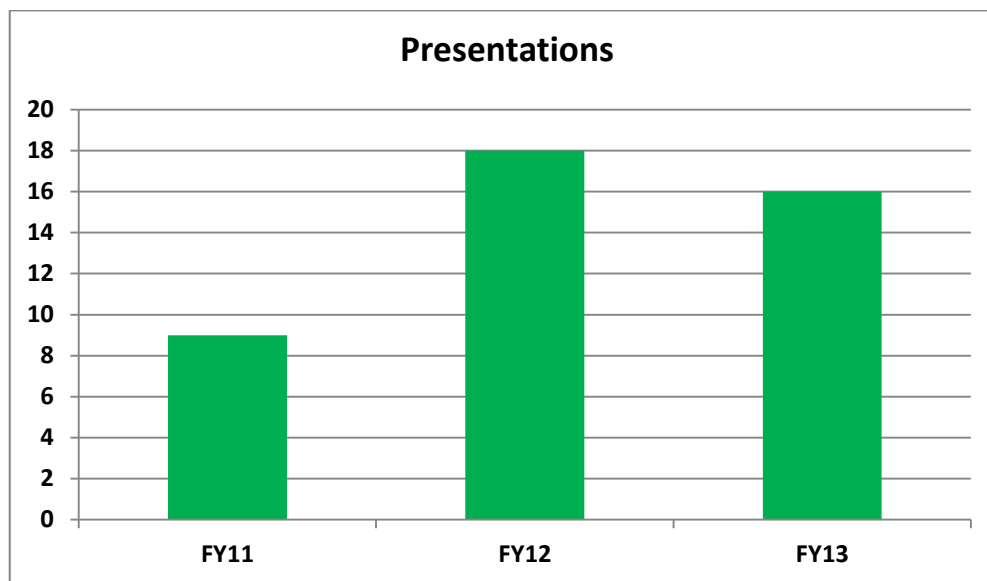
HOC received funding notices for 8 out of the 18 submitted proposals in FY2013. While 18 proposals represents a decrease in the number of submissions from FY2012, HOC's 8 newly funded grants continues to follow the upward yearly trend (**Appendix B**). The funding agencies included the Veterans Health Administration (several offices, e.g., HSRD, QUERI program, Rural Health), Xenex, Commonwealth Fund, National Institutes of Health (NIDA, NHLBI), Shire Pharmaceuticals, and the Scott & White Research Grants Program. HOC established or expanded collaborative activities with researchers in the HMO Research Network, maintained strong working relationships with successful VA researchers at several other HSRD centers, developed a research collaboration with the Scott & White lead on the Cardiovascular Research Network, Dr. Catherine McNeal, and assumed the institutional leadership role in the newly formed Rural Health Scientific Interest. We continued to work with clinical investigators at the VA and Scott & White to translate mentoring and consulting efforts into future grant submissions.



## Conference Presentations

With active participation from mentees and clinical investigator colleagues, we represented our institutions in 16 presentations at national and local research conferences in FY13 (**Appendix C**). This is a comparable total to FY12, with greater attention given to stewardship of limited travel funds, reflecting a continued commitment to broader dissemination efforts of center research activities. We sincerely express our appreciation for support provided to attend these important meetings, which included the 19th Annual HMO Research Network Conference in San Francisco, CA, Academy Health's Annual Research Meeting (ARM) 2013 in Baltimore, MD, the International Society for Pharmacoepidemiology and Outcomes Research (ISPOR) 18th Annual International Meeting in New Orleans, LA, and the American Society of Health System Pharmacies Conference (ASHP) in Las Vegas NV.

HOC investigators also presented at several local conferences, collaborative meetings, or internal research events, such as the American Geriatric Society Conference in Grapevine, TX, and the Scott & White Quality Improvement in Healthcare and Patient Safety Symposium along with the Mental Health Grand Rounds in Temple, TX .



### *Ongoing Projects*

In addition to the aforementioned newly funded studies, we continue to work on numerous previously approved projects and have initiated new research activities. Many of the following studies, funded and unfunded, are led by HOC investigators, while we serve others in capacities of co-investigator, mentor, consultant, or statistician. Many of these activities have resulted in publications, grant proposals or conferences listed in our current metrics as well as supporting future productivity. These projects have developed through ongoing collaborations and new partnerships, as well as through our numerous mentoring and consulting activities designed to increase overall health services research at the VA and Scott & White. Those who funding has ended provide rich data sources for junior mentees to utilize in scholarly papers they develop. Over the past year, we have also continued to develop working relationships with VA investigators at the VISN 17 Center of Excellence for Research on Returning War Veterans, including efforts on their funded studies, and have begun to explore collaborations with Dr. Rebecca Wells, the new chair of the Health Management division at the Texas A&M School of Rural Public Health who arrived in late FY12. Our increasing involvement in the Mental Health Research Network has led to several studies and manuscripts in development or under review, including papers targeting suicidal ideation in adolescents, health disparities, psychiatric readmission, rural health, and psychiatric use in children and adolescents.

