

**AHS GRADUATE SCHOOL
SCHOLARLY ACTIVITY REPORT
FY12**

26 October 2012

1. The following is a summary report of all scholarly activity produced by graduate faculty from the Academy of Health Sciences Graduate School:
 - A. Publications: 93
 - B. Platform Presentations: 75
 - C. Poster Presentations: 62
 - D. Grant Activity (In-progress/Pending): 37 (\$12,425,033)
 - E. Invited Lectures: 61
 - F. Academic/Research Awards: 21
2. This report only covers the campus-based programs.
3. The following pages provide by-program details for the summary report.
4. POC for the FY12 Scholarly Activity Report is the undersigned.

Dean, Graduate School
Academy of Health Sciences

AHS GRADUATE SCHOOL SCHOLARLY ACTIVITY REPORT

The following is an FY07-12 summary report of all scholarly activity produced by graduate faculty from the Academy of Health Sciences Graduate School

| | FY07 | FY08 | FY09 | FY10 | FY11 | FY12 |
|---|---------|---------|---------|---------|---------|---------|
| A. Publications | 80 | 172 | 124 | 103 | 89 | 93 |
| B. Platform Presentations | 62 | 100 | 71 | 64 | 74 | 75 |
| C. Poster Presentations | 16 | 43 | 40 | 42 | 78 | 62 |
| E. Grand Activity (in-progress/pending) | \$10.9M | \$12.9M | \$19.5M | \$21.4M | \$19.4M | \$12.4M |
| D. Invited Lectures | 21 | 34 | 77 | 77 | 105 | 61 |
| F. Academic/ Research Awards | 10 | 21 | 19 | 9 | 15 | 21 |

Army-Baylor Graduate Program in Health & Business Administration

A. Publications:

1. Grant, J., Vargas, A. L., Holcek, R. A., Watson, C. H., Grant, J., & Kim, F. S. (accepted). "Is the ASVAB ST Composite Score a Reliable Predictor of First Attempt Graduation for the United States Operating Room Specialist Course?" *Military Medicine*.
2. Mellot, M., Thatcher, J., Roberts, N., & Carter, M. (2012). An Examination of the Role of the Military Medical Information Officer. *Military Medicine*, 177(7):850-855.
3. Mellott, M., Roberts N., and Thatcher J., An Examination of the Deployed Inpatient Electronic Medical Record. *The AAMA Executive Online*. September/October 2011.
4. Mihara, T, MSC, USN, Ph.D. "Organization Charts and Challenges for Fractal Geometry," *Project Management Journal* (Submitted).
5. Smith, C., Wood, S. & Beauvais, B. Thinking Lean: Implementing DMAIC Methods to Improve Efficiency Within a Cystic Fibrosis Clinic., *Journal for Healthcare Quality, Virtual Edition*, 2012, retrieved at [http://onlinelibrary.wiley.com/journal/10.1111/\(ISSN\)1945-1474/homepage/VirtualIssuesPage.html](http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1945-1474/homepage/VirtualIssuesPage.html).
6. Topinka, J. (2012) (Co-Author). 14 Principles of Ethical Conduct in Practice. *AMEDD Journal*, JAN-MAR (2012), 5-9.
7. Topinka, J. (2012) (Co-Author). Fiscal Law Overview. *AMEDD Journal*, JAN-MAR (2012), 25-29.
8. Topinka, J. (2012) (Co-Author). Public Health Emergency Law: A Primer for Leaders and Managers in the Military. *AMEDD Journal*, JAN-MAR (2012), 58-64.

B. Platform Presentations:

1. Beauvais, B. M., Kim, F. S., Johnson, L. (March 20, 2012). Association of University Programs in Health Administration Leaders Conference, Chicago, IL. "Portfolios in the Applied Setting: Assessing Student Performance & Competency Achievement in Graduate Health Management Education" (attendance: 50).
2. Chabalko, E.L, Lindsey, S.V., Thomas, M., Swift, D., Zucker, K., Mangelsdorff, A.D. Psychotherapy and Psychotropic Medications in the U.S. Military presented at the American College of Legal Medicine, New Orleans, LA, February, 2012.

3. Curtis, D.A., Thomas, M.M., Kim, F., Childress, C., Mangelsdorff, A.D. Factors Associated With TRICARE Beneficiaries' Aged 65+ Use of TRICARE Mail Order Pharmacy (TMOP) Presented at Annual Research Day, Graduate School, AMEDD Center & School, Fort Sam Houston, TX, September, 2011 (attendance: 175).
4. Huber, R., Weatherspoon, K., Swift, D., "The Ashley Treatment" Presentation, Centre for Bioethics and Human Dignity, Deerfield, IL July 2012.
5. Mangelsdorff, A.D. Global health, demographics, and water resources presented at University of Texas School of Public Health San Antonio, University of Texas School of Public Health San Antonio, San Antonio, TX, January, 2012.
6. Mangelsdorff, A.D. International Healthcare Systems and Water Resources Presented at International Military Student Executive Healthcare Resource Management course, San Antonio, TX, April, 2012.
7. Mellott, M., Thatcher, J., and Roberts, N. (2012) "Control Mechanisms and Electronic Medical Record Compliance in a Combat Environment: An Empirical Investigation," in the Proceedings of the Eighth Annual South Carolina Upstate Research Symposium, Spartanburg, South Carolina.
8. Mellott, M., Thatcher J., Roberts, N., Carter, M., and Grover, V., What are the Roles of the Medical Chief Information Officer? US Army Medical Department Center and School Graduate Research Day, Fort Sam Houston, TX, September 2011.
9. Swift, Douglas C. "The Future of Just War Theory." United States Army Leadership Ethics Conference, Fort Leavenworth, KS, July 2012 (Accepted).
10. Zucker K.W. Film as a Tool for Teaching Clinical Ethics, luncheon address, 21st Annual Meeting of the Association of Practical and Professional Ethics, Cincinnati, OH, 2012.
11. Zucker, K.W. Film as a Tool for Teaching Clinical Ethics, American College of Physicians, Texas Chapter Scientific Meeting, Austin, TX, 2011.

C. Poster Presentations:

1. Allen, B., Bentley, S., Bessler, C., Gomez, R., Smith M., Vargas, A., Zucker, K., Swift, D., Kruse, S. & Boyle, M. Professional Codes of Associations of Medical Administrators 52nd Annual Meeting of the American College of Legal Medicine, New Orleans, LA, 2012; and, as Codes of Ethics of Associations of Medical Administrators, for the Annual Meeting of the Center for Bioethics and Human Dignity, Trinity International University, Deerfield, IL, 2012.

2. Bentley, S.L., Bessler, C.A., Kim, F., Childress, C., Mangelsdorff, A.D. Factors Associated With Variation In MRI Usage Among United States Army Healthcare Facilities Presented at Annual Research Day, Graduate School, AMEDD Center & School, Fort Sam Houston, TX, September, 2011.
3. Carter, C., Kim, F., Mellott, M., Johnson, L., Boyle, M. & Zucker, K. Telehealth in the Veterans Health Administration, 19th Poster Session of the Association of Medical Service Corps Officers of the Navy in conjunction with the 117th Annual Meeting of the Association of Military Surgeons of the United States, San Antonio, TX, 2011.
4. Chabalko, E., Kim, F., Johnson, L. & Boyle, M. Dogtors: An Examination of Animal Assisted Therapy, 19th Poster Session of the Association of Medical Service Corps Officers of the Navy in conjunction with the 117th Annual Meeting of the Association of Military Surgeons of the United States, San Antonio, TX, 2011.
5. Chabalko, E., Lindsay, S., Thomas, M., Mangelsdorff, D., Zucker, K., Swift, D. & Kruse, S. Military Use of Psychotropic Medications and Psychotherapy, 52nd Annual Meeting of the American College of Legal Medicine, New Orleans, LA, 2012, and the 19th Poster Session of the Association of Medical Service Corps Officers of the Navy in conjunction with the 117th Annual Meeting of the Association of Military Surgeons of the United States, San Antonio, TX, 2011.
6. Gomez, R., Smith, M., Vargas, A., Swift, D., "Codes of Ethics Across the Medical Professions." Poster, Centre for Bioethics and Human Dignity, Deerfield, IL July 2012.
7. Gomez, R.H., Smith, M.B., Vargas, A.L., Swift, D.C., Zucker, K.W., Boyle, M.J. & Kruse, C.S. Codes of Ethics Across the Medical Professions, 52nd Annual Meeting of the American College of Legal Medicine, New Orleans, LA, 2012; the Annual Meeting of the Center for Bioethics and Human Dignity, Trinity International University, Deerfield, IL, 2012; and the 19th Poster Session of the Association of Medical Service Corps Officers of the Navy in conjunction with the 117th Annual Meeting of the Association of Military Surgeons of the United States, San Antonio, TX, 2011.
8. Horak, S.J., Kim, F.S., Johnson, L.J., Boyle, M.J. & Zucker, K.W. Medical Tourism and the Iron Triangle: A Look into the Cost, Access, and Quality Framework, 19th Poster Session of the Association of Medical Service Corps Officers of the Navy in conjunction with the 117th Annual Meeting of the Association of Military Surgeons of the United States, San Antonio, TX, 2011.
9. Kruse, C.S., Zucker, K.W., Swift, D.C. & Boyle, M.J. Film as a Tool for Teaching Clinical Ethics, 19th Poster Session of the Association of Medical Service Corps

Officers of the Navy in conjunction with the 117th Annual Meeting of the Association of Military Surgeons of the United States, San Antonio, TX, 2011.

10. Mangelsdorff, A.D. Leadership Development Lessons Through Classic Great Books Presented at the American Psychological Association, Orlando, FL, August, 2012.
11. Post, M., Sloan, C., Kruse, S., Swift, D. & Zucker, K. Codes of Ethics in the Behavioral Health Professions, 19th Poster Session of the Association of Medical Service Corps Officers of the Navy in conjunction with the 117th Annual Meeting of the Association of Military Surgeons of the United States, San Antonio, TX, 2011.
12. Swift, D.C., Zucker, K.W., Kruse, C.S. & Boyle, M.J. The Great Starvation Experiment, 19th Poster Session of the Association of Medical Service Corps Officers of the Navy in conjunction with the 117th Annual Meeting of the Association of Military Surgeons of the United States, San Antonio, TX, 2011.
13. Swift, D.C., Zucker, K.W., Kruse, C.S. & Boyle, M.J. The Great Starvation Experiment: Pacifism and Patriotism, the Annual Meeting of the Center for Bioethics and Human Dignity, Trinity International University, Deerfield, IL, 2012.
14. Zucker, K.W., Swift, D.C., Kruse, C.S. & Boyle, M.J. Film as a Tool for Teaching Medical, Ethics, the Annual Meeting of the Center for Bioethics and Human Dignity, Trinity International University, Deerfield, IL, 2012.
15. Zucker, K.W., Swift, D.C., Kruse, C.S. & Boyle, M.J. Film as a Tool for Teaching Medical, Organizational Ethics, 52nd Annual Meeting of the American College of Legal Medicine, New Orleans, LA, 2012.
16. Zucker, K.W., Swift, D.C., Kruse, C.S. & Boyle, M.J. Moments in Medical-Legal History: The Great Starvation Experiment, 52nd Annual Meeting of the American College of Legal Medicine, New Orleans, LA, 2012.

