



**CENTER FOR  
APPLIED HEALTH RESEARCH**



SCOTT & WHITE  
Healthcare



Department of  
Veterans Affairs



TEXAS A&M  
HEALTH SCIENCE CENTER

# Health Outcomes Core Annual Report 2011

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Co-Directors



**FY2011**

## Contents

<b>Organization</b> .....	<b>3</b>
History .....	3
Vision/Mission/Goals .....	4
<b>Goals FY2011</b> .....	<b>4</b>
<b>Achievements</b> .....	<b>5</b>
Productivity .....	5
<b>Key Notable Achievements</b> .....	<b>8</b>
<b>Fiscal Year 2012</b> .....	<b>9</b>
Directors' Statement .....	9
Vision FY2016 .....	9
Goals FY2012 .....	9
<b>Appendix A    Productivity by Quarter</b> .....	<b>11</b>
<b>Appendix B    Publications</b> .....	<b>13</b>
<b>Appendix C    Active Studies</b> .....	<b>15</b>

## Organization

### History

Scott & White Healthcare, with 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. CAHR conducts and supports 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 Associate Director Dr Laurel A Copeland.

The Health Outcomes Core conducts health services research focusing on severe mental illnesses and the management of care for complex patients with medical and psychiatric comorbidity. Dr Copeland and Dr John E Zeber serve as co-directors of HOC.



The focus of [Dr Copeland's](#) research is health care for patients with severe mental illness. Other research interests include the study of health care provided to new veterans

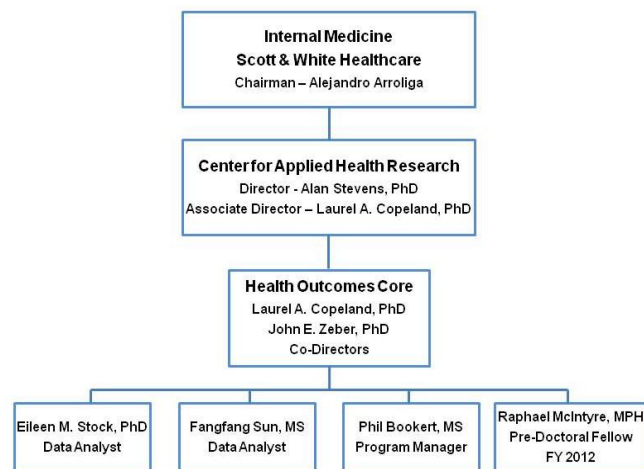
of the wars in Iraq and Afghanistan, many of whom have experienced both physical and psychological trauma and are at risk for severe mental illness. Her appointments include Investigator, Research Service, Central Texas Veterans Health Care System (Central Texas VA), Adjunct Professor at UT Health Science Center San Antonio, and Associate Professor, Tenure-In-Title Only in the College of Medicine, 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. His appointments include Investigator, Research Service, Central Texas VA, Adjunct Professor at UT Health Science Center San Antonio, Associate Professor in the College of Medicine, Texas A&M Health Science Center, and Associate Professor, School of Rural Public Health, Texas A&M University (pending).

During the first fiscal year of operations, September 2010 – August 2011, HOC achieved the following:

- Thirteen grant proposals submitted



- Three grant proposals awarded
- 23 manuscripts published
- Nine talks provided to Scott & White, national and international researchers.

At the end of FY2011 (August 2011), HOC personnel consisted of data analyst/programmers Eileen M Stock, PhD and Fangfang Sun, MS, and program manager Phil Bookert, MS. All HOC personnel maintain Without Compensation status within the Veterans Health Administration allowing them to assist with research on VA studies.

## Vision/Mission/Goals

The CAHR vision statement, *Become the national leader in applied health research*, reinforced by the mission statement, *Facilitate the integration of health research focused on improving care delivery and the well being of our community*, provided the research focus for HOC during FY2011.

The HOC Vision states: By the end of FY2016, HOC will be a self-sustaining organization conducting research 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 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; 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.

## Goals FY2011

HOC established the following goals to guide its research efforts in the first year of operation.