- **Copeland** (site PI): Assessment of Psychiatric Disorders, Treatment Modalities, and Outcomes

including Psychiatric Admission and Suicidality in Central Texas [PI = S Soumerai / G Simon, other HMORN partners; locally unfunded study as member of Mental Health Research Network]

- **Copeland** (co-I): Identifying and Validating Complex Comorbidity Clusters in OEF/OIF Veterans (TRACC) [PI = MJ Pugh; VA HSR&D funded study]
- **Copeland** (PI) / **Zeber** (co-I): Mental Health Treatment Preferences of OEF/OIF Veterans in South Texas [Hogg Foundation funded study 2009-2010, analysis ongoing]
- **Copeland** (PI) / **Zeber** (co-I): Patterns of Late-Life Healthcare among VA Patients with Schizophrenia [VA HSR&D funded study 2006-2009, analysis ongoing]
- **Copeland** (PI) / **Zeber** (co-I): Surgical Treatment Outcomes for Patients with Psychiatric Disorders (STOPP) [VA HSR&D funded study, analysis ongoing]
- **Copeland** - “Surgical Treatment of Women Veterans: Survey of VA and Non-VA Veterans”: supplement to Surgical Treatment Outcomes for Patients with Psychiatric Disorders (STOPP) [funded and initiated in FY12]
- **Copeland** (PI): / **Zeber** (co-I): Tracking OEF/OIF Transition from DOD to VA [VA HSR&D funded study 2008, analysis ongoing]
- **Copeland**, Pugh, Finley, **Zeber** (chapter authors): Epidemiology of Co-occurring TBI and PTSD; in PTSD, Traumatic Brain Injury, and Returning OEF/OIF Service Personnel (Oxford Press)
- **Copeland** (co-I): Drug Related Overdoses Among a Military Population [PI = T Cooper; DoD funded study, analysis ongoing]
- **Copeland** (co-I): Impact of statins and ACE inhibitors on outcomes for pneumonia and sepsis [PI = E Mortensen; NINR funded study, analysis ongoing]
- **Copeland** (co-I): Obesity Care Practices in the Veteran’s Health Administration [PI = P Noel; VA HSR&D funded study 2006-2009, analysis ongoing]
- **Copeland** (co-I): STRONG STAR (South Texas Research Organizational Network Guiding Studies on Trauma and Resilience) [PI = A Peterson; DoD funded study in progress]
- **Copeland** (co-I) / **Zeber** (co-I): Inappropriate Drug Use for Seniors: Should VA Adopt New HEDIS Measures? (HEDIS PIPE) [PI = MJ Pugh; VA HSR&D funded study, analysis ongoing]
- **Copeland** (co-I) / **Zeber** (co-I): Incorporating Medicare Pharmacy Data into an Analysis of Potentially Inappropriate Prescribing in Elderly Veterans [PI = MJ Pugh; VA HSR&D funded study in progress]
- **Stock / Copeland**: serving as mentor and statistical consultants for several ongoing VA pharmacy resident research projects
- **Sun / Fang**: under Dr. Copeland’s supervision, our data analysts have primary ongoing responsibility for consolidating Scott & White’s VDW data and conducting all necessary validity checks and HMORN project analyses.
- **Zeber** (site PI): Evaluating the Feasibility to Measure the Extent to Which Asthma Mortality Risk is Increased in ADVAIR Users [PI = Research Triangle Institute; Glaxo Smith Kline funded study, analysis ongoing while preparing for Phase II]
- **Zeber** (co-I): ABCs of Diabetes Care Management in Small Community Clinics [PI = M Parchman; NIH funded study, analysis ongoing]
- **Zeber** (site lead): unfunded new national VA Women’s Practice Based Research Network (39

sites); Dr. Zeber's study idea on Use of Non-VA Health Services was also selected as the first project utilizing several Women's PBRN sites. This pilot study will be developed into A VA merit proposal later in FY14

- **Zeber (PI):** Evaluation of a Short Pharmacy Assessment for Adherence to Post-Discharge High-Risk [unfunded Scott & White study with clinical pharmacists]
- **Zeber:** leading an ongoing international ISPOR working group on medication adherence; second project and manuscript almost complete, with plans for 3<sup>rd</sup> study being developed
- **Zeber:** unfunded work with Dr. David Blackburn on his primary data pertaining to psychological evaluations for patients considering spinal cord or bariatric surgery; developed from an initial consultation, and second paper now in progress
- **Zeber / Copeland:** CAHR representatives to monthly SW Health Plan research meetings

HOC continued to enlarge a vibrant network of national and international collaborators. While maintaining collaborative contacts at the Bedford, Houston, and Puget Sound VAs, the University of Michigan, and San Antonio Military Medical Center - Ft Sam Houston, HOC continued to forge new collaborations with researchers at the Baylor University and Texas A&M Health Science Center. Initiated by HOC and hosted by VISN 17 COE and HOC, the VISN 17 Research Grand Rounds provides a bimonthly opportunity for sharing research interests in veterans' health.

### ***Notable Accomplishments***

HOC is pleased to report national and local recognition for its team members over the fiscal year, including professional appointments and noteworthy evidence of continued career advancement. These accolades further establish CAHR and its institutional sponsors as leaders in the field of health services research, supporting our mission and goal of better disseminating high quality, influential projects to improve patient outcomes. Drs. Copeland and Zeber participated in the job fair for the Texas A&M School of Rural Public Health Graduate Student Practica in February 2013. With a national reputation as a leading expert in VA data, Dr. Copeland also continues to serve as chair of the VA Subcommittee for Information and Data Security. In addition to being invited to lead a study as part of the national Women's PBRN project, Dr. Zeber recently co-chaired the annual meeting for the national Behavioral Health Advisory Board for Academy Health, the leading health services research organization. He also assumed the chair position for the Central Texas VA Institutional Review Board, co-leads an international panel for medication adherence research, and continues to serve the *World Journal of Psychiatry* as an editorial board member for this international journal. Dr. Zeber was also honored to have a press release for his publication in *Value in Health*; "A Systematic Literature Review of Psychosocial and Behavioral Factors Associated with Initial Medication Adherence: A Report of the ISPOR Medication Adherence & Persistence Special Interest Group". Link to the press release:

[http://www.ispor.org/pressrelease/July13/insights\\_helping\\_get\\_first\\_medication\\_prescriptions\\_filled.asp](http://www.ispor.org/pressrelease/July13/insights_helping_get_first_medication_prescriptions_filled.asp)

## *Other Items of Interest*

- **Basu**
  - abstract “Socioeconomic Predictors of Cognitive Functioning among Older Indians: Role of Gender disparities” won for 2012 Nobuo Maeda International Research Award in the Public Health and Aging Section of the APHA
  - abstract “Onset versus Progression of Chronic Health Problems: Role of Life-long Socioeconomic Position and Health Behavior” was received for honorable mention for the APHA James G. Zimmer New Investigator Award.
  - Selected and participated 2012 NIH-NIA Summer Institute of Aging Research Workshop at NIH campus, Bethesda, Maryland.
  
- **Copeland**
  - served on the search committee for the Director of a proposed new Biomedical Informatics Center at TAMHSC. The new center is critical to the success of TAMHSC’s application for C\*STAR funding
  - member, Schizophrenia International Research Society
  - appointed Interim Associate Chief of Staff for Research (June 2012)
  
- **Stock**
  - accepted as a member of the Institutional Review Board (IRB), Central Texas Veterans Health Care System, Temple, TX
  - continuation as *Research Scientist* to pursue a career track of junior investigator
  - Assistant Professor, Non-Tenure, Department of Internal Medicine, Texas A&M Health Science Center College of Medicine
  
- **Tsan**
  - interviewed for information regarding the department's implementation of Shared Medical Appointments that will be included in a section of a VA newsletter article, "Lasting Impact on Health: Demonstrating the Value of Shared Medical Appointments at the VA Texas Valley Coastal Bend Health Care System"
  
- **Zeber**
  - Joint Associate Professor, Texas A&M School of Rural Public Health, Department of Health Promotion and Community Health Sciences
  - member, Schizophrenia International Research Society
  - article in Temple and Belton newspapers that featured current ultraviolet grant to reduce hospital associated infections (Zeber, study lead)
  - article in the Temple newspaper notes Xenex project (Dr. Chetan’s VA study) is underway [http://www.tdtnews.com/news/article\\_477ef8b0-ec01-11e2-bcf3-0019bb30f31a.html](http://www.tdtnews.com/news/article_477ef8b0-ec01-11e2-bcf3-0019bb30f31a.html)

## *Mentoring*

To foster the integration of new knowledge into clinical practices, and advance the research expertise of beginning and intermediate researchers, we have endeavored to work closely with a large number of clinical researchers, post-doctoral fellows, and junior investigators across the VA, Scott & White and our academic affiliates. Drs. Copeland and Zeber hosted monthly education sessions for a Scott & White Advance Clinical Research Group, and with Dr. Stock, provided mentoring on protocol development including study design and statistical analysis guidance for VA Pharmacy Residents. The HOC directors also maintain a weekly mentoring session for up to 20 researchers from VA and Scott & White. During those sessions, HOC advises the attendees on topic selection, protocol development, proposal preparation, internal review board processes, manuscript preparation, and other necessary topics for performing duties as a research investigator. This process has led to publications such as Dr. Tsan's two articles on coordination of care for veterans with schizophrenia based on Dr. Copeland's study (See **Appendix A**). For the third year in a row, HOC worked with the Texas Bioscience Institute (TBI) to mentor high school student Robert Cortes, on his project examining *Homefront*. In addition to a variety of ad hoc assistance, other mentoring activities included assisting Chetan Jinadatha initiate a research agenda in the VA (Copeland, Zeber), career development advice for Justin Benzer (Copeland), and doctoral thesis consulting for Gordon Black at the Frontier School of Nursing (Zeber).

These meetings and collective mentoring efforts translated into several publications using our datasets and those of our colleagues, as well as informed grant proposals, and will continue to do so in FY14. One additional goal for the upcoming year will be to follow these mentees to track their subsequent productivity and progress as emerging clinical investigators. We fully anticipate such continued mentoring will yield further productivity as we continue to seek out new and assist previous energetic colleagues seeking to improve their research skills.

## *Consulting*

Many investigators across clinical departments sought the expertise of Drs. Copeland and Zeber to guide and assist them through the research process, including topic selection, development of research questions and methodology, protocol development, identification and submission of proposals to IRB or funding agencies. They consulted and assisted in the development and submission of scholarly manuscripts, as well as grant proposals. Drs. Copeland and Stock provided statistical analysis used in jointly submitted proposals and manuscripts that resulted from consulting and collaborative efforts. Support to Scott & White included consulting with clinicians from Psychiatry, Orthopedics, Internal Medicine, Children's Cardiovascular Health and Pulmonary Disease. VA assistance reached researchers at VISN 17 and Houston Centers of Excellence, Central Texas, Bedford and South Texas facilities. Dr. Stock provided statistical consulting on resident research projects for the Department of Pharmacy Services at Central Texas Veterans Health Care System.