D. Grant Activity:

1. Johnson, L. (Co-Principal), Mangelsdorff, A. D. (Co-Principal), Sponsored Research, "Oral History of Army-Baylor Health Administration Program," Institute of Oral History, Baylor University, Funded. (\$2,500) (January 1, 2010 - December 1, 2012).
2. Kim, F. (Principal), Mangelsdorff, A.D., Johnson, L.M., Swift, D., and Beauvais, B. Sponsored Research: "Improving the interpersonal skills of young healthcare executives. Baylor University Funded (\$5,000) (June, 2011 – June, 2012).

E. Invited Lectures:

1. Bewley, L. (2011). Developing Providers as Strategic Leaders. 47th Combat Support Hospital Continuing Medical Education Symposium. Contingency Operating Base Adder, Iraq. November 14.
2. Kim, F. Defense Institute for Medical Operations, San Antonio, TX (May 2, 2012) "Population Health & Resource Management".
3. Kim, F. Defense Institute for Medical Operations, San Antonio, TX (May 2, 2012) "Healthcare Systems & Data Analysis".
4. Mihara, Thomas, MSC, USN, Ph.D. "Acuity Analysis" & "Access/Demand and Template Management" MHS Capstone and Healthcare Management Seminar, 6-10 Aug 2012. Joint Medical Executive Skills Institute (JMESI).
5. Swift, Douglas C. "When Assent is Good Enough." Presentation, Wounded Warrior – Unit Ministry Team Standards of Care Conference, San Antonio, TX October 2011.
6. Topinka, J. "Health Attorney Overview," Brown Mackie College, San Antonio, TX (21 August) 2012.
7. Zucker, K.W. Bioethics 101, Clinical Conference of the Warrior Transition Battalion-Europe, Heidelberg, Germany, 2012
8. Zucker, K.W. We are Never Far Away from Medical Ethics: It is All Around Us, Clinical Conference of the Warrior Transition Battalion-Europe, Heidelberg, Germany, 2012.
9. Zucker, K. W. & Boyle, M. J. Current Problems in Medical Ethics for Social Workers, Clinical Conference of the Warrior Transition Battalion-Europe, Heidelberg, Germany, 2012.
10. Zucker, K. W. & Boyle, M. J., Medical Ethics for Social Workers, Clinical Conference of the Warrior Transition Battalion-Europe, Heidelberg, Germany, 2012.
11. Zucker, K.W. & Swift D.C. Medical Ethics 101, Joint DoD/MEDCOM Health Care Law Conference, San Antonio, TX, 2012.
12. Zucker, K.W., Swift, D.C., Jefferson, T.C. & Kruse, C.S. Current Issues in Medical Ethics, Joint DoD/MEDCOM Health Care Law Conference, San Antonio, TX, 2012.

F. Academic or Research Awards:

1. National Association for Healthcare Quality, Journal for Healthcare Quality, Annual Impact Article of the Year: Smith, C., Wood, S. & Beauvais, B. Thinking Lean:

Implementing DMAIC Methods to Improve Efficiency Within a Cystic Fibrosis Clinic., *Journal for Healthcare Quality*, Volume 33, Issue 2, pages 37–46, March/April 2011.

U.S. Army Baylor University Doctoral Program in Physical Therapy

A. Publications:

1. Boissonnault WG, Ross MD. Physical Therapists Referring Patients to Physicians: A Review of Case Reports and Series. *Journal of Orthopaedic and Sports Physical Therapy*. 42:446-454;2012.
2. Boyles RE, Gorman I, Pinto D, Ross MD. Physical therapist practice and the role of diagnostic imaging. *Journal of Orthopaedic and Sports Physical Therapy*. 41:829-37;2011.
3. Breen AC, Teyhen DS, Mellor FE, Wong KWN, Deitz A. Measurement of Intervertebral Motion Using Quantitative Fluoroscopy: Report of an International Forum and Proposal for Use in the Assessment of Degenerative Disc Disease in the Lumbar Spine. *Adv in Orthopedics* 2012: 1-10; Article ID 802350, doi:10.1155/2012/80235.
4. Chad C, Ross MD, Isaacs R, Hegedus E. Investigation of non-mechanical findings during spinal movement screening for identifying and/or ruling-out metastatic cancer. *Pain Practice*. 12:426-433;2012.
5. Childs JD, Teyhen DS, Van Wyngaarden JJ, Dougherty BF, Ladislas BJ, Helton GL, Robinson ME, Wu SS, George SZ. Predictors of web-based follow-up response in the Prevention of Low Back Pain the Military Trial (POLM). *BMC Musculoskeletal Disord*. 2011; 12(1):132.
6. Cleland JA, Whitman JM, Houser JL, Wainner RS, Childs JD. Psychometric properties of selected tests in patients with lumbar spinal stenosis. *Spine J*. 2012; 2012; Jun 27. [Epub ahead of print].
7. Croy T, Saliba S, Saliba E, Anderson M, Hertel J. Differences in lateral ankle laxity measured via stress ultrasonography in individuals with chronic ankle instability, ankle sprain copers, and healthy individuals. *J Orthop Sports Phys Ther*. 2012(jospt 2012.3923).
8. Deyle GD, Allison SE, Hando BR, Rochino DA, Gill NW. Clinical prediction rule for patients with knee osteoarthritis who are unlikely to benefit from orthopaedic manual physical therapy intervention. *J Family Practice* 2012;(61)1:E1-E8 .
9. Deyle GD and Gill NW. The Manual Physical Therapist Approach to Knee Osteoarthritis. Accepted (In Press).

10. Flynn TW, Koppenhaver SL, Cleland JA, Hebert JJ. Spinal Manipulation Works- But Our Explanations Fail. *Manuelletherapie*. In press.
11. Fritz JM, Childs JD, Wainner RS, Flynn TW. Primary Care Referral of Patients With Low Back Pain to Physical Therapy: Impact on Future Healthcare Utilization and Costs. *Spine*. Ahead of Print. DOI: 10.1097/BRS.0b013e31825d32f5. PMID: 22614792.
12. Fritz JM, Koppenhaver SL, Kawchuk GN, Teyhen DS, Hebert JJ, Childs JD. Preliminary Investigation of the Mechanisms Underlying the Effects of Manipulation: Exploration of a Multi-variate Model Including Spinal Stiffness, Multifidus Recruitment, and Clinical Findings. *Spine*. 2011; 36(21):1772-1781. PMID: 21358568.
13. George SZ, Childs JD, Teyhen DS, Wu SS, Wright AC, Dugan JL, Robinson ME. Brief Psychosocial Education, Not Core Stabilization, Reduced Incidence of Low Back Pain: Results from the Prevention of Low Back Pain in the Military (POLM) Cluster Randomized Trial. *BMC Med* 2011; 9: 128.
14. George SZ, Childs JD, Teyhen DS, Wu SS, Wright AC, Dugan JL, Robinson ME. Predictors of Occurrence and Severity of First Time Low Back Pain Episodes: Findings from a Military Inception Cohort. *PLoS One* 2012; 7(2): e30597.
15. Gill NW, Mason BE, Gerber JP. Side to Side Anthropometric Ultrasound Measurement of the Lateral Abdominal Musculature: a Study of Competitive Collegiate Single Sided Rower. *Intl J of Sports Physical Therapy* 2012;(7)1:13-19.
16. Hando B, Gill N, Garber M, Walker M. Short and Long-term Clinical Outcomes Following a Standardized Program of Orthopaedic Manual Physical Therapy and Exercise in Individuals With Hip Osteoarthritis. Accepted (In Press). *Journal of Manual and Manipulative Therapy*.
17. Harris K, Deyle G, Gill N, Howes B. Manual Physical Therapist Approach to Injection-Confirmed Acromioclavicular Joint Pain. *J of Orthop and Sports Phys Ther*; Feb 2012;(42)2:66-80.
18. Hebert JJ, Koppenhaver SL, Teyhen DS, Walker BF, Fritz JM. The Evaluation of Lumbar Multifidus Muscle Function via Palpation: Reliability and Validity of a New Clinical Test. *Spine Journal*. In press.
19. Hebert JJ, Koppenhaver SL, Walker BF. Subgrouping Patients with Low Back Pain: A Treatment-Based Approach to Classification. *Sports Health Review*, 2011 Nov-Dec; 3(6): 534-542.

20. Koppenhaver S, Flynn T. Physical Examination. Physical Examination (Chapter 3). Neck and Arm Pain Syndromes: Evidence-informed Screening, Diagnosis and Management in Manual Therapy. Churchill Livingstone, 2011.
21. Koppenhaver SL, Fritz JM, Hebert JJ, Kawchuk GN, Childs JD, Parent EC, Gill NW, Teyhen DS. Association Between Changes in Abdominal and Lumbar Multifidus Muscle Function and Clinical Improvement After Spinal Manipulation. *J Orthop Sports Phys Ther.* 2011; 41(6):389-99.
22. Koppenhaver SL, Fritz JM, Hebert JJ, Kawchuk GN, Parent EC, Gill NW, Childs JD, Teyhen DS. Association Between History and Physical Examination Factors and Change in Lumbar Multifidus Muscle Thickness After Spinal Manipulation In Patients With Low Back Pain. *J Electromyogr Kinesiol.* 2012; Apr 17. [Epub ahead of print].
23. Mabry LM, Ross MD, Martin PA, Tall MA, Elliott RL. Globus Sensation Associated with Cervical Spondylolisthesis. *American Journal of Physical Medicine and Rehabilitation.* 90:615;2011.
24. Newman T, Croy T, Hart J, Saliba S. The Effects of Prophylactic Ankle Bracing on Dynamic Reach Distance and Obstacle Course Performance In Military Cadets. *Military medicine.* 2012 May;177(5):567-72.
25. Ross MD, Elliott RL. Acute knee hemarthrosis: A Case Report Describing Diagnosis and Management For a Patient on Anticoagulation Medication. *Physiotherapy Research International.* 16:120-123;2011.
26. Shaffer SW, Moore R, Foo S, Henry N, Moore JH, Greathouse DG. Clinical and Electrodiagnostic Abnormalities of the Median Nerve in US Army Dental Assistants at the Onset of Training. *US Army Med Dep J.* 2012 Jul-Sep:72-81. PubMed.
27. Sisson L, Croy T, Childress S, Hertel J. Comparison of Ankle Arthrometry and Stress Ultrasound To Assess the Anterior Talofibular Ligament In Healthy Ankles. *International Journal of Sports Physical Therapy.* 2011 December;6(4):297-305.
28. Stolze LR, Allison SC, Childs JD. Derivation of a Clinical Prediction Rule for Identifying a Sub-group of Patients With Low Back Pain Likely to Benefit From Pilates Exercise. *J Orthop Sports Phys Ther.* 2012; 42(5):425-36.
29. Teyhen DS, Childs JD, Stokes MJ, Wright AC, Dugan JL, George SZ. Abdominal and Lumbar Multifidus Muscle Size and Symmetry at Rest and During Contracted States: Normative Reference Ranges. *J Ultrasound Med.* 2012; 31(7):1099-110.
30. Teyhen DS, George SZ, Dugan JL, Williamson J, Neilson BD, Childs JD. Inter-rater Reliability of Ultrasound Imaging of the Trunk Musculature Among Novice Raters. *J Ultrasound Med.* 2011; 30(3):347-56.