- Conduct health services research resulting in publishing new knowledge to improve the delivery of patient health care
- Integrate health services research results into Scott & White and VA clinical practices
- Develop collaborative research opportunities with central and south Texas clinical and research institutions
- Gain regional, national, and international exposure for Scott & White investigators and research
- Provide expertise and consultation services to external investigators
- Mentor beginning and intermediate researchers on health services research activities

The chart below provides a quick look at HOC productivity, as measured against established goals.

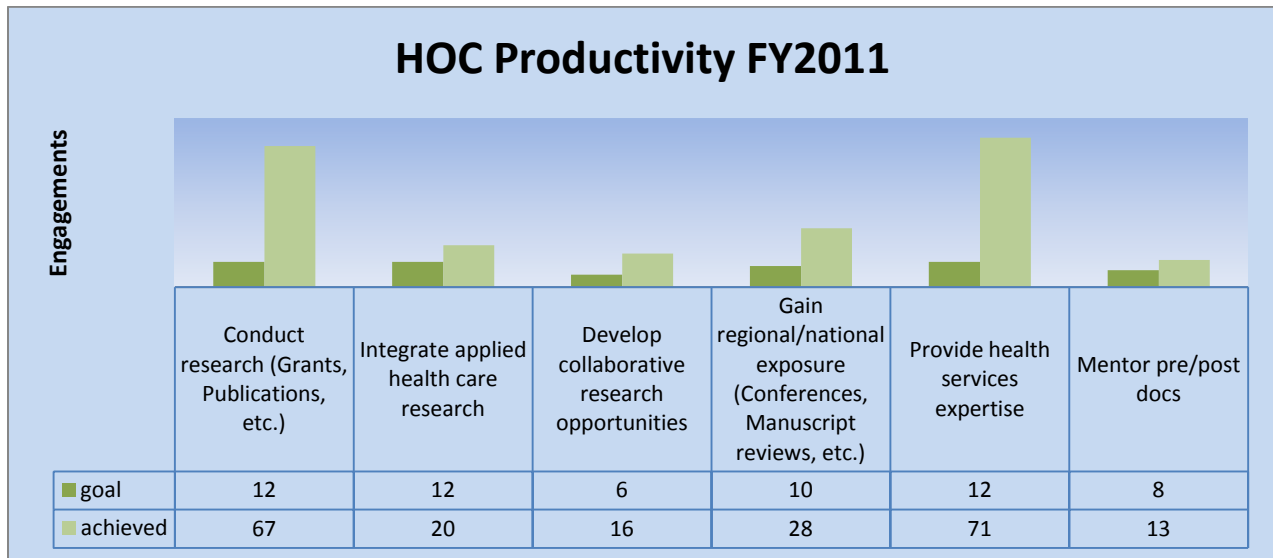


Table 1 – Annual HOC Productivity (per Number of Projects or Development Activities)

## Achievements

HOC published its achievements in four quarterly reports for FY2011. By reviewing the quarterly reports, productivity elements (metrics) can be traced to objectives, and objectives can be traced to one or more of the six goals. Measureable objectives provided the basis for determining whether goals and objectives were met. Details can be found in [Appendix A, Productivity by Quarter](#).

## Productivity

To determine whether HOC goals were met, measurable activities were tracked throughout the year and summarized in the quarterly reports. This traceability is reiterated below in a compressed format.

### 1. Conduct health services research resulting in publishing new knowledge to improve the delivery of patient health care – Achieved.

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

Metrics: Grants/Studies, Publications, Research project development

Activities: HOC submitted 13 proposals, of which three received funding, to seven agencies including one commercial sponsor. The funding agencies included: the National Institute of Mental Health (NIMH), National Institute of Drug Abuse (NIDA), National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the Agency for Healthcare Research and Quality (AHRQ), and VA Health Services Research & Development (HSR&D). In 4<sup>th</sup> Qtr 2011, sponsors awarded funding for two studies: “Evaluation of a Pulsed-Xenon Ultraviolet Room Disinfection Device for Impact on Contamination levels of C.diff and MRSA” [Xenex, Jinadatha – PI, Copeland & Zeber co-investigators] and “Advanced Center