Consulting efforts last year declined somewhat from the burst of activity generated by our



arrival in Fall 2010. During FY2013, HOC continued to provide some methodological consulting to numerous different members of the Scott & White, VA, or other academic communities (**Appendix D**). These numbers decreased from prior years, largely due to prior consults developing into longer term collaborations. We have devoted renewed effort into outreach to Scott & White and VA clinical researchers through scheduled Mental Health and Medicine grand rounds, along with emailed introductions to many new providers which has initiated new conversations about joint research interests. While many of the FY2013 consultations represented single hour-long sessions, others involved ongoing study design support over the period of several months to shape and finalize IRB protocols, papers or grant submissions. Many instances of mentoring or consulting developed into fruitful collaborative relationships, an equally promising and rewarding scenario. We will continue to openly encourage clinical researchers to meet with us individually, and continue to efforts to highlight our center services through grand rounds presentation and other research events.

### *Service and Other Activities*

In addition to the quantifiable standard research metrics (publications, grants, conferences, other), HOC devoted substantial time to internal, national and international organizations in FY13. These activities and contributions reflect upon the increasing research reputation and recognition of our collective expertise areas. Detailed below, our activities included serving on national and international health services work groups, lectures and local talks, reviewing articles for major research journals, conference abstracts, and proposals for VA Health Services Research & Development and other funding mechanisms, and committee work. Further developing own research and administrative skills, these activities benefit the broader clinical and research mission of our organizations.

- **Basu**

- Served as a session chair of GSA, 2013
- Mentored undergraduate student from the Baylor-Scott & White Summer Research Program, Summer 2013
- Reviewed journal articles for Economic Inquire, Drug and Alcohol Dependence, Health Services Research, Research on Aging, Value In Health
- Reviewed abstracts for APHA, 2013

- **Copeland**

- member, Central Texas VA IRB; Chair, Subcommittee on Information and Data Security presenter, September 13, 2013 Mental Health Grand Rounds (with Zeber and Stock)
- journal reviews: total of 10, including Journal of Psychiatric Research, Psychiatric Services, PLOS One, Pharmacoepidemiology and Drug Safety, American Journal of Public Health, Medical Care
- interviewer, several Scott & White DOM faculty candidates (with Zeber)
- reviewer, 3 proposals for VHA QUERI RRP
- reviewer, 3 VHA COIN Center Proposal Reviews
- reviewer, 1 for VHA QUERI Rapid Response Pilot Proposals; online
- reviewer, 5 proposals for VHA Rehabilitation Research and Development (RRD) Special Emphasis Scientific Review Group "SPiRE"

- reviewer, 2 proposals for VISN 17 (VA)
- reviewer, 1 proposal for "Novel Predictors of Suicide: Social Cognition as a Malleable Risk Factor" for DeBeer Pilot COE V17
- consultant to the workgroup at Temple VA tackling quality of care issues at Olin Teague VAMC
- **Stock**
  - member, SIDS committee (August 2012-2013)
  - member, Institutional Review Board (IRB), Central Texas Veterans Health Care System, Temple, TX (2013-Present)
  - presenter, September 13, 2013 Mental Health Grand Rounds (with Copeland and Zeber)
  - journal review for International Journal of Women's Health
- **Tsan**
  - developer, Institutional Review Board at VA Valley Coastal Bend Health System, Harlingen, TX
- **Zeber**
  - member and chair, Central Texas VA IRB
  - reviewer, proposal for the RGP Mentor Awards Program, Scott & White
  - lead role, ISPOR International Medication Compliance Working Group (ongoing task force member)
  - site lead, new VA Women's Practice Based Research Network
  - reviewer, 12 manuscripts, for journals including World Journal of Psychiatry, Patient Education and Counseling, Journal of Neurological Sciences, Bipolar Disorders, Family Practice, World Journal of Clinical Cases
  - reviewer, 30 abstracts for 2013 Academy Health Annual Research Meeting
  - reviewer, 24 abstracts for 2013 International Society for Pharmacoeconomics & Outcomes Research
  - presenter, September 13, 2013 Mental Health Grand Rounds (with Copeland and Stock)

## Appendix A Publications

key: **bold** = HOC employee; underline = affiliate investigator; *italics* = post-doc, Scott & White or Central Texas VA colleague or mentee.