31. Teyhen DS, Shaffer SW, Lorenson CL, Wood SL, Rogers SM, Dugan JL, Walker MJ, Childs JD. Reliability of Lower Quarter Physical Performance Measures in Healthy Service Members. *US Army Med Dep J*. 2011; Jul-Sep:37-49.
32. Teyhen DS, Shaffer SW, Lorenson CL, Halfpap JP, Donofry DF, Walker MJ, Dugan JL, Childs JD. The Functional Movement Screen: A reliability study. *J Orthop Sports Phys Ther*. 2012; 42(6):530-40.
33. Teyhen DS, Shaffer SW, Umlauf JA, Akerman RJ, Canada JB, Butler RJ, Goffar SL, Walker MJ, Kiesel KB, Plisky PJ. Automation to improve efficiency of field expedient injury prediction screening. *J Strength Cond Res*. 2012 Jul;26 Suppl 2:S61-72. PubMed .
34. Tonarelli J, Mabry L, Ross M. Diagnostic imaging of an Achilles Tendon Rupture. *Journal of Orthopaedic and Sports Physical Therapy*. 41:904;2011.
35. Wilken JM, Darter BJ, Goffar SL, Ellwein JC, Snell RM, Tomalis EA, Shaffer SW. Physical Performance Assessment in Military Service Members. *J Am Acad Orthop Surg*. 2012;20 Suppl 1:S42-7. PubMed .

B. Publications- Abstracts:

1. Allen CS, Deyle GD, Wilkens J, Gill NW. Stumble Recovery in Patients with Knee Osteoarthritis and the Observed Changes Following Manual Physical Therapist Intervention. AAOMPT Conference, Anaheim CA, Oct 2011.
2. Boissonnault WG, Ross MD. Clinical Factors Leading to Physical Therapists Referring Patients to Physicians: a Systematic Review Paper. Proceedings for the 2011 Annual Meeting of the Association of Military Surgeons of the United States Meeting, San Antonio, TX, Nov 2011.
3. Cook C, Ross MD, Isaacs R, Hegedus E. Investigation of Non-Mechanical Findings During Spinal Movement Screening For Identifying and/or Ruling-out Metastatic Cancer. *Journal of Manual and Manipulative Therapy*. 19:239-246;2011.
4. Fritz J, Hebert J, Koppenhaver S, Teyhen DS, Childs JD, Kawchuk G. Association between Spinal Stiffness and Outcomes in Subject with Low Back Pain Receiving Manipulation, *J Orthop Sports Phys Ther* 2011; 41(1): A12-3.
5. George SZ, Childs JD, Teyhen DS, Wu SS, Dugan JL, Wright AC, Robinson ME. First Episode of Self-Reported Low Back Pain During Military Service: Predictors from an Inception Cohort. *J Orthop Sports Phys Ther* 2012; 42(1): A37.
6. Koppenhaver S, Fritz J, Hebert J, Kawchuk G, Parent E, Teyhen, D, Childs, J. Association Between Changes in Abdominal and Lumbar Multifidus Muscle

- Thickness and Clinical Improvement After Spinal Manipulation, *J Orthop Sports Phys Ther* 2011; 41(1): A12.
7. Mabry LM, Ross MD, Martin PA, Tall MA, Elliott RL. Globus Sensation: An Unusual Presentation Associated With Cervical Spondylolisthesis. *Journal of Manual and Manipulative Therapy*. Abstract published at: http://www.maney.co.uk/images/pdf_site/JMT_Poster_Presentation_Selection_2011.pdf
 8. Parent EC, Breitzkreitz R, Ladd J, McIntosh K, Pauls D, Urhbach S, Koppenhaver S. A Pilot Sensitivity to Change Study of Rehabilitative Ultrasound Imaging of the Transversus Abdominis and Lumbar Multifidus in Patients with Low Back Pain. Abstracts, Canadian Physiotherapy Association Congress 2012, Saskatoon, Saskatchewan, May 24 – 27, 2012, A057, *Physiotherapy Canada* 64 Suppl 1, P28.
 9. Ross MD, Burley TR, Elliott RL. Retropharyngeal and Cervical Epidural Abscess: A Case Report Describing Presentation, Differential Diagnosis and Outcome In an Elderly Man. *Journal of Manual and Manipulative Therapy*. Abstract published at: http://www.maney.co.uk/images/pdf_site/JMT_Poster_Presentation_Selection_2011.pdf
 10. Ross MD, Childs JD, Middel C, Kujawa J, Brown D, Corrigan M, Parsons N. Physical Therapist and Physician Knowledge of Low Back Pain Management. *Journal of Orthopaedic and Sports Physical Therapy*. 42:A82; 2012.
 11. Ross MD, Childs JD, Middel C, Kujawa J, Brown D, Corrigan M, Parsons N. Physical Therapist and Physician Knowledge of Low Back Pain Management. *Journal of Manual and Manipulative Therapy*. 19:239-246;2011.
 12. Ross MD, Childs JD, Middel C, Kujawa J, Brown D, Corrigan M, Parsons N. Physical Therapist and Physician Knowledge of Low Back Pain Management. Proceedings for the 2011 Annual Meeting of the Association of Military Surgeons of the United States Meeting, San Antonio, TX, Nov 2011.
 13. Ross MD, Cook C, Isaacs R, Hegedus E. Investigation of Non-mechanical Findings During Spinal Movement Screening for Identifying and/or Ruling-out Metastatic Cancer. *Journal of Orthopaedic and Sports Physical Therapy*. 42:A21; 2012.
 14. Teyhen DS, Nelson LA, Koppenhaver SL, Honan LK, McKay AE, Young AR, Christie DS. Impact of Foot Type on Cost of Lower Extremity Injury. *J Orthop Sports Phys Ther* 2012; 42(1): A14.
 15. Teyhen DS, Shaffer SW, Umlauf JA, Akerman RJ, Canada JB, Butler RJ, Goffar SL, Kiesel KB, Walker MJ, Plisky PJ. Enhancing Efficiency Through Automation for a Comprehensive Injury Screening System. *J Orthop Sports Phys Ther* 2012; 42(1): A117.

16. Teyhen DS, Shumway JD, Avant KA, Saxion CE, Butler RJ, Shaffer SW, Plisky PJ. Discriminant Validity of Upper and Lower Quarter Y-Balance Tests in Healthy Service Members. *J Orthop Sports Phys Ther* 2012; 42(1): A24.

C. Platform Presentations:

1. Allen CS, Deyle GD, Wilkens J, Gill NW. Stumble Recovery in Patients with Knee Osteoarthritis and the Observed Changes Following Manual Physical Therapist Intervention. AAOMPT Conference, Anaheim CA, 30 Oct 2011.
2. Boissonnault WG, Ross MD (Ross). Clinical Factors Leading to Physical Therapists Referring Patients to Physicians: A Systematic Review Paper. Platform presentation for the Annual Meeting of the Association of Military Surgeons of the United States Meeting, San Antonio, TX, Nov 2011.
3. Childs JD, Wu SS, Teyhen DS, Robinson ME, George SZ (Childs). Prevention of Low Back Pain In the Military (POLM) Cluster Randomized Trial: Effects of Brief Psychosocial Education on Total and Low Back Pain-related Health Care Costs. Military Health System Research Symposium, Ft. Lauderdale, FL, Aug 2012.
4. Cook C, Ross MD, Isaacs R, Hegedus E (Cook). Investigation of Non-mechanical Findings During Spinal Movement Screening for Identifying and/or Ruling-out Metastatic Cancer. Platform presentation for the American Academy of Orthopedic Manual Physical Therapists Annual Meeting, Anaheim, CA, Oct 2011.
5. Fritz J, Wainner R, Flynn TW, Childs JD (Fritz). Primary Care Referral of Patients With a New Consultation for Low Back Pain to Physical Therapy: The Impact of the Timing and Content of Care on Healthcare Costs. Combined Sections Meeting, American Physical Therapy Association, Chicago, IL, Feb 2012.
6. George SZ, Childs JD, Teyhen DS, Wu SS, Dugan JL, Wright AC, Robinson ME. First Episode of Self-Reported Low Back Pain During Military Service: Predictors from an Inception Cohort. Combined Sections Meeting, American Physical Therapy Association, Chicago, IL, Feb 2012.
7. Harris K, Deyle G, Gill N, Howes B. Othopaedic Manual Physical Therapist Approach to Primary Acromioclavicular Joint Pain: A Prospective Cohort. AAOMPT Conference, Anaheim CA, 30 Oct 2011.
8. Hebert JJ, Fritz JM, Koppenhaver SL, Thackeray A, Teyhen D. Postoperative Outcome Following Lumbar Discectomy and Rehabilitation: Role of Lumbar Multifidus. Chiropractic and Osteopathic College of Australasia Annual Conference, Melbourne, VIC, Oct 2011.

9. Hebert JJ, Koppenhaver SL, Walker BF. Subgrouping Patients with Low Back Pain: An Updated Treatment-Based Approach to Classification. Chiropractic and Osteopathic College of Australasia Annual Conference (Platform Presentation). Melbourne, VIC. October 8, 2011. [Best Research Presentation Award]
10. Hebert JJ, Fritz JM, Koppenhaver SL, Thackeray A, Teyhen D. Postoperative Outcome Following Lumbar Discectomy and Rehabilitation: Role of the Lumbar Multifidus. Chiropractic and Osteopathic College of Australasia Annual Conference (Platform Presentation). Melbourne, VIC. October 8, 2011.
11. Mabry LM, Ross MD, Martin PA, Tall MA, Elliott RL (Mabry). Globus Sensation: An Unusual Presentation Associated With Cervical Spondylolisthesis. Poster presentation for the American Academy of Orthopedic Manual Physical Therapists Annual Meeting, Anaheim, CA, Oct 2011.
12. Ross MD, Burley TR, Elliott RL. Retropharyngeal and Cervical Epidural Abscess: A Case Report Describing Presentation, Differential Diagnosis and Outcome In an Elderly Man. Poster presentation for the American Academy of Orthopedic Manual Physical Therapists Annual Meeting, Anaheim, CA, Oct 2011.
13. Ross MD, Childs JD, Middel C, Kujawa J, Brown D, Corrigan M, Parsons N. Physical Therapist and Physician Knowledge of Low Back Pain Management. Poster presentation for the 2012 Combined Sections Meeting, Chicago, IL, Feb 2012.
14. Ross MD, Childs JD, Middel C, Kujawa J, Brown D, Corrigan M, Parsons N. Physical Therapist and Physician Knowledge of Low Back Pain Management. Annual Meeting, American Academy of Orthopaedic Physical Therapists, Anaheim, CA, Oct 2011.
15. Ross MD, Cook C, Isaacs R, Hegedus E. Investigation of Non-mechanical Findings During Spinal Movement Screening for Identifying and/or Ruling-out Metastatic Cancer. Platform presentation for the 2012 Combined Sections Meeting, Chicago, IL, Feb 2012.
16. Ross MD, Childs JD, Middel C, Kujawa J, Brown D, Corrigan M, Parsons N. Physical Therapist and Physician Knowledge of Low Back Pain Management. Platform Presentation for the Annual Meeting of the Association of Military Surgeons of the United States Meeting, San Antonio, TX, Nov 2011.
17. Ross MD, Childs JD, Middel C, Kujawa J, Brown D, Corrigan M, Parsons N. Physical Therapist and Physician Knowledge of Low Back Pain Management. Platform presentation for the American Academy of Orthopedic Manual Physical Therapists Annual Meeting, Anaheim, CA, Oct 2011.

