

**AHS GRADUATE SCHOOL
SCHOLARLY ACTIVITY REPORT
FY14**

16 January 2015

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 (Journals/Book Chapters):	75
B. Published Abstracts	21
C. Platform Presentations:	56
D. Poster Presentations:	86
E. Grant Activity (awarded/In-progress):	29 (\$8.26 Million)
F. Grants submitted/pending:	8 (\$1.37 Million)
G. Invited Lectures:	87
H. Academic/Research Awards:	19

2. This report only covers the campus-based programs.

3. The following pages provide by-program details for the summary report.

**AHS GRADUATE SCHOOL
SCHOLARLY ACTIVITY REPORT
FY14**

I. Army-Baylor Graduate Program in Health & Business Administration

A. Publications:

1. Bewley, L. (2014) Economic Considerations in Physician Compensation. *San Antonio Medicine Journal*. Volume 67, Number 3. 36 – 37.
2. Bewley, L., Broom, K., Bonica, M. (2014). An Economic Analysis of Graduate Healthcare Programs. *AMEDD Journal*. JAN – MAR (2014) issue. 7 – 13.
3. Bewley, L. (2014) Moving Toward more Healthy Economics in Personal Dietary and Activity Choices. *San Antonio Medicine Journal*. Volume 66, Number 12. 36 – 37.
4. Bewley, L. (2013). How is Your (Leadership and Management) Competency Coverage Map? *San Antonio Medicine Journal*. Volume 66, Number 8. 36 – 37.
5. Bonica, M., Bewley, L. (2014) Transaction Costs: The Friction in Healthcare Delivery. *San Antonio Medicine Journal*. Accepted for Publication.
6. Fandre, M., McKenna, C., Beauvais, B., Kim, F., Mangelsdorff, A. D. (2014). Patient Centered Medical Home Implementation Effects on Emergency Room Utilization: A Case Study. *Hospital Topics (in press)*.
7. Harasimowitz, E., Hawkins, M., Jeremy, T., Cuyler, M., Mangelsdorff, A. D., Kim, F. (2014). The Effect of Patient-Centered Medical Home Implementation on Cervical Cancer screening Compliance Rates at the Screaming Eagle Medical Home. *AMEDD Journal*, PB 8-14(1/2/3), 95. <http://www.cs.amedd.army.mil/FileDownloadpublic.aspx?docid=2efd19c0-6011-40da-8173-cbc1e39c337d>
8. Hazen, B. T., Weigel, F. K., Overstreet, R. E. “Innovating to integrate the intangibles into the learning Air Force.” *The Army Medical Department Journal*, Jan-Mar, pp. 77 – 85.
9. Mangelsdorff, A. D. (2014). Competency Based Curriculum, Outcomes, and Leader Development: Applications to a Graduate Program in Health Administration. *Journal of Health Administration Education (in press)*.

10. Muhlestein, D.B., Wilks, C.E., & Richter, J. (2013). Limited use of price and quality advertising among American hospitals. *Journal of Medical Internet Research*, 15(8). Richter, J., McAlearney, A.S., & Pennell, M. The influence of organizational factors on patient safety: examining successful handoffs in health care. *Health Care Management Review*. (In press/accepted)
11. Richter, J., Muhlestein, D., & Wilks, C.A. Social media: How hospitals use it and opportunities for future use. *Journal of Healthcare Management*. (In press/accepted)
12. Richter, J., McAlearney, A.S., & Pennell, M. Evaluating the effect of safety culture on error reporting: A comparison of managerial and staff perspectives. *American Journal of Medical Quality*. (In press/accepted) Weigel, F. K., & Hazen, B. T. (2014). Technical proficiency for IS Success. *Computers in Human Behavior*, 31, 27-36.
13. Rogers, J., Mangelsdorff, A. D. (2013). Characteristics of Most-Admired Army Medical Department Leaders. *AMEDD Journal*, PB 8-13(7/8/9), 41-46.
<http://www.cs.amedd.army.mil/FileDownloadpublic.aspx?docid=75540426-8cd5-4f93-8a32-c39db3bc228a>
14. Weigel, F. K., Bonica, M. A. (2014). "An active learning approach to Bloom's Taxonomy: Two games, two classrooms, two methods." *The Army Medical Department Journal*, Jan-Mar, pp. 21 – 29.