for Interventions and Service Research (ACISR) for Optimizing Long Term Outcomes in Bipolar Illness Interventions in Hispanic Communities” [NIMH, Bowden – PI, Pilot PI – Zeber, Copeland and Zeber - Intervention Project Co-investigators]. Drs Copeland (PI) and Zeber (Co-Inv) also received funding for “Examining the Interaction of Ethnicity, Pain and Mortality among Veterans Undergoing Surgery” funded as a VA supplement to ongoing research. HOC researchers had 23 manuscripts published during the fiscal year with an additional seven manuscripts under review at year’s end. Additionally, HOC established or expanded collaborative activities with researchers in the HMO Research Network, and assumed institutional leadership roles in Mental Health, Drug Safety, and Implementation workgroups.

## **2. Integrate health services research results into Scott & White and VA clinical practices – Achieved.**

Objectives: Present to Scott & White clinicians two times per year; provide research expertise to Scott & White colleagues in regularly scheduled meetings at CAHR 10 times per year

Metrics: Teaching, Mentoring

Activities: To foster the integration of new knowledge into clinical practices, and advance the research expertise of beginning and intermediate researchers, Drs Copeland and Zeber hosted monthly education sessions for a Scott & White 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 organized a weekly mentoring session for up to 20 researchers from VA and Scott & White. During those sessions, HOC advised 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. As a result of these sessions, HOC met with and assisted more than 15 of the 20 researchers with proposal and manuscript preparation at Scott & White or VA.

## **3. Develop collaborative research opportunities with central and south Texas health care agencies – Achieved.**

Objectives: Develop four research contacts with TAMU, Baylor or UT; Develop collaborative research investigations to include researchers at VISN 17 Center of Excellence (CoE), Central Texas VA, South Texas VA, UTHSCSA, DAMC (Fort Hood) and BAMC/USAISR (SAMMC; Fort Sam Houston); Identify and collaborate with two agencies in the commercial healthcare industry

Metrics: Research Project Development

Activities: HOC enlarged a vibrant network of national and international collaborators. While maintaining and collaborating with contacts at the Bedford, Houston, and Puget Sound VAs, the University of Michigan, and with DoD researchers at Darnall Army Medical Center - Ft Hood and San Antonio Military Medical Center - Ft Sam Houston, HOC forged new collaborations with researchers at the Texas State University, Baylor and Texas A&M. Initiated by HOC and now hosted by VISN 17 COE, the VISN 17 Research Grand Rounds provides a monthly opportunity for sharing research interests and forging collaborations. In addition, HOC submitted proposals to two research sponsors in the commercial healthcare industry.

#### 4. Gain regional and national exposure for Scott & White investigators and research – Achieved.

Objectives: Attend three national or international conferences as speakers and poster presenters; Collaborate on research activities with nationally respected researchers; Serve on one Institutional Review Board (IRB); Review manuscripts for healthcare journals

Metrics: Conferences, Articles Reviewed, Leadership

Activities: HOC directors have continued to develop recognition as leaders in their fields of research. Both directors presented at national and international conferences, reviewed articles for major research journals and abstracts for the VA Health Services Research & Development annual conference, and sat on the Central Texas VA IRB. With a national reputation as a leading expert in VA datasets, Dr Copeland also chairs the Subcommittee for Information and Data Security for the Central Texas VA and has a lead role conducting comparative effectiveness analyses integrating VA data with HMORN data. Dr Zeber served as the Lead Guest Editor for a special edition for the journal *Depression Research and Treatment* on ethnic disparities in the area of depression care and continues to serve in a lead role in the International Working Group for Medication Compliance while collaborating with colleagues in Canada, England, Australia, Italy, and Kenya. He serves on the editorial board of the *World Journal of Psychiatry* and as a member of the Academy Health Behavioral Advisory Group. Dr Zeber also reviews abstracts for the International Society for Pharmacoeconomics and Outcomes Research.

#### 5. Provide expertise to external investigators – Achieved.

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 submitting proposals; provide information on research results, research processes, and data analysis techniques.