18. Ross M, Childs JD, Middel C, Brown D, Parsons N, Kujawa J, Corrigan M. Physical Therapist Versus Family Practitioner Knowledge of Low Back Pain Management. Combined Sections Meeting, American Physical Therapy Association, Chicago, IL, Feb 2012.
19. Silvernail JL, Gill NW, Teyhen DS, Allison SC. Biomechanical Measures of Knee Joint Mobilization. Annual Conference, American Academy of Orthopaedic Manual Physical Therapists, Anaheim, CA, Oct 2011.
20. Teyhen DS, Nelson LA, Koppenhaver SL, Honan LK, McKay AE, Young AR, Christie DS. Impact of Foot Type on Cost of Lower Extremity Injury. Combined Sections Meeting, American Physical Therapy Association, Chicago, IL, Feb 2012.
21. Teyhen DS, Shumway JD, Avant KA, Saxion CE, Butler RJ, Shaffer SW, Plisky PJ. Discriminant Validity of Upper and Lower Quarter Y-Balance Tests in Healthy Service Members. Combined Sections Meeting, American Physical Therapy Association, Chicago, IL, Feb 2012.

D. Poster Presentations:

1. Hebert JJ, Koppenhaver SL, Fritz JM, Teyhen D, Walker BF. The Evaluation of Lumbar Multifidus Function via Palpation: Reliability and Validity of a New Clinical Test. Chiropractic and Osteopathic College of Australasia Annual Conference, Melbourne, VIC, Oct 2011.
2. Hebert JJ, Koppenhaver SL, Fritz JM, Teyhen D, Walker BF. The Evaluation of Lumbar Multifidus Function via Palpation: Reliability and Validity of a New Clinical Test. Chiropractic and Osteopathic College of Australasia Annual Conference (Poster Presentation). Melbourne, VIC. October 8, 2011.
3. Mraw B, Hoppes C, McCulloch K. Limb-salvage and Amputation in the Patient Injured in Combat: A Case Series with Recommendations for Quality of Life Outcome Measure Use. American Physical Therapy Association Combined Sections Meeting, Chicago, IL, Feb 2012.
4. Parent EC, Breitzkreitz R, Ladd J, McIntosh K, Pauls D, Urhbach S, Koppenhaver S. A Pilot Sensitivity to Change Study of Rehabilitative Ultrasound Imaging of the Transversus Abdominis and Lumbar Multifidus in Patients with Low Back Pain. Canadian Physiotherapy Association Congress (Poster Presentation). Saskatoon, SK. May 24-27, 2012.
5. Teyhen DS, Shaffer SW, Umlauf J, Akerman R, Canada B, Goffar SL, Walker M, Butler RJ, Kiesel KB, Plisky PJ. Efficiency of an automated injury prediction screening process. Combined Sections Meeting (Sports Section), Chicago, IL, Feb, 2012.

6. Teyhen DS, Shaffer SW, Umlauf JA, Akerman RJ, Canada JB, Butler RJ, Goffar SL, Kiesel KB, Walker MJ, Plisky PJ. Enhancing Efficiency Through Automation for a Comprehensive Injury Screening System. Combined Sections Meeting, American Physical Therapy Association, Chicago, IL, Feb 2012.
7. Teyhen DS, McArthur DR, Riebel MA, Savini MG, Goffar SL, Walker MJ, Plisky PJ. The Influence of Age and Sex on Power, Balance, Flexibility, and Functional Movement In Healthy Service Members. Combined Sections Meeting, American Physical Therapy Association, Chicago, IL, Feb 2012.
8. Teyhen DS, Kiesel KB, Shaffer SW, Clevenger GK, Jones MJ, Plisky PJ. Validation of a Regression Equation to Predict Dynamic Balance. Combined Sections Meeting, American Physical Therapy Association, Chicago, IL, Feb 2012.

E. Grant Activity (In-progress and Pending):

1. Childs, J.D.(PI). Implications of Timing and Quality of Physical Therapy and Chiropractic Care on Low Back Pain Utilization and Costs in the Military Health System. FY12 AFMSA/SG9S Intramural Grant Program (\$127,500). In Progress: 12/01/11-11/30/12.
Specific Aims: The specific aim of this study is to examine the cost implications of the decision to refer patients with a new episode of LBP from primary care providers to physical therapy or chiropractic care within the Military Health System.
2. Childs, JD (PI). Validation of the STarT Back Screening Tool in the Primary Care Management of Low Back Pain in the Military Health System: A Randomized Trial of Risk-stratified vs. Usual Care. DOD FY13 Clinical and Rehabilitative Medicine ARATDA and FY13 AFMSA/SG9S Intramural Grant Programs (\$869,390). Pending: 05/01/13-04/30/17.
Specific Aims: The specific aim of this study is to validate the clinical and cost effectiveness of the STarT Back Screening Tool in the primary care management of patients with low back pain in the Military Health System.
3. Chmielewski, TL (PI) Lower Extremity Loading and Post-Traumatic Knee Osteoarthritis. Peer Reviewed Orthopaedic Research Program and Investigator-Initiated Research Award (\$850,000). Pending: 05/01/13-04/30/17.
Specific Aims: The specific aim of this study is to examine the short-term effects of high-magnitude lower extremity loading on articular cartilage biomarkers and knee pain levels in people with traumatic knee injury.
4. Deyle GD, Rhon DI, Gill NW, Hando BR, Allison SA. OMPT versus corticosteroid injections for knee osteoarthritis. 2011 AAOMPT Research Grant (\$2500). In Progress.
5. Fitzgerald, G.K. (PI). Enhancing the Effectiveness of Physical Therapy for People with Knee Osteoarthritis. Agency for Healthcare Research and Quality (\$1,451,723)

In Progress: 05/01/11-04/30/15.

Specific Aims: The specific aim of this study is to compare the effects of delivering exercise therapy or exercise therapy supplemented with manual therapy techniques using periodic “booster sessions” versus not using “booster sessions” in reducing pain and improving physical function at one and two year follow-up periods.

6. Fitzgerald, GK (PI). Rehabilitation of Post-Traumatic Stiffness in the Lower Extremity: A Proof of Concept Study. Peer Reviewed Orthopaedic Research Program (\$650,000). Pending: 05/01/13-04/30/17.
Specific Aims: The specific aim of this study is to reduce joint contractures and stiffness following post-traumatic injury to the knee and/or ankle and examine whether improvements in joint motion and stiffness will be associated with beneficial changes in lower extremity biomechanical profiles during functional tasks. The study will also examine potential factors that could predict rehabilitation outcome, which could inform areas for treatment decision-making refinement as well as subject selection for subsequent broader comparative effectiveness clinical trials.
7. Hu, J. (PI) . Rehabilitation Robot (RehaBot). Small Business Innovation Research (Phase II) (\$36,648). In Progress: 02/15/10-02/14/12.
Specific Aims: The specific aim of this project is to develop an integrated reconfigurable haptic feedback robotic system that allows the implementation of multiple training procedures for upper and lower limbs.
8. Koppenhaver, SL (PI). Hierarchical Linear Models. University Teaching Development Grant, Baylor University (\$1,500). Awarded May 4-12, 2012.
9. Koppenhaver, SL (PI) .Using Structural Health Monitoring to Improve Diagnosis of Low Back Injury in U.S. Service Members. AMEDD Advanced Medical Technology Initiative (\$245,000). Pending: 09/10/2012
10. Moore JH, Sanders T, Teyhen DS, et al. Interactive Digital Foot Pressure and Shape Assessment to Enhance Clinical Reasoning and Patient Education for those with Foot Pathology . AMEDD Advanced Medical Technology Initiative (\$250,000). In Progress: 10/01/11-11/30/12. Application Log Number: 1548.
11. Piva, SR (PI). Effectiveness of an Intensive Exercise and Physical Activity Promotion Program Post Total Knee Arthroplasty. Peer Reviewed Medical Research Program and Clinical Trial Award (\$1,300,000). Pending: 05/01/13-04/30/17.
Specific Aims: The specific aim of this study is to compare the long-term effectiveness of a novel rehabilitation strategy versus a control group that receives current usual rehabilitative care post primary TKA. The novel rehabilitation program consists of Intense and Skilled exercises that integrates physical Activity Promotion (ISAP) delivered at a later stage at least 2 months post TKA.

12. Quillen, W. (PI). Improving Low Back Muscle Strength in Soldiers: A Randomized Trial. DoD FY10 Congressional Special Interest Appropriation and Musculoskeletal Interdisciplinary Research Initiative (\$715,256). In Progress: 10/1/11-09/30/13.
Specific Aims: The specific aim of this study is to assess the effectiveness of progressive resistance exercise training program to improve lumbar extensor muscle strength and endurance in Soldiers.
13. Rodeghero, JR (PI). The Influence of a Hybrid Orthopedic Residency on Clinical Outcomes for Patients with common Musculoskeletal Impatients Treated by Novice Physical Therapists. American Academy of Orthopaedic and Manual Physical Therapists Research Grant (\$6,000). In Progress: 01/01/12-12/31/13.
Specific Aims: The specific aim of this study is to investigate whether completion of a physical therapy orthopedic residency program improves patient outcomes and efficiency of care.
14. Teyhen, D.S., S.W. Shaffer, et al. (2009). Automated Musculoskeletal Injury Risk Identification Algorithms. Center for Physical Therapy Research, AMEDD, Advanced Medical Technology Initiative, Telemedicine and Advanced Medical Technology Research Center (\$239,547) Funded-in progress (03/01/2010-current). Collaborating Organizations: University of Evansville, Duke University.
Specific Aims: To develop an evidence based injury prevention screening tool that is automated.
15. Teyhen, D.S., S.W. Shaffer, et al. Military Specific Computerized Algorithms to Predict Musculoskeletal Injury. Fort Lewis, WA, Defense Medical Research and Development Program (\$1,322,245). Funded-in progress (05/01/2010-current). Proposal/Grant ID#: Application Log Number D10_I_AR_J5_951. Additional funds of \$302,000 received September 2012.
16. Tragord BS, Gill NW. Force Quantification and Therapist Reliability in Knee Joint Mobilizations in Patients With Osteoarthritis. 2012 RAMSCA Grant (\$600).
17. Wilken JM, Dingwell JB, Shaffer SW. Novel Methods for Identification of Concussion Associated Impairment in Blast Exposed Service Members. Department of Defense. U.S. Army Medical Research and Material Command, Military Operational Medicine Research Program, Stress and Psychological Resilience, (\$352,000). In Progress: 02/01/09-Current.
18. Wilken JM, Darter BJ, Shaffer SW. Factors influencing rehabilitation effectiveness in the restoration of physical function in the military amputee. Department of Defense. Military Amputee Rehabilitation Program. (\$415,000). In Progress: 06/01/09-Current.