B. Book Chapters:

1. Weigel, F. K., Hazen, B. T., Book chapter: "Diffusion of Innovations: A Foundational Theory for Medical Informatics Research. In *Advancing Medical Practice through Technology: Applications for Healthcare Delivery, Management, and Quality*. IGI-Global Press. (In press; 2014 expected publication)
2. Mangelsdorff, A. D. (2013). *Mental Health Advisory Teams* (pp. 91-94). Military Psychologists' Desk Reference, New York: Oxford University Press. <http://global.oup.com/academic/product/military-psychologists-desk-reference-9780199928262;jsessionid=7A06A49ADC27C3A1028E8CEFB4BD8508?c=us&lang=en&>

C. Conference Presentations:

1. Bewley, L. (Presenter & Author), Kim, F. (Author), and Beauvais, B. (2013). To Infinity and Beyond! Your Graduate Program as a Catalyst to Best Practice Exchange. AUPHA Annual Conference. Monterey, California.
2. Bewley, L. (2013). Leadership Education: Combining Academic and Practical Components. Interagency Institute for Federal Healthcare Executives. Washington, D.C.
3. Boyle, M.J. & Zucker, K.W. *Landmarks from the Law -- Classic Cases in Medical Ethics*, 54th Annual Meeting of the American College of Legal Medicine, Dallas, TX, 2014

4. Boyle, M.J. & Zucker, K.W., *The Federal Tort Claims Act and Liability of Federal Healthcare Providers*, 118th Annual Meeting of the Association of Military Surgeons of the United States, Seattle, WA, 2013
5. Zucker, K. & Boyle, M. [change from presenters listed in the Program Book] *The Basics of Bioethics and a Little More*, 54th Annual Meeting of the American College of Legal Medicine, Dallas, TX, 2014
6. Zucker, K., and Boyle, M. *Classic Legal Cases at the Foundation of Medical Ethics in the US*, Health and Human Flourishing, 20th anniversary conference of the Center for Bioethics and Human Dignity, Trinity International University, Deerfield, IL, 2013
7. Zucker, K.W., Swift, D.C. & Boyle, M.J., *Bioethics 101+*, 118th Annual Meeting of the Association of Military Surgeons of the United States, Seattle, WA, 2013
8. Zucker, K.W. & Boyle, M.J., *Landmarks from the Law: Classic Cases in Medical Ethics*, 118th Annual Meeting of the Association of Military Surgeons of the United States, Seattle, WA, 2013

D. Platform Presentations:

1. Bewley, L. (2014). The PPACA and Implications for Public Health. Army Medical Department Public Health Strategic Leaders Course. Fort Sam Houston, Texas.
2. Bewley, L. (2013). Strategic Management in Healthcare Organizations. Defense Institute for Medical Operations. San Antonio, Texas.
3. Mangelsdorff, A. D., International Military Student Executive Healthcare Resource Management course, "Developed nation characteristics and the middle class," Defense Institute for Medical Operations, San Antonio, TX. (June 2014).
4. Mangelsdorff, A. D., International Military Student Executive Healthcare Resource Management course, "Developed nation characteristics," Defense Institute for Medical Operations, San Antonio, TX. (July 2013).
5. Zucker, K.W., *U.S. v. Karl Brandt: The Doctors' Trial at Nurnberg*, AMEDD Center for History and Heritage and the AMEDD Museum Foundation, San Antonio, TX, 2014

E. Poster Presentations:

1. Booth, E., Lavoie, J., LoFranco, K., Tyson, D., Zucker, K., Kruse, S., Boyle, M., & Brooks, T. *Whistleblowing: Fraud in the US Healthcare Industry*, Health and Human Flourishing, 20th anniversary conference of the Center for Bioethics and Human Dignity, Trinity International University, Deerfield, IL, 2013
2. Booth, E., Lavoie, J., LoFranco, Tyson, D., Zucker, K. & Kruse, S., *Whistleblowing: Fraud in the US Healthcare Industry*, 118th Annual Meeting of the Association of Military Surgeons of the United States, Seattle, WA, 2013