### Published / In Press / Accepted

1. Basu R, Hochhalter AK, Stevens AB. "The Impact of the REACH II Intervention on Caregivers' Perceived Health" [*Journal of Applied Gerontology*; DOI: 10.1177/0733464813499640]
2. Basu R, Rosenman R. "Altruism and Informal care for Dementia" [*International Journal of Social Science Studies*; Vol. 2, No. 1; January 2014]
3. Basu R. "Willingness to Pay to Prevent Alzheimer's disease: A Contingent Valuation Approach" [*International Journal of Healthcare Finance and Economics*; 2013 Dec;13(3-4):233-45]
4. Blackburn DR, Monte RC, **Zeber JE**, **McIntyre RT**. "Assessment of psychological screeners for spinal cord stimulation success" [*Practical Pain Management*; 2013; 3:35-9]
5. **Copeland LA**, **Zeber JE**. "Advancing Research in the Era of Healthcare Reform: 19th Annual HMO Research Network Conference, April 16-18, 2013, San Francisco CA" [*Clinical Medicine & Research*] In press May 2013.
6. Culler SD, Parchman ML, Romero-Lozano R, Noel PH, Lanham HJ, Leykum LK, **Zeber JE**. "Cost estimates for operating a primary care facilitation program" [*Annals of Family Medicine* 2013; 11(3):207-11]
7. *Greenawalt DS*, **Copeland LA**, MacCarthy AM, **Sun FF**, **Zeber JE**. "Posttraumatic Stress Disorder and Odds of Major Invasive Procedures among U.S. Veterans Affairs Patients" [*Journal of Psychosomatic Research*; 2013 Oct;75(4):386-93]
8. McDermott, Smith, Tsan JY. "Breaking Barriers in counseling Men: Insights and Innovations" [*Getting Wired: Connecting with Men Through Technology*. Routledge] Published May 2013.
9. Pugh MJ, **Copeland LA**, **Zeber JE**, Wang CP, Amuan ME, Mortensen EM, Tabares J, Van Cott AC, *Cooper T*, Cramer JA. "Antiepileptic drug monotherapy exposure and suicide-related behavior in older veterans" [*Journal of the American Geriatrics Society*; 60(11):2042-47]
10. Pugh MJ, Marcum ZA, **Copeland LA**, Mortensen EM, **Zeber JE**, Noel PH, Berlowitz DR, Downs JR, Good CB, Alvarez C, Amuan ME, Hanlon JT. "HEDIS Quality Measures for Medication Management in the Elderly: Outcomes Associated with New Exposure" [*Drugs & Aging*; 2013 Aug;30(8):645-54]
11. Smith A, **Stock EM**, *Fewel N*, Rose M, Griffiths CL. "Evaluation of initial heparin infusion rates for a high-dose protocol" [*Journal of Thrombosis and Thrombolysis*; Epub ahead of print, 2013 Jul 28]
12. **Stock EM**, **Copeland LA**, *Bush RL*, **Zeber JE**. "Prevalence of QT Prolongation in Veterans with Severe Mental Illness" [*Psychiatric Services*; 2013 Oct;64(10):942]
13. **Stock EM**, *Kimbrel NA*, *Meyer EC*, **Copeland LA**, *Monte R*, **Zeber JE**, Gulliver SB, *Morissette SB*. "A Bayesian model averaging approach to examining changes in quality of life among

- returning Iraq and Afghanistan Veterans” [*International Journal of Methods in Psychiatric Research*] Accepted March 2013.
14. **Stock EM**, Stamey JD, Young DM. “Bayesian interval estimation for the difference in TPRs and FPRs of two diagnostic tests with unverified negatives” [*Communication in Statistics - Simulation and Computation*] Accepted February 2013.
  15. Stock PA, Ochel JW, **Stock EM**. “Behavioral insights reveal a consumer of mixed rationality” [*Journal of Scholastic Inquiry: Business 2013; 1(1):45-52*]
  16. Tsan JY, **Stock EM**, Gonzalez JM, *Greenawalt DS*, **Zeber JE**, *Rouf E*, **Copeland LA**. “Mortality and guideline-concordant care for older patients with schizophrenia: a retrospective longitudinal study” [*BMC Medicine; 2012, 10:147*]
  17. Tsan JY, **Zeber JE**, **Stock EM**, **Copeland LA**. “Primary care mental health integration and persistence in care among Iraq and Afghanistan war veterans” [*Psychological Services; 9(4):336-48*]
  18. *Williams EO*, **Stock EM**, **Zeber JE**, **Copeland LA**, Miller NA, Stuart M, Palumbo F. “Payor characteristics associated with antipsychotic polypharmacy in an ambulatory care setting” [*Journal of Pharmaceutical Health Services Research; 3(3):149-55*]
  19. **Zeber JE**, Manias EF, Williams AF, Hutchins D, Udezi WA, Roberts C, Peterson AM. “A systematic literature review of psychosocial and behavioral factors associated with initial medication adherence: a report of the ISPOR medication adherence & persistence special interest group” [*Value in Health; 2013; 16: 891-900*]

### Submitted / Under Review

\*\*papers that were subsequently accepted since August 31, 2013

1. Ahn S, Basu R, Lee M, Louhua J, Lorig K, Whitelaw N, and Ory M. “The Impact of Chronic Disease Self-Management Programs: Healthcare savings through a Community-based Intervention” [*BMC Public Health*]
2. *Asias BD*, **Stock EM**, *Small NL*, *Getchell KE*, Patel JR, *Krause JD*, Cavness S, Dzenowski CL, *Ta M*. “Clinical and Financial Outcomes of Switching Insulin Glargine to Insulin Detemir in a Veteran Population with Type 2 Diabetes” [*American Journal of Health-System Pharmacy*]
3. Basu R. “Socioeconomic Predictors of Cognitive Functioning among Older Indians: Role of Gender Disparities” [*WHO Southeast Journal of Public Health*]
4. Basu R. “Socioeconomic predictors of onset versus progression of health problems: a life course perspective” [*Journal of Gerontology: Social Sciences*]
5. Bollinger M, **Copeland LA**, Pugh MJ, Noel PH. “Facility-level Predictors of Obesity Diagnosis and Treatment” [*Medical Care*]
6. **Copeland LA**, **McIntyre RT**, **Stock EM**, **Zeber JE**, MacCarthy DJ, Pugh MJ. “Prevalence of Suicidality among Hispanic and African-American Veterans Following Surgery” [*Journal of the National Medical Association*]