F. Invited Lectures

1. Butler N, Knapik J, Papazis J, Pendergrass T, Scott S, Solomon Z, Teyhen D. Musculoskeletal Injury and Readiness – Risk, Assessment, and Prevention. Military Health System Conference, National Harbor, MD, Jan 2012.
2. Childs JD, “Clinical Decision-making for Patients with Low Back Pain”, Arizona Physical Therapy Association, Phoenix, AZ, Oct 2011.
3. Childs JD, “Clinical Decision-making for Patients with Low Back Pain”, Wisconsin Physical Therapy Association, Madison, WI, Oct 2011.
4. Childs JD, “Defining Value in Physical Therapy Care: More is Not Better, Less is Not Better, Better is Better”, Combined Sections Meeting, American Physical Therapy Association, Chicago, IL, Feb 2012.
5. Childs JD, “Low Back Pain for Primary Care Providers: An Evidence Based Approach”, Butte Premier Physical Therapy & Table Mountain Physical Therapy, Chico, CA, Nov 2011.
6. Childs JD, “The Black Hole of Billing: Meet Your Personal Billing Concierge!”, Annual Conference & Exposition of the Private Practice Section, Seattle, WA, Nov 2011.
7. Childs JD, Teyhen DS, George SZ. Prevention of Low Back Pain in the Military (POLM) Cluster Randomized Trial: Effect of Core Stabilization Exercise and Brief Psychosocial Education on Future Low Back Pain Episodes. AMSUS Annual Meeting, San Antonio, TX, Nov 2011.
8. Koppenhaver SL. Evidence Based Practice for Clinicians: Mountainland Rehabilitation Conference, Park City, UT, 28 Sep 2012.
9. Koppenhaver SL. How Manipulation Works and What it Means for Clinicians: Manipalooza, San Antonio, TX, 19 May 2012.
10. Koppenhaver SL. Trigger Point Dry Needling: Joint Operational Deployment Course, San Antonio, TX, 2 May 2012.
11. Koppenhaver SL. Dry Needling- An Evidenced Based Review: Texas Physical Therapy Specialists, New Braunfels, TX, 12 Nov 2011.
12. Ross, MD. Diagnostic Imaging in Orthopedic Physical Therapy (webinar) (0.5 CEUs). Asuza Pacific University, Asuza, CA, Aug 12.
13. Ross, MD. Diagnostic Imaging, Medical Screening, Medical Laboratory Evaluation, and Pharmacology for Physical Therapists (1.6 CEUs). The U.S. Air Force Advanced Physical Therapy Course. San Antonio, TX, Apr 12.

14. Ross, MD. Effective Integration of Diagnostic Imaging into Physical Therapist Practice. 2012 Combined Sections Meeting, Chicago, IL, Feb 12.
15. Teyhen DS. Functional Movement Assessments. Conference on Functional Movement, Preventing Injury through Functional Movement Assessment: What We Know, What We Don't Know, and Where We Go From Here. Uniformed Services University Consortium for Health and Military Performance (CHAMP), Bethesda, MD, Sept 2012.
16. Teyhen DS, Goss D. Feet, Shoes, & Injuries: Using Intrinsic & Extrinsic Risk Factors for Overuse Injuries to Maximize Treatment & Prevention, American Physical Therapy Association, Combined Sections Meeting, Chicago, IL, Feb 2012.
17. Teyhen DS, Umlauf J, Akerman R, Canada B, Shaffer SW, Goffar SL, Walker M, Butler RJ, Kiesel KB, Plisky PJ. Efficiency of an Automated Injury Prediction Screening Process. AMSUS Annual Meeting, San Antonio, TX, Nov 2011.
18. White D, Teyhen DS, Adrian L, Delaune MF, Elliott J. Panel Discussion: Ultrasound Imaging & Scope of Practice. American Physical Therapy Association, Combined Sections Meeting, Chicago, IL, Feb 2012.

G. Academic or Research Awards:

1. Childs JD, Chattanooga Research Award, American Physical Therapy Association, "Examination of a Clinical Prediction Rule to Identify Patients With Neck Pain Likely to Benefit From Thoracic Spine Thrust Manipulation: A Multi-center Randomized Clinical Trial", 2011.
2. Childs JD, Biomedical Clinician Field Grade Officer of the Year, Air Education and Training Command, 2011.
3. Childs JD, Joint Service Achievement Medal, Joint Combat Casualty Research Team, U.S. Central Command, Bagram, Afghanistan, 2012.
4. Childs JD, COL David G. Greathouse Excellence in Research Award, US Army-Baylor University Doctoral Program in Physical Therapy, "Family Practitioner vs. Physical Therapist Knowledge of Simple Low Back Pain Management in the U.S. Air Force", 2012.
5. Childs JD, Outstanding Paper Award, The Spine Journal, "Prevention of Low Back Pain in the Military (POLM) Cluster Randomized Trial: Effects of Brief Psychosocial Education on Total and Low Back Pain-related Health Care Costs", 2012.
6. Childs JD, Research and Development Award, Association of Military Surgeons of the United States (AMSUS), 2012.

7. Gill N, American Academy of Orthopaedic Manual Physical Therapists (AAOMPT) Kaltenborn Teaching Award.
8. Koppenhaver SL. Best Research Presentation Award, Chiropractic and Osteopathic College of Australasia Annual Conference, 2011.
9. Koppenhaver SL. Best Abstract Award, Army Medical Department Graduate School Research Day, 2011.
10. Ross MD, Recipient of Best Research Report Award for the 2012 Pennsylvania Physical Therapy Association Annual Meeting, Lancaster, PA, October 2012.
11. Ross MD, COL David G. Greathouse Excellence in Research Award, US Army-Baylor University Doctoral Program in Physical Therapy, 2012.
12. Shaffer SW. 2012 Army Medical Specialist Corp/Colonel Mary Lipscomb Hamrick Lifetime Research Achievement Award.
13. Teyhen DS, Shaffer SW, Umlauf J, Akerman R, Canada B, Goffar SL, Walker M, Butler RJ, Kiesel KB, Plisky PJ. Efficiency of an Automated Injury Prediction Screening Process. 2011 Army Medical Department Center and School Graduate School Research Presentation Award Winner.

Doctorate of Pastoral Ministry

A. Publications:

1. Swift, DC. The Future of Just War Theory. United States Army Leadership Ethics Conference, Fort Leavenworth, KS, July 2012 (Accepted).
2. Swift, DC. Hurry up and Wait = Ministry Opportunities. Pentecostal Messenger Leadership Journal. 85 (2011):8.

B. Platform Presentations:

1. Huber, R., Weatherspoon, K., Swift, D., The Ashley Treatment. Presentation, Centre for Bioethics and Human Dignity, Deerfield, IL July 2012.
2. Swift, DC. When Assent is Good Enough. Presentation, Wounded Warrior - Unit Ministry Team Standards of Care Conference, San Antonio, TX October 2011.
3. Swift, DC., Zucker, KW. Ethical Decision Making Models. 39th Annual World Medical Congress, Nigeria, November 2011 (Accepted).

4. Swift, DC., Zucker, KW. Using Film to Teach Ethics. Asian Pacific Medical Education Conference, Singapore, January 2012 (Accepted).
5. Swift, DC., Zucker, KW., Kruse, C., Boyle, M., Film as a Teaching Tool for Medical Ethics. Presentation, United Nations Conference on Teaching Bioethics, March 2012 (Accepted).
6. Swift, DC., Zucker, KW., Kruse, C., Boyle, M., Film as a Teaching Tool for Medical Ethics. Presentation, Centre for Bioethics and Human Dignity, Deerfield, IL July 2012.
7. Zucker, KW., Jefferson, T., Boyle, M., Swift DC., The US Army-Baylor 7-Step Decision-Making Models. Presentation, United Nations Conference on Teaching Bioethics, March 2012 (Accepted).

C. Poster Presentations:

1. Allen, B., Swift, D., et al. Codes of Ethics of Associations of Medical Administrators. Poster, Centre for Bioethics and Human Dignity, Deerfield, IL July 2012.
2. Fandre, M., Henery, M., McKenna, C., Swift, D., Zucker, K., Boyle, M., Kruse, C., Organizational Ethics in the Graduate Academic Setting. 20th Annual Poster Session of the 118th Annual Meeting of Association of Military Surgeons of the United States, August 2012 (Accepted).
3. Gomez, R., Smith, M., Vargas, A., Swift, D., Codes of Ethics Across the Medical Professions. Poster, Centre for Bioethics and Human Dignity, Deerfield, IL July 2012.
4. Hillard, J., Hine, C., Poncevega, J., Swift, D., Zucker, K., Kruse, C., Boyle, M., Ethical Considerations Regarding Plan B. 20th Annual Poster Session of the 118th Annual Meeting of Association of Military Surgeons of the United States, August 2012 (Accepted).
5. McKay, J., Slamen, R., Yarbrough, M., Swift, D., Zucker, K., Boyle, M., Kruse, C., Provisions of the Affordable Care Act Examined Using and Ethical Continuum Tool. 20th Annual Poster Session of the 118th Annual Meeting of Association of Military Surgeons of the United States, August 2012 (Accepted).
6. Swift, D., Zucker, K. Bioethics 101: So, You Are Going to Be on the Ethics Committee. 20th Annual Poster Session of the 118th Annual Meeting of Association of Military Surgeons of the United States, August 2012 (Accepted).

7. Swift, D., Zucker, K., Boyle, M., Slitzer, A., Ethics in Film: End-of-Life Decision-Making. 20th Annual Poster Session of the 118th Annual Meeting of Association of Military Surgeons of the United States, August 2012 (Accepted).

D. Grant Activity: (None)

E. Invited Lectures: (None)

F. Academic or Research Awards: (None)

US Army Graduate Program in Anesthesia Nursing

B. Publications:

1. Anderson W., Barrows M., Lopez F., Rogers S., Ortiz-Coffie A., Norman D., Hodges J., Barnes D., McDonald K., McCall S., Johnson A., Ceremuga T. Investigation of the Anxiolytic Effects of Naringenin, a Component of Mentha Aquatica (Mint), in the Male Sprague-Dawley Rat, Holistic Nursing Practice, January 2012.
2. Anderson, S., Johnson, S., Johnson, D., Loughren, M., To Change or Not to Change a Multiple Choice Answer, online at <http://www.aana.com/> 2012.
3. Anderson W., Barrows M., Lopez F., Rogers S., Ortiz-Coffie A., Norman D., Hodges J., Barnes D., McDonald K., McCall S., Johnson A., Ceremuga T. Investigation of the Anxiolytic Effects of Naringenin, a Component of Mentha Aquatica (Mint), in the Male Sprague-Dawley Rat, online at <http://www.aana.com/> 2012.
4. Bellenger, S., Livingston, M., Baldwin, P., Bradshaw, F., Gegel, B., Johnson, D., Loughren, M., Pharmacokinetics of Intramuscular, Intravenous, and Intraosseous Atropine in Normovolemic Swine, online at <http://www.aana.com/> 2012.
5. Brennan, A., Francis, M., Nales, H., Perez, H., Scott, T., Gegel, B., Burgert, J., Loughren, M., Johnson, D., The Effects of Fluid Resuscitation on Rebleeding When BleedArrest Is Used in a Porcine Model of Lethal Femoral Injury, online at <http://www.aana.com/> 2012.
6. Budinich, C., Chen, H., Lowe, D., Rosenberger, J., Bernstock, J., McCabe, J. Mouse Brain PSA-NCAM Levels Are Altered by Graded-Controlled Cortical Impact Injury. Neural Plasticity, 2012.
7. Burgert J., Gegel B., Loughren M., Desai M., Lewis P., Ceremuga T., O'Sullivan J., Johnson D. A Comparison of Tibial Intraosseous (IO), Sternal IO, and Intravenous (IV) Routes of Administration on the Pharmacokinetics of Epinephrine during Cardiac Arrest: A Pilot Study, AANA Journal August, 2012.