Metrics: Consulting, Research project development

Achievements: Many researchers, colleagues and clinicians sought the expertise of Drs Copeland and Zeber to guide and assist them through the research process, including topic selection and methodology, protocol and proposal development, identification and submission of proposals to funding agencies. They also consulted and assisted in the development and submission of scholarly manuscripts. Drs Copeland and Stock and Ms Sun provided statistical analysis used in jointly submitted proposals and manuscripts that resulted from consulting and collaborative efforts. Support to Scott & White included assisting and 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 VA's.

## 6. Mentor beginning and intermediate researchers in health services research activities – Achieved.

Objectives: Mentor eight junior researchers; establish a clinical research group.

Metrics: Mentoring

Activities: Drs Copeland and Zeber host a monthly clinical research group (S&W), consult with VA pharmacy residents on an ad hoc basis, and mentor thirteen individual researchers (post-docs, doctoral candidates and clinician-researchers) from VA, Scott & White and the Frontier Nursing University (dissertation committee). At the monthly research seminar, members presented their research ideas or problems to the forum for insight, comments and critiques. Individual researchers developed, with their mentors, a career plan to guide and monitor progress through the achievement of stated objectives (manuscript or proposal submission). HOC also proposed, developed, and successfully established a Scott & White Minority Pre-doctoral Research Fellowship. The candidate, Raphael McIntyre, was identified and will begin in FY2012.

### Key Notable Achievements

- Dr Laurel A Copeland
  - Notified by the Office of the Medical Inspector of the Veterans Health Administration that based on her research, the VHA's Office of the Medical Inspector initiated an outreach program to improve treatment of patients with schizophrenia – March 2011
  - Received appointment as Associate Professor Tenure-in-name-only in the Texas A&M Health Science Center College of Medicine - July 2011
- Dr John E. Zeber
  - Received appointment as Associate Professor in the Texas A&M Health Science Center College of Medicine - July 2011
  - Notified by the *Annals of Family Medicine*, that "Participatory decision making, patient activation, medication adherence and control of risk factors for complications for type-2 diabetes" (8(5):410-7) was one of the most read articles - January 2011
  - *World Journal of Psychiatry*, editorial board member - August 2011
  - Academy Health Behavioral Advisory Group member - August 2011
  - CAHR representative to Scott & White Health Plan Research Group
- Eileen M. Stock, MS PhD, was awarded a doctorate in Statistical Science by Baylor University - May 2011
- Raphael McIntyre, MPH, was identified as the first Scott & White Minority Research Pre-doctoral Research Fellow to join in FY2012.



## Fiscal Year 2012

### Directors' Statement

Building upon the infrastructure foundation, accomplishments, and objectives achieved during FY2011, 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. 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 investigators and projects, we expect to expand our collaborative sphere by bringing in highly skilled health services experts as affiliate investigators, such as Dr. Mary Jo Pugh, PhD. We aim to work more closely with and expand our circle of national and international collaborators. Finally, we envision even 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.

### Vision FY2016

By the end of FY2016, HOC will be a self-sustaining organization conducting research 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 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.

### Goals FY2012

#### 1. Conduct health services research resulting in publishing new knowledge to improve the delivery of patient health care.

Objectives: Develop and submit six grant/proposals; submit 15 scholarly articles; expand participation and collaboration in the HMORN environment to three studies.

Metrics – Grants/Studies, Publications, Research project development and assistance

#### 2. Integrate health services research results into Scott & White and VA clinical practices.

Objectives: Present to Scott & White clinicians two times per year; provide research expertise to Scott & White colleagues in regularly scheduled meetings at CAHR 10 times per year

Metrics– Teaching, Mentoring

**3. Develop collaborative research opportunities with Texas entities.**

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, DAMC and SAMMC.

Metric – Research project development and assistance

**4. Gain regional and national exposure for HOC investigators and research.**

Objectives: Attend three national or international conferences as speakers and poster presenters; Collaborate research activities with national respected researchers; serve as reviewers for six peer-reviewed healthcare journals; maintain membership in at least one IRB per year.