7. **Copeland LA**, Sako EY, Wang CP, Mortensen EM, Pugh MJ, **Zeber JE**, Flynn J, Restrepo MI, MacCarthy AM, and Lawrence VA. "Patients with and without Severe Mental Illness: Two Distinct Surgical Populations in the Veterans Health Administration" [*BMC Surgery*].
8. **Copeland LA**, Sako EY, **Zeber JE**, Pugh MJ, Wang CP, MacCarthy AM, Restrepo MI, Mortensen EM, Lawrence VA. "Mortality after Cardiac or Vascular Operations by Pre-Existing Severe Mental Illness Status" [*Am J Surg*]
9. Finley EP, Pugh MJ, Bollinger M, Noël PH, Pugh JA, Amuan ME, **Copeland LA**, Dassori A, Bryan C. "Is the Polytrauma Clinical Triad associated with suicide-related behavior among Veterans of Iraq and Afghanistan? A national cohort study" [*JAMA-Psychiatry*].
10. Hochhalter AK, Basu R, Prasla K, and Jo C. "Retrospective Study of Medication Adherence and 30-day Readmission among Managed care Patients" [*Managed Care*].
11. Hochhalter AK, **Zeber JE**, **Copeland LA**, Thibodeaux L, **McIntyre RT**, **Fang Y**, **Stock EM**. "Psychosocial correlates of health literacy among post-discharge patients receiving medical aid" [*Journal of Healthcare for the Poor and Underserved*]
12. Janke-Stedronsky S, Greenawalt DS, **Copeland LA**, **Stock EM**, Tsan JY, MacCarthy DJ. "Association of Parental Status and Diagnosis of Posttraumatic Stress Disorder among Veterans of Operations Iraqi and Enduring Freedom" [*Social Psychiatry & Psychiatric Epidemiology*].
13. Jinadatha C, Quezada R, Huber TW, Williams JB, **Zeber JE**, **Copeland LA**. "Evaluation of a pulsed-xenon ultraviolet room disinfection device for impact on contamination levels of methicillin-resistant Staphylococcus aureus" [*BMC Infectious Disease*]
14. Noel PH, Parchman ML, Palmer RF, Romero R, Leykum LI, Lanham HJ, **Zeber JE**, Bowers K, Arar N. "Alignment of patient and practice member perspectives of chronic illness care in small, community-based primary care practices". [*BMC Health Services Research*]
15. **Stock EM**, **Copeland LA**, Tsan JY, **Zeber JE**, Veronin MA, Kirkpatrick B. "Method of Analysis as an Influential Factor in Modeling Admission among Veterans of Iraq/Afghanistan Deployments" [*Health Services and Outcomes Research Methodology*]
16. \*\* **Sun FF**, **Stock EM**, **Copeland LA**, **Zeber JE**, Ahmedani BK, Morissette SB. "Comparison of Antipsychotic Polypharmacy Trends among Schizophrenia Patients across Multiple Healthcare Systems" [*American Journal of Health-System Pharmacy*].
17. Widmer A, Basu R, and Hochhalter AK. "The association between office-based provider visits and emergency department utilization among Medicaid beneficiaries" [*Journal of Healthcare for the Poor and Underserved*].
18. **Zeber JE**, **Copeland LA**, Pugh MJ, Restrepo MI, MacCarthy D, Lawrence VA. "Surgical rates of common procedures in veterans with serious mental illness" [*General Hospital Psychiatry*].

## Appendix B Grant Proposals

Key: **bold** = HOC employee; underline = affiliate investigator; *italics* = post-doc, Scott & White or Central Texas VA colleague or mentee.

**Awarded** [funding decision received between September 1, 2012 and August 31, 2013]

| PI                   | Title   | Team   | Agency  | Period - \$\$          |
|----------------------|---|--|---|------------------------|
| <u>Basu R</u>        | Longitudinal Transitions in Cognitive Decline among Older Adults  | <b>Copeland LA, Zeber J, Stevens A</b>                         | Scott & White Research Grants Program         | 2012-2013<br>\$50,000  |
| <b>Copeland LA</b>   | Homefront: Implementation and Evaluation of a Post-deployment Family Health Program   | Williams D (mentee/mental health resident)                     | Scott & White RMA                             | 2013-2014<br>\$10,000  |
| <b>Copeland LA</b>   | Surgical Treatment of Women Veterans: Survey of VA and Non-VA Veterans: supplement to Surgical Treatment Outcomes for Patients with Psychiatric Disorders (STOPP)             | <b>Zeber JE</b>  | VA HSR&D IIR-09-335                           | 2012<br>\$19,400       |
| <i>Hochhalter AK</i> | Health Literacy and Improving Hospital Discharge Transitions in a Low-Income Patient Population   | <b>Zeber JE</b>  | Scott & White Internal Research Grant Program | 2012-2013<br>\$49,998  |
| <i>Jinadatha C</i>   | Evaluation of an Ideal Cleaning Protocol in Acute Care and OR's, and Evaluating Concept of Possible UV Resistance of Continuous Disinfection using Surface Coating Technology | <b>Copeland LA, Zeber JE</b>                                   | Xenex   | 2013-2014<br>\$115,000 |
| Lynch (KPCO)         | Eating Patterns & Health (ePATH)  | <b>Copeland LA</b>   | Shire Pharmaceuticals                         | 2013-2016<br>pending   |
| Reid R               | Hybrid Strategies to Improve Health Care's Triple Aims: Lessons Learned From the Transformations of Two Health Systems  | <b>Copeland LA, Zeber JE, <u>Basu R</u>, Sun FF, Forjuoh S</b> | Commonwealth Fund                             | 2012-2014<br>\$67,600  |
| <b>Zeber JE</b>      | Pulsed Xenon Technology Targeting Hospital Acquired Infections, Cost and Outcomes   | <b>Copeland LA, Jinadatha C</b>                                | VA HSR&D                                      | 2013-2016<br>\$781,000 |