8. Burgert J., Gegel B., Loughren M., Desai M., Lewis P., Ceremuga T., O'Sullivan J., Johnson D. A Comparison of Tibial Intraosseous (IO), Sternal IO, and Intravenous (IV) Routes of Administration on the Pharmacokinetics of Epinephrine during Cardiac Arrest: A Pilot Study, AANA Journal 2012.
9. Burgert J., Gegel B., Neal A., Kammer K., Paul M., Schwartz D., Loughren M., Johnson A. Effects of Arterial Blood Pressure on Rebleeding when BleedArrest, TraumaDex, and Celox are Used for Hemorrhage Control, Military Medicine 2012.
10. Ceremuga T., Johnson L., Adams-Henderson, J., McCall S., Johnson A., Investigation of the Anxiolytic Effects of Xanthohumol, a Component of Humulus lupulus (Hops), in the Male Sprague-Dawley Rat, AANA Journal, In press.
11. Cornell, M., Kelbaugh, J., Todd, B., Christianson, K., Grayson, K., O'Sullivan, J., Johnson, D., Loughren, M., Pharmacokinetics of Sternal and Tibial Intraosseous Atropine Administration in Normovolemic and Hypovolemic Swine, AANA Journal 2012.
12. Countouriotis, M., Boon, P., Krum, P., Means, M., Johnson, D., Joseph O'Sullivan, J., Loughren, M., Pharmacokinetic Analysis of Lipid Rescue in a Porcine Model with Lethal Bupivacaine Toxicity, AANA Journal 2012.
13. Gasko J., Sherner J., Gegel B., Burgert J., Franzen T., Sama S., Johnson D. The Effects of Using Simulation vs. CD-ROM in the Performance of Ultrasound Guided Regional Anesthesia, AANA Journal August, 2012.
14. Gegel, B; Burgert, J; Gasko, J; Campbell, C; Martens, M; Keck, J; Reynolds, H; Loughren, M; Johnson, A. The Effects of QuikClot Combat Gauze™ and Movement on Hemorrhage Control in a Porcine Model, Military Medicine, In press.
15. Gegel, B., Burgert, J., Loughren, M., Johnson, D. The Effects of BleedArrest on Hemorrhage Control in a Porcine Model, AMEDD, In press.
16. Hudson, A., Bolin, S., Bishop, M., Schmidt, R., Johnson, D., O'Sullivan, J., Comparing Resuscitative Measures for Bupivacaine Toxicity Utilizing Lipid Emulsions in a swine model (Sus scrofa), AANA Journal 2012.
17. Johnson, D., Agee, S., Reed, A. Effects of Hemodilution on Rebleeding When QuikClot Combat Gauze Used, AMEDD, In press.
18. Johnson, D., Agee, S., Reed, A. Effects of Hemodilution on Rebleeding When QuikClot Combat Gauze Used, AANA Journal 2012.

19. Johnson, D., Corrigan, T., Gulickson, G., Holshouser, E., Johnson, S. The Effects of a Human Patient Simulator vs. a CD-ROM on Performance, *Military Medicine*, In press.
20. Johnson, D., Johnson, S. The Effects of Using a Human Patient Simulator compared to a CD-ROM in Teaching Critical Thinking and Performance, *AMEDD*, In press.
21. Johnson L., Adams-Henderson, J., McCall S., Johnson A., Ceremuga T., Investigation of the Anxiolytic Effects of Xanthohumol, a Component of *Humulus lupulus* (Hops), in the Male Sprague-Dawley Rat, *AANA Journal* 2012.
22. Kelly, E., McFarland, D. Anaphylaxis During General Anesthesia, *Simulation in Healthcare*, August 2012.
23. Kilbourn, J., Worth, K., Johnson, D., Loughren, M., Comparison of Sternomastoid Muscle Paralysis After Intravenous and Intraosseous Injection of Succinylcholine in a Normovolemic Porcine Model, *AANA Journal* 2012.
24. Martens, M., Campbell, C., Keck, J., Reynolds, H., Burgert, J., Gasko, J., Gegel, B., Johnson, D., The Effects of QuikClot Combat Gauze and Movement on Hemorrhage Control in a Porcine Model, *AANA Journal* 2012.
25. Nemeth, M., McConnico, A., Prichard, D., Williams, G., Johnson, D., Loughren, M., Pharmacodynamics of Intravenous and Intraosseous Rocuronium in Hypovolemic Swine, online at <http://www.aana.com/> 2012.
26. Portenlanger, P., Banks, S., Naluan, C., Wendorf, A., Johnson, D., Loughren, M., Pharmacodynamics of Intravenous and Intraosseous Rocuronium in Swine, online at <http://www.aana.com/> 2012.
27. Todd, B., Austin, P., Placement of Peripheral Nerve Blocks, *AANA Journal* 2012.
28. Ruemmler, M., Angeles, C., Barrows, M., Bradley, F., Burgess, E., Corona, W., Hawksley, T., Vale-Dominguez, A., Gegel, B., Burgert, J., Loughren, M., Johnson, D., The Effects of BleedArrest on Hemorrhage Control in a Porcine Model, online at <http://www.aana.com/> 2012.

C. Platform Presentations:

1. Agee, S., Reed, A., Gegel, B., Burgert, J., Gasko, J., Loughren, M., Johnson, D., The Effects of QuikClot Combat Gauze on Hemorrhage Control in The Presence of Hemodilution, *AANA Annual Meeting in San Francisco, California*, August 2012.

2. Agee, S., Reed, A., Gegel, B., Burgert, J., Gasko, J., Loughren, M., Johnson, D., The Effects of QuikClot Combat Gauze on Hemorrhage Control in The Presence of Hemodilution, Kaiser Permanente Moanalua, Hawaii, September 2012.
3. Anderson, S., Johnson, S., Loughren, M., Johnson, D. To Change or Not to Change a Multiple Choice Answer, 17th Biennial Phyllis J. Verhonick Nursing Research Course, San Antonio, Texas, May 2012.
4. Burgert J., Gegel B., Loughren M., Desai M., Lewis P., Ceremuga T., O'Sullivan J., Johnson D. A Comparison of Tibial Intraosseous (IO), Sternal IO, and Intravenous (IV) Routes of Administration on the Pharmacokinetics of Epinephrine During Cardiac Arrest: A Pilot Study, AANA Annual Meeting in San Francisco, California, August 2012.
5. Dunning, M. and Elliott, A. Regional Anesthesia and Ultrasound, AANA Annual Meeting in San Francisco, California, August 2012.
6. Gasko J. The Effects of Using Simulation vs. CD-ROM on the Performance of Ultrasound Guided Regional Anesthesia was accepted for the Pacific Institute of Nursing Conference, March 2012.
7. Gasko J., Sherner J., Gegel B., Burgert J., Franzen T., Sama S., Johnson D. The Effects of Using Simulation vs. CD-ROM in the Performance of Ultrasound Guided Regional Anesthesia, AANA Annual Meeting in San Francisco, California, August 2012.
8. Gegel, B., Burgert, J., Gasko, J., Loughren, M., & Johnson, A. The Effects of QuikClot Combat Gauze on Hemorrhage Control in a Porcine Model, 2nd Annual Graduate School Research Day, AMEDDC&S, San Antonio, Texas, October 2012.
9. Hudson, A., Schmidt, R., Bolin, S., Bishop, M., Loughren, M., Johnson, A., & O'Sullivan, J. Comparative Resuscitation Measures for Bupivacaine Toxicity Utilizing Lipid Emulsions in Swine (*Sus Scrofa*), 2nd Annual Graduate School Research Day, AMEDDC&S, San Antonio, Texas, October 2012.
10. Johnson, D., et al. The Effects of QuikClot(TM) and Movement on Hemorrhage Control in a Porcine Model, 17th Biennial Phyllis J. Verhonick Nursing Research Course, San Antonio, Texas, May 2012.
11. Johnson, D., et al. The Effects of Fluid Administration on Clotting When QuikClot is Used, 17th Biennial Phyllis J. Verhonick Nursing Research Course, San Antonio, Texas, May 2012.
12. Loughren, M., Portenlänger, P., Banks, S., Naluan, C., Wendorf, A., Johnson, A. Pharmacodynamics of Intravenous and Intraosseous Rocuronium in Swine, 17th

Biennial Phyllis J. Verhonick Nursing Research Course, San Antonio, Texas, May 2012.

13. Loughren, M., Nemeth, M., Williams, G., Prichard, D., Johnson, A., Pharmacodynamics of Intravenous and Intraosseous Rocuronium in Hypovolemic Swine, 17th Biennial Phyllis J. Verhonick Nursing Research Course, San Antonio, Texas, May 2012.
14. Loughren, M., Bellenger, S., Livingston, M., Baldwin, P., Bradshaw, F., Gegel, B., Johnson, D. Pharmacokinetics of IM, IV and IO Atropine in Normovolemic Swine, 17th Biennial Phyllis J. Verhonick Nursing Research Course, San Antonio, Texas, May 2012.
15. Onstott, T. Catheter Associated Urinary Tract Infection (CAUTI) Prevention in the Intensive Care Unit: An Evidence Based Practice Approach at the Iota Tau Chapter of Sigma Theta Tau International and Creighton University Medical 23rd Annual Research Day, May 2012.
16. O'Sullivan, J., Hirst, HY., Brinkman, J., Beasley, A., Crocker, R. The Effects of Blood Pressure on Rebleeding when using ExcelArrest in a Porcine Model of Lethal Femoral Injury, 17th Biennial Phyllis J. Verhonick Nursing Research Course, San Antonio, Texas, May 2012.

D. Poster Presentations:

1. Agee, S., Reed, A., Gegel, B., Burgert, J., Gasko, J., Loughren, M., Johnson, D., The Effects of QuikClot Combat Gauze on Hemorrhage Control in The Presence of Hemodilution, AANA Annual Meeting in San Francisco, California, August 2012.
2. Anderson, S., Johnson, S., Loughren, M., Johnson, D. To Change or Not to Change a Multiple Choice Answer, 2nd Annual Graduate School Research Day, AMEDDC&S, San Antonio, Texas, October 2012.
3. Bentley, M., Row, L., McCann, S., Cottle, D., West, G., McCall, S., Ceremuga, T Row, L. Effects of Herbal Supplements on PTSD-induced changes in Rat Behavior & Brain Gene Expression, 17th Biennial Phyllis J. Verhonick Nursing Research Course, San Antonio, Texas, May 2012.
4. Budinich, C. Short and Long-term Changes in Neural Cell Adhesion Molecule (NCAM) Expression Following TBI, 17th Biennial Phyllis J. Verhonick Nursing Research Course, San Antonio, Texas, May 2012.
5. Budinich, C. Short and Long-term Changes in Neural Cell Adhesion Molecule (NCAM) Expression Following TBI, 2nd Annual Graduate School Research Day, AMEDDC&S, San Antonio, Texas, October 2012.