Metrics – Conferences, Articles Reviewed, Leadership

**5. Provide expertise to external investigators.**

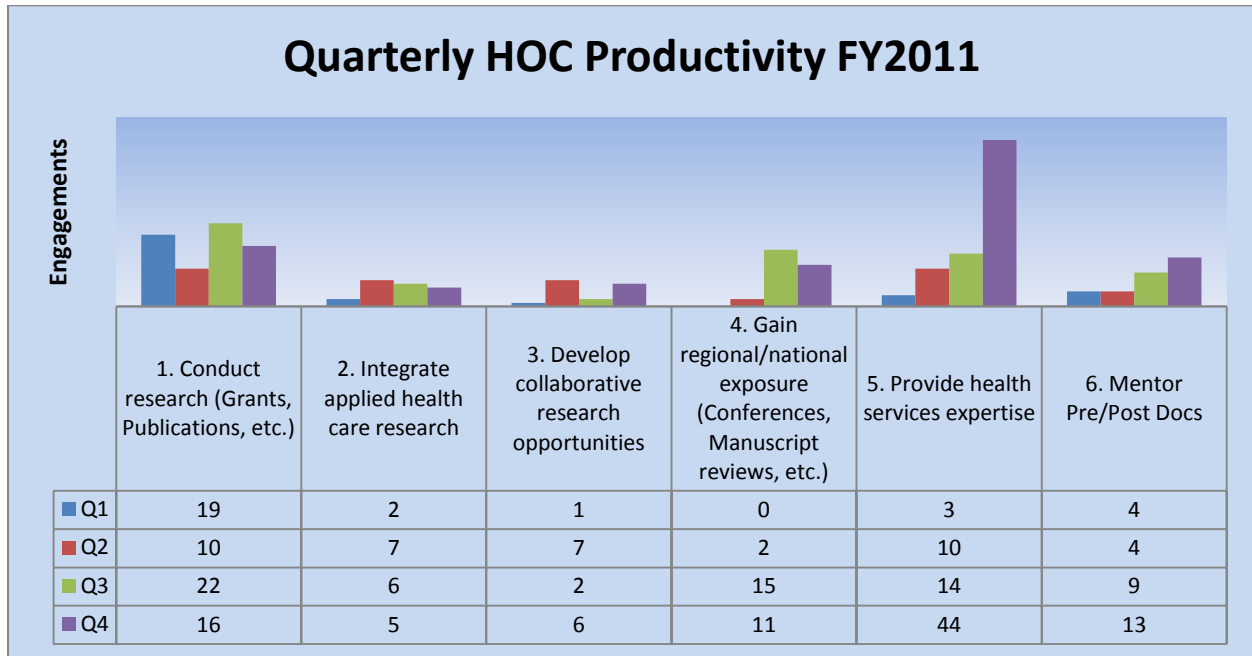
Objectives: Share research expertise by consulting with six researchers (assist researchers with study design and project evaluation; advise/assist researchers with data extraction and reduction; advise/assist with interpreting study results); assist external researchers with developing and submitting proposals; give two lectures that provide information on results, research processes, procedures, data analysis techniques.

Metrics – Consulting, Research project development and assistance

**6. Mentor beginning and intermediate researchers in health services research activities.**

Objective: Mentor eight beginning and intermediate researchers.

Metric: Mentoring



	<u>Q1</u>	<u>Q2</u>	<u>Q3</u>	<u>Q4</u>	
<b>1</b>	<u>19</u>	<u>10</u>	<u>22</u>	<u>16</u>	<u>Achieved</u>
<b>Conduct health services research resulting in publishing new knowledge to improve the delivery of patient health care.</b>					
Develop and submit four grant proposals	4	2	2	5	13
Submit eight manuscripts for publication		4	11	7	23
Publish eight manuscripts	13	3	3	4	23
Expand participation and collaboration in the HMORN environment	2	1	6		9
<b>2</b>	<u>2</u>	<u>7</u>	<u>6</u>	<u>5</u>	<u>Achieved</u>
<b>Integrate health services research results into S&amp;W and VA Clinical practices</b>					
Present to S&W Clinicians two times per year		4	3	2	9
Provide research expertise to S&W colleagues in regularly scheduled meetings at CAHR 10 times per year	2	3	3	3	11
<b>3</b>	<u>1</u>	<u>7</u>	<u>2</u>	<u>6</u>	<u>Achieved</u>
<b>Develop collaborative research opportunities with central and south Texas health care agencies</b>					
Develop four research contacts with TAMU, Baylor or UT	1	5	1	1	8
Develop collaborative research investigations to include researchers at VISN 17 CoE for Research on Returning War Veterans		1	1	4	6
Identify and collaborate with two agencies in the commercial health care industry.		1		1	2