**Under Review** [submitted through August 31, 2013]

| <b>PI</b>          | <b>Title</b>  | <b>Team</b>                                    | <b>Agency</b>                           | <b>Period - \$\$</b>       |
|--------------------|---|--|---|----------------------------|
| Benzer             | Multi-Specialty Intervention for Antipsychotic-Related Metabolic Risk Management  | <b>Copeland LA</b>                             | VHA HSR&D                               | 2014-2017                  |
| <b>Copeland LA</b> | VISN 17 Veteran Suicide Prevention Initiative 2013                                | Noel PH, <u>Pugh MJ</u>                        | VISN 17, Veterans Health Administration | 2013-2015                  |
| Hawn               | Improving Surgical Quality: Risks and Impact of Readmission                       | <b>Copeland LA</b>                             | VHA HSR&D                               | 2014-2017                  |
| <i>Jinadatha C</i> | Heart of Texas: Center for Excellence in Healthcare Infection Prevention          | <b>Copeland LA, Zeber JE</b>                   | Veterans Affairs Patent Safety Center   | pending                    |
| Leykum L           | VetCARE: A Veteran-centered, Complexity-Science Approach to Readmissions          | <b>Zeber JE</b>                                | VA RR&D merit proposal                  | pending                    |
| Simon G            | Mental Health Research Network-II (infrastructure and specific projects)          | <b>Copeland LA, Zeber JE, Stock EM, Fang Y</b> | NIH                                     | 2014-2019<br>\$2.3 million |
| <b>Stock EM</b>    | Pharmacotherapy Patterns among Veterans Enduring Co-occurring PTSD and SUD (PAVE) | <b>Copeland LA, Morissette SB, Stamey JD</b>   | VHA HSR&D                               | 2014-2019                  |

### Submitted but Not Funded

| <b>PI</b>       | <b>Title</b>  | <b>Team</b>                        | <b>Agency</b>                               |
|-----------------|---|------------------------------------|---|
| <b>Zeber JE</b> | Evaluation of a Short Pharmacy Assessment for Adherence to Post-Discharge High-Risk Medications |                                    |   |
| <b>Zeber JE</b> | Women Veterans' Use on Non-VA Services  |                                    | VA Office of Women's Health                 |
| <b>Zeber JE</b> | Pulsed Xenon Ultraviolet Technology Targeting Nursing Home Acquired Infections                  | <b>Copeland LA,<br/>Stevens AS</b> | Agency for Healthcare Research and Quality, |



## Appendix C Conference Presentations

key: **bold** = HOC employee; underline = affiliate investigator; *italics* = post-doc, Scott & White or Central Texas VA colleague or mentee.

### Presentations

\*\*Presentations that were accepted and presented since August 31, 2013

1. Basu R, **Zeber JE**, **Copeland LA**, Stevens AB. "Role of Multiple Chronic conditions on Cognitive Trajectory" Poster Presentation [19th Annual HMO Research Network Conference, April 16-18, 2013, San Francisco CA]
2. Blackburn DR, Monte RC, **Zeber JE**, **McIntyre RT**. "Assessment of psychological screeners for spinal cord stimulation success" Poster Presentation [S&W Research Day, May 13, 2013, Temple TX]
3. **Copeland LA**. "Good Data Practices: Session 4, Research Application. VA INFORMATION RESOURCE CENTER (VIREC) CYBER SEMINAR"[Cyber Seminar September 12, 2013]
4. **Copeland LA**, **McIntyre RT**, **Stock EM**, **Zeber JE**, *MacCarthy DJ*, Pugh MJ. "Prevalence of Suicidality among Hispanic and African-American Veterans Following Surgery" Poster Presentation [ARM 2013, June 23-25, 2013, Baltimore MD]
5. **Copeland LA**, **Sun FF**, Haller IV, Roberts M, Bailey-Davis L, Vanwormer J, Gessert CE, Behl AS, Morales L, Shapiro GR, Elliott TE. "Rural Health Research Initiative in the HMORN: A New Scientific Interest Group" Poster Presentation [19th Annual HMO Research Network Conference, April 16-18, 2013, San Francisco CA]
6. **Copeland LA**, **Zeber JE**, Mortensen EM, Pugh MJ, Wang CP, Sako EY, Restrepo MI, Lawrence VA. "One-year Survival after Cardiac or Vascular Surgery by Pre-existing Severe Mental Illness Status" Poster Presentation [ARM 2013, June 23-25, 2013, Baltimore MD]
7. \*\* **Copeland LA**, **Zeber JE**, **Stock EM**. "Mental Health Services Research and the HMO Research Network (HMORN)" [Scott & White Mental Health Grand Rounds, September 13, 2013, Temple TX]
8. Frei CR, Juday TR, Jones X, Labreche MJ, Koeller JM, Hebden T, Seekins DW, Oramasionwu CU, Bollinger M, **Copeland LA**, Teshome B, Mortensen EM. "Comparative value of four measures of retention in expert care in predicting clinical outcomes and healthcare utilization in HIV patients" [ISPOR 18th Annual International Meeting, May 18-22, 2013, New Orleans LA]
9. *Lu W*, Peterson E, Cavness S, Faulkner J, **Stock EM**. "Efficacy of High Dose Omega-3 Fatty Acids in Very High Triglyceridemia" [American Society of Health System Pharmacies Conference (ASHP), Dec. 2-6, 2012, Las Vegas NV]
10. **McIntyre RT**, Thibodeaux LV, **Zeber JE**, *Hochhalter AK*. "The Role of Health Literacy on Medication Adherence After Discharge Among Medical Aid Program Members" Poster Presentation [19th Annual HMO Research Network Conference, April 16-18, 2013, San Francisco CA]