6. Budinich, C., Tucker, L., Lowe, D., Rosenberger, J., & McCabe, J. Short and Long-term Motor and Behavioral Effects of Diazoxide and Dimethyl Sulfoxide Administration in the Mouse after Traumatic Brain Injury, 2nd Annual Graduate School Research Day, AMEDDC&S, San Antonio, Texas, October 2012.
7. Burgert J., Gegel B., Loughren M., Desai M., Lewis P., Ceremuga T., O'Sullivan J., Johnson D. A Comparison of Tibial Intraosseous (IO), Sternal IO, and Intravenous (IV) Routes of Administration on the Pharmacokinetics of Epinephrine during Cardiac Arrest: A Pilot Study, TANA Annual Meeting in San Antonio, Texas, September, 2012.
8. Burgert J., Gegel B., Loughren M., Desai M., Lewis P., Ceremuga T., O'Sullivan J., Johnson D. A Comparison of Tibial Intraosseous (IO), Sternal IO, and Intravenous (IV) Routes of Administration on the Pharmacokinetics of Epinephrine during Cardiac Arrest: A Pilot Study, AANA Annual Meeting in San Francisco, California, August 2012.
9. Ceremuga, T., Anderson, W., Barrows, M., Lopez, F., Rogers, S., Ortiz-Coffie, A., Norman, D., Hodges, J., Barnes, D., McDonald, K., McCall, S., Johnson, A. Investigation of the Anxiolytic Effects of Naringenin, a Component of Mentha Aquatica, in the Male Sprague-Dawley Rat, 17th Biennial Phyllis J. Verhonick Nursing Research Course, San Antonio, Texas, May 2012.
10. Cornell, M., Kelbaugh, J., Todd, B., Christianson, K., Grayson, K., O'Sullivan, J., Johnson, D., Loughren, M., Pharmacokinetics of Sternal and Tibial Intraosseous Atropine Administration in Normovolemic and Hypovolemic Swine, AANA Annual Meeting in San Francisco, California, August 2012.
11. Countouriotis, M., Boon, P., Krum, P., Means, M., Johnson, D., Joseph O'Sullivan, J., Loughren, M., Pharmacokinetic Analysis of Lipid Rescue in a Porcine Model with Lethal Bupivacaine Toxicity, AANA Annual Meeting in San Francisco, California, August 2012.
12. Eroglu B., Kimbler D., Jin X., Dhandapani K., Mivechi N., Cholesterol Treatment of Mice Exposed to Traumatic Brain Injury Protects Neuronal Death and Improves Recovery, "Caring for Veterans Through Discovery and Collaboration," 2012 Research Week.
13. Gasko, J., Sherner J., Gegel B., Burgert J., Franzen T., Sama S., Johnson D. The Effects of Using Simulation vs. CD-ROM in the Performance of Ultrasound Guided Regional Anesthesia, AANA Annual Meeting in San Francisco, California, August 2012.
14. Gasko, J., Sherner J., Gegel B., Burgert J., Franzen T., Sama S., Johnson D. The Effects of Using Simulation vs. CD-ROM in the Performance of Ultrasound Guided

- Regional Anesthesia, 17th Biennial Phyllis J. Verhonick Nursing Research Course, San Antonio, Texas, May 2012.
15. Gasko, J., Sherner J., Gegel B., Burgert J., Franzen T., Sama S., Johnson D. The Effects of Using Simulation vs. CD-ROM in the Performance of Ultrasound Guided regional Anesthesia, 2nd Annual Graduate School Research Day, AMEDDC&S, San Antonio, Texas, October 2012.
 16. Hudson, A., Bolin, S., Bishop, M., Schmidt, R., Johnson, D., O'Sullivan, J., Comparing Resuscitative Measures for Bupivacaine Toxicity Utilizing Lipid Emulsions in a swine model (*Sus scrofa*), AANA Annual Meeting in San Francisco, California, August 2012.
 17. Johnson L., Adams-Henderson, J., McCall S., Johnson A., Ceremuga T., Investigation of the Anxiolytic Effects of Xanthohumol, a Component of *Humulus lupulus* (Hops), in the Male Sprague-Dawley Rat, AANA Annual Meeting in San Francisco, California, August 2012.
 18. Johnson L., Adams-Henderson, J., McCall S., Johnson A., Ceremuga T., Investigation of the Anxiolytic Effects of Xanthohumol, a Component of *Humulus lupulus* (Hops), in the Male Sprague-Dawley Rat, 2nd Annual Graduate School Research Day, AMEDDC&S, San Antonio, Texas, October 2012.
 19. Kilbourn, J., Worth, K., Johnson, D., Loughren, M., Comparison of Sternomastoid Muscle Paralysis After Intravenous and Intraosseous Injection of Succinylcholine in a Normovolemic Porcine Model, AANA Annual Meeting in San Francisco, California, August 2012.
 20. Loughren, M., Demotica, R., Benton, C., Causapin, E., Yost, J., Burgert, J., Johnson, D. Pharmacokinetics of IM, IV and IO Atropine in Hypovolemic Swine, 17th Biennial Phyllis J. Verhonick Nursing Research Course, San Antonio, Texas, May 2012.
 21. Martens, M., Campbell, C., Keck, J., Reynolds, H., Burgert, J., Gasko, J., Gegel, B., Johnson, D., The Effects of QuikClot Combat Gauze and Movement on Hemorrhage Control in a Porcine Model, AANA Annual Meeting in San Francisco, California, August 2012.
 22. Martens, M., Campbell, C., Keck, J., Reynolds, H., Burgert, J., Gasko, J., Gegel, B., Johnson, D., The Effects of QuikClot Combat Gauze and Movement on Hemorrhage Control in a Porcine Model, TANA Annual Meeting in San Antonio, Texas, September, 2012.
 23. Todd, B., Austin, P., Placement of Peripheral Nerve Blocks, AANA Annual Meeting in San Francisco, California, August 2012.

E. Grant Activity:

1. Alguire, K. and Todd, B. Anesthesia Training with an Animal Model (pig, sus scrofa) Graduate Medical Education, (2010-present) Surgeon General's Office, 60th Medical Group, David Grant USAF Medical Center, Travis AFB, CA (\$30,000).
2. Burgert, J; Gegel, B; Loughren, M; and Johnson, D. A comparison of Tibial Intraosseous (IO), Sternal IO, and Intravenous (IV) Routes of Administration on the Pharmacokinetics of Epinephrine During Cardiac Arrest, (2009-present). American Association of Nurse Anesthetists Foundation (\$14,900).
3. Ceremuga, T., Bentley, M. "Effects of Herbal Supplements on PTSD-induced Changes in Rat Behavior & Brain Gene Expression" TriService Nursing Research Program, 2010-present (\$481,104).
4. Ceremuga, T. Evaluation of the Anxiolytic Effects of Contemporary Herbal Supplements and Potential Interactions with Midazolam in the Laboratory Rat, (2010-present) AANA Foundation (\$13,942)
5. Ceremuga, T. Evaluation of the Anxiolytic Effects of Herbal Supplements and Possible Interactions with Midazolam in the Laboratory Rat, (2012) AANA Foundation (\$16,978).
6. Gasko, J., Johnson, D., Sherner, J., Craig, J. Gegel, B., Burgert, J. The Effects of Using Simulation vs. CD-ROM in the Performance of Ultrasound Guided Regional Anesthesia (2010-present) AANA Foundation (\$10,000).
7. Johnson, D. Burgert, J; Gegel, B; Loughren, M. The Effects of Hemostatic Agents and Hypothermia on Hemorrhage Control in a Porcine Model, (2010-present) TriService Nursing Research Program (\$498,000).
8. Johnson, D. Burgert, J; Gegel, B; Loughren, M. The Effects of Hemostatic Agents and Hypothermia on Hemorrhage Control in a Porcine Model Extension (2011-present) TriService Nursing Research (\$154,000).
9. Johnson, D Cornell, M., Kelbaugh, J., Todd, B., Christianson, K., Grayson, K., O'Sullivan, J., Loughren, M., Pharmacokinetics of Sternal and Tibial Intraosseous Atropine Administration in Normovolemic and Hypovolemic Swine Travis Air Force Base, California (\$30,000).
10. Johnson, J. and Murphy, J. Direct Laryngoscopy versus Video Assisted Laryngoscopy for Training Novice Army Nurse Anesthetist Students in Orotracheal Intubation AAMTI (AMEDD Advanced Medical Technology Initiative), TATRC, 2011-present (\$610,000).

11. Johnson, J. and Murphy, J. Ultrasound Guided Regional Anesthesia Education AAMTI (AMEDD Advanced Medical Technology Initiative), TATRC, 2011-present (\$700,000).
12. Lewis, P; Johnson, D Burgert, J; Gegel, B; Loughren, M; and. A Comparison of Tibial Intraosseous (IO), Sternal IO, and Intravenous (IV) Routes of Administration on the Pharmacokinetics of Epinephrine During Cardiac Arrest, (2009-present). DCI, Brooke Army Medical Center (\$31,900).
13. Loughren, M; Johnson, D. Burgert, J; Gegel, B. Pharmacokinetics of Intramuscular (IM), Intravenous (IV) and Intraosseous (IO) Atropine in Normovolemic and Hypovolemic Swine (*Sus scrofa*), (2011-present) Continuation, TriService Nursing Research Program (\$15,000).
14. Loughren, M; Johnson, D. Burgert, J; Gegel, B. Pharmacokinetics of Intraosseous Epinephrine During Cardiac Arrest in Swine, (2011-present) TriService Nursing Research Program (\$350,000).
15. O'Sullivan, J (PI), LTC Loughren, Johnson, Don. Comparative Resuscitative Measures for Drug Toxicities Utilizing Lipid Emulsions" TriService Nursing Research, 2010-present (\$500,000).
16. O'Sullivan, J., Loughren, M., Johnson, D., Comparative Resuscitative Measures for Drug Toxicities Utilizing Lipid emulsions, (2010-present) Extension, TriService Nursing Research, (\$125,000).

F. Invited Lectures:

1. Gillis, T. Airway Management for Clinical Nurse Transition Program, SAMMC, Fort Sam Houston, Texas, 2012.
2. Gillis, T. Airway Management for Trauma Critical Care Course, SAMMC, Fort Sam Houston, Texas, 2012.

G. Academic or Research Awards:

1. Agee, S., Reed, A., Gegel, B., Burgert, J., Gasko, J., Loughren, M., Johnson, D., The Effects of QuikClot Combat Gauze on Hemorrhage Control in The Presence of Hemodilution, AANA Foundation \$1000 award for oral presentation at the AANA Annual Meeting in San Francisco, California, August 6, 2012.
2. Burgert, J., received the \$5,000 Palmer-Carrier Doctoral Fellowship from the AANA Foundation August 2012.
3. Burgert J., Gegel B., Loughren M., Desai M., Lewis P., Ceremuga T., O'Sullivan J., Johnson D. A Comparison of Tibial Intraosseous (IO), Sternal IO, and Intravenous

(IV) Routes of Administration on the Pharmacokinetics of Epinephrine during Cardiac Arrest: A Pilot Study, AANA Foundation \$1000 award for oral presentation at the AANA Annual Meeting in San Francisco, California, August 6, 2012.

4. Gasko J., Sherner J., Gegel B., Burgert J., Franzen T., Sama S., Johnson D. The Effects of Using Simulation vs. CD-ROM in the Performance of Ultrasound Guided Regional Anesthesia, Winner of Best Poster at 17th Biennial Phyllis J. Verhonick Nursing Research Course, San Antonio, Texas, May 2012.
5. Gasko J., Sherner J., Gegel B., Burgert J., Franzen T., Sama S., Johnson D. The Effects of Using Simulation vs. CD-ROM in the Performance of Ultrasound Guided Regional Anesthesia, AANA Foundation \$1000 award for oral presentation at the AANA Annual Meeting in San Francisco, California, August 6, 2012.