	<u>Q1</u>	<u>Q2</u>	<u>Q3</u>	<u>Q4</u>	
<b>4 Gain regional and national exposure for HOC investigators and research</b>	<u>0</u>	<u>2</u>	<u>15</u>	<u>11</u>	<u>Achieved</u>
Attend three national or international conferences as speakers and poster presenters per year (abstracts and talks presented)		2	10	2	14
Maintain membership in at least one IRB per year (IRB&SIDS)			3		3
Serve as ad hoc reviewer for six medical journals (articles reviewed)			2	9	11
<b>5 Provide expertise to external investigators</b>	<u>3</u>	<u>10</u>	<u>14</u>	<u>44</u>	<u>Achieved</u>
Share research expertise by consulting with fellow health researchers		5	11	38	54
Assist external researchers with developing and submitting proposals (Research project development)		5	3	5	13
Give lectures that provide information on results, research processes, procedures, data analysis techniques four times.	3			1	4
<b>6 Mentor eight beginning and intermediate researchers in health services research activities in the areas listed.</b>	<u>4</u>	<u>4</u>	<u>9</u>	<u>13</u>	<u>Achieved</u>

**HOC Researchers** (*Italicized names identify mentored researchers*)

1. **Zeber JE, Miller AL, Copeland LA, McCarthy JF, Zivin K, Valenstein M, Greenwald D, Kilbourne AM: Medication adherence, ethnicity, and the influence of multiple psychosocial and financial barriers. *Administration and Policy in Mental Health* 2011, **38**(2):86-95. <http://pubmed.gov/20549327>**
2. **Stock EM, Stamey JD, Sankaranarayanan R, Young DM, Muwonge R, Arbyn M: Estimation of disease prevalence, true positive rate, and false positive rate of two screening tests when disease verification is applied on only screen-positives: a hierarchical model using multi-center data. *Cancer Epidemiol* 2011. <http://pubmed.gov/21856264>**
3. **Selinger S, Restrepo MI, Copeland LA, Pugh MJ, Nakashima B, Downs JR, Anzueto A, Mortensen EM: Pneumonia in the elderly hospitalized in the Department of Veteran Affairs Health Care System. *Mil Med* 2011, **176**(2):214-217. <http://pubmed.gov/21366087>**
4. **Perry TW, Pugh MJ, Waterer GW, Nakashima B, Orihuela CJ, Copeland LA, Restrepo MI, Anzueto A, Mortensen EM: Incidence of cardiovascular events after hospital admission for pneumonia. *Am J Med* 2011, **124**(3):244-251. <http://pubmed.gov/21396508>**
5. **Noel PH, Zeber JE, Pugh MJ, Finley EP, Parchman ML: A pilot survey of post-deployment health care needs in small community-based primary care clinics. *BMC Fam Pract* 2011, **12**:79. <http://pubmed.gov/21801356>**
6. **Gonzalez JM, Alegria M, Prihoda TJ, Copeland LA, Zeber JE: How the relationship of attitudes toward mental health treatment and service use differs by age, gender, ethnicity/race and education. *Soc Psychiatry Psychiatr Epidemiol* 2011, **46**(1):45-57. <http://pubmed.gov/19921079>**
7. **Dassori AM, Copeland LA, Zeber JE, Miller AL: Factors in second-generation antipsychotic switching patterns in a national sample of older veterans with schizophrenia. *Psychiatr Serv* 2011, **62**(1):47-53. <http://pubmed.gov/21209299>**
8. **Copeland LA, Zeber JE, Pugh MJ, Phillips KL, Lawrence VA: Ethnicity and race variations in receipt of surgery among veterans with and without depression. *Depress Res Treat* 2011, **2011**:370962. <http://pubmed.gov/22013518>**
9. **Copeland LA, Zeber JE, Bingham MO, Pugh MJ, Noel PH, Schmacker ER, Lawrence VA: Transition from military to VHA care: psychiatric health services for Iraq/Afghanistan combat-wounded. *J Affect Disord* 2011, **130**(1-2):226-230. <http://pubmed.gov/21051088>**
10. **Copeland LA, Ettinger AB, Zeber JE, Gonzalez JM, Pugh MJ: Psychiatric and medical admissions observed among elderly patients with new-onset epilepsy. *BMC Health Serv Res* 2011, **11**:84. <http://pubmed.gov/21504584>**
11. **Zeber JE, Copeland LA, Pugh MJ: Variation in antiepileptic drug adherence among older patients with new-onset epilepsy. *Ann Pharmacother* 2010, **44**(12):1896-1904. <http://pubmed.gov/21045168>**
12. **Zeber J, Parchman ML: Cardiovascular disease in type 2 diabetes: attributable risk due to modifiable risk factors. *Can Fam Physician* 2010, **56**(8):e302-307. <http://pubmed.gov/20705869>**
13. **Parchman ML, Zeber JE, Palmer RF: Participatory decision making, patient activation, medication adherence, and intermediate clinical outcomes in type 2 diabetes: a STARNet study. *Ann Fam Med* 2010, **8**(5):410-417. <http://pubmed.gov/20843882>**
14. **Noel PH, Copeland LA, Perrin RA, Lancaster AE, Pugh MJ, Wang CP, Bollinger MJ, Hazuda HP: VHA Corporate Data Warehouse height and weight data: opportunities and challenges for health services research. *J Rehabil Res Dev* 2010, **47**(8):739-750. <http://pubmed.gov/21141302>**