11. \*\* **Stock EM, Copeland LA, McNeal CJ, Zeber JE.** “Pharmacological Treatment associated with QT prolongation among Veterans with Posttraumatic Stress Disorder” [Scott & White Quality Improvement in Healthcare and Patient Safety Symposium, September 13-14, Temple TX]
12. Thibideaux LV, **McIntyre RT, Zeber JE, Hochhalter AK.** “Examining Post-Discharge Medication Adherence and Gender in a Medical Aid Population” Poster Presentation [19th Annual HMO Research Network Conference, April 16-18, 2013, San Francisco CA]
13. Thorud JL, Basu R, *Hochhalter AK, Stevens AB*, McGhee HR. “What Contributes to Patients’ Medication Discrepancies Post Hospital Discharge?” [American Geriatric Society Conference, May 3-5, 2013, Grapevine TX]
14. *Thurman L*, Rose M, Fewel N, **Stock EM.** “Monotherapy versus double-coverage of pseudomonas aeruginosa: a combination antibiogram for hospitalized veterans” [American Society of Health System Pharmacies Conference (ASHP), Dec. 2-6, 2012, Las Vegas NV]
15. Underland L, **Copeland LA**, Zachariah J, *McNeal CJ.* “Assessing Appropriate Treatment of Familial Hypercholesterolemia in Children” Poster Presentation [19th Annual HMO Research Network Conference, April 16-18, 2013, San Francisco CA]
16. **Zeber JE**, Manias EF, Williams AF, Hutchins D, Udezi WA, Roberts C, Peterson AM. “A systematic literature review of psychosocial and behavioral factors associated with initial medication adherence” Poster Presentation [International Society for Pharmacoepidemiology and Outcomes Research, May 19-23, New Orleans LA]
17. **Zeber JE, McIntyre RT**, Thibodeaux LV, **Copeland LA, Hochhalter AK.** “Ethnicity and Factors Associated with Medication Adherence in a Post-Discharge Medical Aid Program” Poster Presentation [19th Annual HMO Research Network Conference, April 16-18, 2013, San Francisco CA]
18. **Zeber JE**, “Updating the ISPOR Board of Directors on Medication Adherence Working Group projects” Invited Talk [International Society for Pharmacoepidemiology and Outcomes Research, May 19-23, New Orleans LA]

### Abstracts Accepted or Submitted

1. Fernandez W, Allred D, Jaramillo C, Eapen B, **Copeland LA, Zeber JE, Pugh MJ.** “ED Utilization Patterns among Veterans of Operation Enduring Freedom/Operation Iraqi Freedom/Operation New Dawn” Abstract Accepted [AMSUS 118th Annual Continuing Education Meeting, November 3-8, 2013, Seattle WA]
2. Zachariah JP, *McNeal CJ*, **Copeland LA, Sun FF**, Underland LJ, Cassidy-Bushrow AE. “Lipid Screening and Therapy in Youth: Temporal trends from 2002-2012” Abstract Submitted [American Heart Association Annual Conference: "Scientific Sessions 2013", November 16-20, 2013, Dallas TX]

## Appendix D Selected Formal Consultation

### September

- Alexandro Interian, Medication Adherence Methods discussion [Copeland, Zeber]

### October

- Brent Rocke, S&W Opth, discussion at CAHR to help develop protocol and methods to use VDW to assess impact of SWHP program for noncompliant DM patients [Copeland]
- Christine Wicke, Pharm.D. resident at CTVHCS, MPR analysis [Stock]

### February

- Lisa Ruiz, IRB and Study Design issues on chart review [Copeland]
- SRPH Career Fair Day [Copeland, Zeber]
- Peggy J. Pazzaglia, budget for RCT of Virtual reality intervention, PE, and CPT for PTSD [Copeland, Stock]
- Emory Martin and SW Pharmacy [Zeber]

### April

- Erin E Andrews, clinical psychologist, discussion on study design, IRB protocol, and submission process [Copeland]
- Resident, statistical modeling, analysis, and interpretation [Copeland]
- Henry Jackson Foundation, Bethesda MD, Veterans Metrics Initiative, proposal development [Copeland]
- David Blackburn in Mental Health [Zeber]

### May

- Brent Rocke, statistical modeling, analysis, and interpretation [Copeland]
- Marianna Naldi, SW Mental Health post-doc [Zeber]

### June

- Emory Martin [Zeber]

### July

- S&W PharmD, statistical consulting on diabetic matching study/propensity scoring methods [Stock]
- Louis Gamino, Mental Health study [Zeber]
- Paul Godley and SWHP pharmacy researchers [Zeber]
- David Blackburn [Zeber]

### August

- S&W PharmD, statistical consulting on diabetic matching study/propensity scoring methods [Stock]