Interservice Physician Assistant Program

A. Publications: (None)

B. Platform Presentations:

1. Gross, P. Presented and Participated in the Sexual Assault Forensic Exam course in August 2012.

C. Poster Presentations: (None)

D. Grant Activity: (None)

D. Invited Lectures:

1. Adamson, R. Platform Lecture Topic Approach to selecting Appropriate Antibiotics: SAFPA Conference, San Antonio, TX November 12, 2011.
2. Adamson, R. Platform Lecture Topic Urology Review: Diagnosis and Treatment: SAFPA Conference, San Antonio, TX November 12, 2011.
3. Amrien, J. Platform Lecture Topic Workshop- Advanced EKG: SAFPA Conference, San Antonio, TX November 12, 2011.
4. Booker, H. Platform Lecture Topic STD Update: SAFPA Conference, San Antonio, TX November 12, 2011.
5. Castro, C. Platform Lecture Topic Gruesome Groins: SAFPA Conference, San Antonio, TX November 12, 2011.

6. Frasure, J. Platform Lecture Topic Taking Drugs Seriously: SAFPA Conference, San Antonio, TX November 12, 2011.
7. Lucas, T. Platform Lecture Topic Workshop-Basic EKG: SAFPA Conference, San Antonio, TX November 12, 2011.
8. Oliver, J. Platform Lecture Topic PANCE/PANRE: SAFPA Conference, San Antonio, TX November 12, 2011.
9. Young, K. Platform Lecture Topic The Complete Shoulder Exam: SAFPA Conference, San Antonio, TX November 12, 2011.

E. Academic or Research Awards: (None)

Army-Master of Social Work Program

A. Publications:

1. Applewhite, L., Keller, N, Adam, B. (2012). Mental Health Care Use by Soliders Conducting Counterinsurgency Operations. *Journal of Military Medicine*, 177, 501-506.

B. Platform Presentations:

1. Endicott, L., Freeman D., Grace, G. Helping Our Service Members Return Home. In: 61st Annual North American Association of Christian in Social Work Conference; Pittsburgh, PA; October 2011.
2. Endicott, L. & Freeman D. Preparing Communities to Help Our Service Members Return Home. North American Association of Christian in Social Work Audio Conference Workshop. September 2012.
3. Henderson, J. & Posada, S.G. Military Social Work Ethics. Texas Chapter of the NASW. May 2012.
4. Henderson, J. Promoting Hope, Resilience, and Restoration through Evidence-Based Practices in Deployed Settings, NASW National Conference, July 2012.
5. Henderson, J., Clinical Record Review of a Combat Stress Control Restoration Center. AMEDDC&S Graduate School Research Day, October, 2012,
6. Jones, N.G. Women Veteran Panel. American Legion 94th National Convention, Indianapolis, IN. August, 2012.
7. Posada, S. G. Invited presentation. Supervising Toward Cultural Competence. National Association of Social Workers/Texas. Texas State Board of Social Work

Examiners Approved Supervision Courses. The 36th Annual State Conference. Houston, TX. September, 2012.

8. Posada, S.G., Montijo, A.M., Faria, D.F., Richardson, L., McFall, J. Series Session Council on Field Education. Presented at the Council on Social Work Education Annual Program Meeting, Atlanta, GA; October 2011.
9. Posada, S. G., Mikow, J. Invited to co-facilitate LMSW Licensing Review Six-Hour Course. National Association of Social Workers/Texas. The 36th Annual State Conference. Houston, TX. September, 2012.

C. Poster Presentations:

1. Judkins, J., Bradley, D., Henderson, J. Combat Operations Stress Control Restoration Services Performance Improvement at Bagram Airfield, Afghanistan. Presented at The Association of Military Surgeons of the United States (AMSUS) Conference, San Antonio, TX. November, 2011.

D. Grant Activity: (None)

E. Invited Lectures: (None)

F. Academic or Research Awards: (None)

Graduate Program in Nutrition

A. Publications:

1. Cabrera J, Wilks E, Barber N, Symons J, Blankson K, Cole R. Multidisciplinary Intervention With Sibutramine: Assessing Successful Weight Loss Predictors in Military Adolescent Dependents. *Military Medicine*. 2012;177(3):308-314.
2. Rogers R., Sigrist L., Zuzelski K., Whelan D. Appendix D Unique Roles: Sports Dietitians in the Military, *Sports Nutrition A Practice Manual for Professionals*, 5th ed. Academy of Nutrition and Dietetics, 20123
3. Smith TJ, Crombie A, Funderburk-Sanders LesLee, Sigrist LD, Bathalon GP, McGraw SM, Young AJ. Efficacy of Orlistat 60 mg on Weight Loss and Body Fat Mass in US Army Soldiers. *J of Acad Nutr Diet* 2012;112:533-540.

B. Platform Presentations:

1. Beer, P., Smith, M., Conkright, W. The Physiological Effect of Ranger School on Physical Performance Standards. Madigan Healthcare System Research Day, 2012.

2. Clark, H. The Evidence Analysis Library: What Is It and What Can It Do For Me?. Air Force Nutrition Symposium, San Antonio, TX, June 2012.
3. Clark H. Introduction to the Nutrition Care Manual. Air Force Nutrition Symposium, San Antonio, TX, June 2012.
4. Clark, H. Introduction to the Nutrition Focused Physical Exam. Air Force Nutrition Symposium, San Antonio, TX, June 2012.
5. Cole, R., Sager, A. "Go For Green" Implementation in Afghanistan. Air Force Nutrition Symposium, San Antonio, TX, June 2012.
6. Cole, R., Sager, A. "Go For Green" Implementation in Afghanistan. Air Force Food Service Conference, San Antonio, TX, July 2012.
7. Cole, R., Sigrist, L. Too Fat to Fight? US Army Nutrition Research Standards. Weight Management Symposium, Las Vegas, NV, March 2012.
8. Conkright, W., Smith, M., Beer, P., Barringer, N., McMillan, D. The Physiological Effect of Ranger School on Physical Performance. 35th National Strength and Conditioning Association (NSCA) National Conference, 2012.
9. Smith, M., Sigrist, L. U.S. Army Medical Specialist Corps: Center for Nutrition Research. 16th International Congress of Dietetics, Sydney, Australia, 2010.
10. Valverde, M., Feeney, K., Smith, M. The Effect of Rangers School on Body Composition and Bone Mineral Density. Madigan Healthcare System Research Day, 2012.

C. Poster Presentations:

1. Carlson, A., Smith, M., McCarthy, M. Is there an Association between Dietary Protein Intake and Bone Mass in Adults. Madigan Healthcare System Research Day, 2012.
2. Cole, R., Clark, H. Incorporating Evidence Based Practice into the US Military Graduate Program "Current Issues in Nutrition" Class. Texas Academy of Nutrition and Dietetics Food and Nutrition Conference and Expo, San Antonio, TX, Apr 2012.
3. DeMay, J., Smith, M., Cole, R. Factors Impacting Food Intake and Weight Status Among Active-Duty Service Members. Madigan Healthcare System Research Day, 2012.

4. DeMay, J., Smith, M., Cole, R. Relationship Between Factors Impacting Food Intake and Weight Status In Active Duty Service Members. Society of Nutrition Education Annual Conference. Washington, DC, Jul 2012.
5. Seaburn, B., Smith, M., McCarthy, M. Effect of an Immune-enhanced Formula on Clinical Outcomes in Surgical Head and Neck Cancer Patients. Madigan Healthcare System Research Day, 2012.
6. Smith, M., Hernandez, D. The Path of Professional Leadership for Military Dietitians: The U.S. Army Medical Specialist Corps Life Cycle Model. 16th International Congress of Dietetics, Sydney, Australia, 2012
7. Thompson, E., Smith, M. The Effect of Fructose Intake on Renal Function. Madigan Healthcare System Research Day, 2012.

D. Grant Activity:

1. Rogers, R., (co-investigator) Sigrist L. (co-investigator) Sponsored Research: “Assessment of hydration status in new and experienced Army officers prior to physical fitness testing in a hot environment.” Baylor University Funded (\$1,800) (June, 2012 – May, 2013).

E. Invited Lectures:

1. Clark, H. Nutrition Overview. In: DcOT Program, 2012 June; San Antonio, TX.
2. Clark, H. RD – PA Relationships. In: IPAP Course, 2012 Sept, San Antonio, TX.
3. Cole, R. Nutrition for Weight Management and Mental Health. In: DcOT Program, 2012 June, San Antonio, TX.
4. Rogers, R., Performance Nutrition. San Antonio Dietetic Association; 2011 October; San Antonio, TX; 2012.
5. Rogers, R, Body Composition Assessment. In: DPT Program; 2012 February; San Antonio, TX; 2012.
6. Rogers, R, Exercise Testing. In: DPT Program; 2012 February; San Antonio, TX; 2012.
7. Rogers, R, Obesity and Performance Nutrition. In: IPAP Course; 2012 March; San Antonio, TX; 2012.
8. Rogers, R. Performance Nutrition. University of Texas-San Antonio, Health and Kinesiology Class, San Antonio, TX, April 2012.

9. Rogers, R., Performance Nutrition and Dietary Supplements. In: Joint Operations Deployment Course for Physical Therapists; 2012 May; San Antonio, TX; 2012.
10. Rogers, R, General Nutrition, Performance Nutrition, Body Composition and Dietary Supplements. In: Army-Baylor University Doctoral Fellowship in Orthopaedic Manual Physical Therapy; 2012 May; San Antonio, TX; 2012.
11. Rogers, R. Nutrition. Federal Law Enforcement Training Conference, San Antonio, TX, May 2012.
12. Rogers, R, Obesity and Performance Nutrition. In: IPAP Course; 2012 September; San Antonio, TX; 2012.
13. Story, K. Nutrition in Disaster Relief. In: IPAP Course 2012 March; San Antonio, TX; 2012.
14. Story, K. Nutrition in Disaster Relief. In: MMHAC, 2012 March; San Antonio, TX; 2012.
15. Story, K. Nutrition in Disaster Relief. In: 6AF5 Course, 2012 April; San Antonio, TX; 2012.
16. Story, K. Nutrition in Disaster Relief. In: ALC for 68Ms, 2012 April; San Antonio, TX; 2012.
17. Story, K. Nutrition in Disaster Relief. In: MMHAC, 2012 May; San Antonio, TX; 2012.
18. Story, K. Nutrition in Disaster Relief. In: IPAP Course, 2012 Jul; San Antonio, TX 2012.
19. Story, K. Nutrition in Disaster Relief. In: MMHAC, 2012 Jul; San Antonio, TX 2012.
20. Story, K. Nutrition in Disaster Relief. In: IPAP Course, 2012 Sept; San Antonio, TX 2012.

F. Academic or Research Awards:

1. Smith, Martha: Recipient of the BG George J. Brown Mentor's Cube, for the role of mentor in the process of medical education and research, Madigan Research Day, 2012.
2. Smith, Martha: Recipient of the SP Corps New Horizon Research Award (for outstanding Medical Specialist Corp Officers who contributes to research and/or clinical investigations), 2012.