15. McCarthy JF, Valenstein M, Zivin K, Zeber JE, Kilbourne AM: **Access-related measures and out-of-system utilization among veterans with bipolar disorder.** *Psychiatr Serv* 2010, **61**(10):1035-1038. <http://pubmed.gov/20889645>
16. Finley EP, Zeber JE, Pugh MJ, Cantu G, Copeland LA, Parchman ML, Noel PH: **Postdeployment health care for returning OEF/OIF military personnel and their social networks: a qualitative approach.** *Mil Med* 2010, **175**(12):953-957. <http://pubmed.gov/21265301>
17. Copeland LA, Parchman ML, Zeber JE, Lawrence VA, Downs JR, Miller AL: **Prediabetes assessment and follow-up in older veterans with schizophrenia.** *Am J Geriatr Psychiatry* 2010, **18**(10):887-896. <http://pubmed.gov/20808110>
18. Arar N, Seo J, Lee S, Abboud HE, Copeland LA, Noel P, Parchman M: **Preferences regarding genetic research results: comparing veterans and nonveterans responses.** *Public Health Genomics* 2010, **13**(7-8):431-439. <http://pubmed.gov/20829581>

#### Mentored Researchers

1. *Williams EO*, Sickles HM, Dooley AL, Palumbos S, Bisogni AJ, Lin DM: **Delta protocadherin 10 is regulated by activity in the mouse main olfactory system.** *Front Neural Circuits* 2011, 5:9. <http://pubmed.gov/21897809>
2. *Punekar RS*, Short PF, Moran JR: **Use of psychotropic medications by US cancer survivors.** *Psychooncology* 2011. <http://pubmed.gov/21905155>
3. *Greenawalt DS*, *Tsan JY*, Kimbrel NA, Meyer EC, Kruse MI, Tharp DF, Gulliver SB, Morissette SB: **Mental health treatment involvement and religious coping among African American, Hispanic, and White Veterans of the Wars of Iraq and Afghanistan.** *Depress Res Treat* 2011, 2011:192186. <http://pubmed.gov/21785719>
4. *Parvez N*, *Jinadatha C*, Fader R, Huber TW, Robertson A, Kjar D, Cornelius LK: **Universal MRSA nasal surveillance: characterization of outcomes at a tertiary care center and implications for infection control.** *South Med J* 2010, **103**(11):1084-1091. <http://pubmed.gov/20926991>
5. *Ahn S*, *Phillips KL*, Smith ML, Ory MG: **Correlates of volunteering among aging Texans: the roles of health indicators, spirituality, and social engagement.** *Maturitas* 2011, **69**(3):257-262. <http://pubmed.gov/21600708>

## Appendix C

## Active Studies

### Primary Investigator

Project	Role	Sponsor
"Mental Health Treatment Preferences of OEF/OIF Veterans in South Texas"	PI Copeland, Co-Inv Zeber	HOGG FNDN (2009-2010)
"Patterns of Late-Life Healthcare among VA Patients with Schizophrenia"	PI Copeland, Co-Inv Zeber	VA HSR&D (2006-2010)
"Perioperative Outcomes and Safety in the Seriously Mentally Ill Elderly (POSSE)"	PI Zeber, Co-Inv Copeland	VA VISN 17 (2007-2009)
"Post-Deployment Health and Transition into VA Care"	PI Zeber, Co-Inv Copeland	VA HSR&D (2009)
"Surgical Treatment Outcomes for Patients with Psychiatric Disorders (STOPP)"	PI Copeland, Co-Inv Zeber	VA HSR&D (2009-2013)
"Tracking OEF/OIF Transition from DOD to VA"	PI Copeland, Co-Inv Zeber	VA HSR&D (2008)
"Patient Outcomes in Two Systems of Care"	PI Copeland, Co-Inv Zeber	N/A (2011-2015)

## Co-Investigator

Project	Role	Sponsor
"ABCs of Diabetes Care Management in Small Community Clinics"	PI - Parchman, Co-Inv Zeber	NIDDK (2009)
"Drug Related Overdoses Among a Military Population"	PI - Cooper, Co-Inv Copeland	DoD (2009-2011)
"Role of Clinical Team Functioning and Medication Adherence in Diabetes"	PI - Parchman, Co-Inv Zeber	VA HSR&D (2009-2010)
"Incorporating Medicare Pharmacy Data into an Analysis of Potentially Inappropriate Prescribing in Elderly Veterans"	PI - Pugh, Co-Inv Zeber	VA HSR&D (2009-2011)
"Identifying and Validating Complex Comorbidity Clusters in OEF-OIF Veterans (TRACC)"	PI - Pugh, Co-Inv Copeland	VA HSR&D (2010-2014)
"Impact of statins and ACE inhibitors on outcomes for pneumonia and sepsis"	PI - Mortensen, Co-Inv Copeland	NINR (2007-2010)
"Inappropriate Drug Use of Seniors: Should VA Adopt New HEDIS Measures? (HEDIS PIPE)"	PI - Pugh, Co-Inv Zeber, Copeland	VA HSR&D
"Obesity Care Practices in the Veteran's Health Administration"	Co-Inv Copeland	VA HSR&D (2009-2009)
"STRONG STAR (South Texas Research Organizational Network Guiding Studies on Trauma and Resilience)"	PI - Peterson, Co-Inv Copeland	DoD (2008-2013)
Serum Procalcitonin Levels in Various Infiltrative Pulmonary Disorders	PI – Malabonga, Co-Inv - Copeland	VA (2011-2012)
"Assessment of Psychiatric Disorders, Treatment Modalities, and Outcomes including Psychiatric Admission and Suicidality in Central Texas"	PI - Simon, Site PI - Copeland, Co-Inv Zeber	
"Assessment of Psychiatric Disorders, Treatment Modalities, and Outcomes including Psychiatric Admission and Suicidality in Central Texas"	PI - Soumerai, Site PI - Copeland, Co- Inv Zeber	NIMH (2011-2015)
"HMORN - Development of a Cardiovascular Surveillance System in the CVRN"	PI - McNeal, Coinv Copeland, Zeber	NHLBI (2009-2013)