3. Boyle, M.J. & Zucker, M.J., *Four States Have Now Approved Physician-Assisted Death*, 18th Annual Meeting of the Association of Military Surgeons of the United States, Seattle, WA, 2013
4. Fandre, M., Henry, M., McKenna, C., Kruse, S., Swift, D., Zucker, K. & Boyle, M. *Organizational Ethics in the Graduate Academic Setting*, 118th Annual Meeting of the Association of Military Surgeons of the United States, Seattle, WA, 2013
5. Fandre, M., Henry, M., McKenna, C., Kruse, S., Zucker, K., Boyle, M., & Swift, D. *Organizational Ethics in the Graduate Academic Setting*, Health and Human Flourishing, 20th anniversary conference of the Center for Bioethics and Human Dignity, Trinity International University, Deerfield, IL, 2013, and the 53rd Annual Meeting of the American College of Legal Medicine, Las Vegas, NV, 2013
6. Johnson, L., Mangelsdorff, A. D., Rogers, J., Association of University Programs in Health Administration (AUPHA), "The Leadership Challenge Enhancing Leadership Competencies in Graduate Health Management Education," AUPHA, San Antonio, TX. (June 2014).
7. Kim, F., Mangelsdorff, A. D., Johnson, L., Swift, D., Association of University Programs in Health Administration (AUPHA), ""Throw You to the Wolves" and Other Strategies for Improving the Interpersonal Skills of Young Healthcare Executives," AUPHA, San Antonio, TX. (June 2014).
8. Kim, F., Mangelsdorff, A. D., Johnson, L., Swift, D., Academy Health Sciences Graduate School Research Day, ""Throw You to the Wolves" and Other Strategies for Improving the Interpersonal Skills of Young Healthcare Executives," Army Medical Department Center & School, Fort Sam Houston. (December 2013).
9. Mangelsdorff, A. D., Academy Health Sciences Graduate School Research Day, "Executive Skills Competencies Assessed at Domain Level Across Phases," Army Medical Department Center & School, Fort Sam Houston. (December 2013).
10. Mangelsdorff, A. D., Rogers, J., Johnson, L., Association of University Programs in Health Administration (AUPHA), "What Have Army-Baylor University Students Learned? Executive Skills Competency Development," AUPHA, San Antonio, TX. (June 2014).
11. Post, M.A., Spence, J.L., Zucker, K.W. & Swift, D.C., *Moments in Medical-Legal History Operation Whitecoat*, AMEDD Center for History and Heritage and the AMEDD Museum Foundation, San Antonio, TX, 2014
12. Richter, J. "Organizational Factors of Patient Safety Culture Associated with Medical Error Reporting" presented at *Annual Research Day, Graduate School, AMEDD Center & School*, Fort Sam Houston, TX, December, 2013.
13. Slamen, R., Yarbrough, M., McKay, J., Zucker, K., Swift, D., Boyle, M., & Kruse, S. *Provisions of the Patient Protection and Affordable Care Act Examined Using an Ethical Continuum Tool*, Health and Human Flourishing, 20th anniversary conference of the Center for Bioethics and Human Dignity, Trinity International University, Deerfield, IL, 2013, and

- the 53rd Annual Meeting of the American College of Legal Medicine, Las Vegas, NV, 2013
14. Slamen, R., Yarbrough, M., McKay, J. Zucker, K., Swift, D., Boyle, M. & Kruse, S. *Provisions of the Patient Protection and Affordable Care Act Examined Using an Ethical Continuum Tool*, 118th Annual Meeting of the Association of Military Surgeons of the United States, Seattle, WA, 2013
 15. Slitzer, A.E., Zucker, K.W., Boyle, M.J., Swift, D.C., Kruse, C.S., *Ethics in Film: End-of-Life Decision-Making*, , 118th Annual Meeting of the Association of Military Surgeons of the United States, Seattle, WA, 2013
 16. Slitzer, A., Zucker, K., Swift, D., Boyle, M., & Kruse, S. *Ethics in Film: End of Life Decision-Making*, Health and Human Flourishing, 20th anniversary conference of the Center for Bioethics and Human Dignity, Trinity International University, Deerfield, IL, 2013, and the 53rd Annual Meeting of the American College of Legal Medicine, Las Vegas, NV, 2013
 17. Swift, D.C., Zucker, K.W., Kruse, C. S., & Boyle, M.J. *The Great Starvation Experiment: Pacifism and Patriotism*, AMEDD Center for History and Heritage and the AMEDD Museum Foundation, San Antonio, TX, 2014
 18. Zucker, K., Swift, D., Kruse, S., Boyle, M. *The Basics of Bioethics*, 53rd Annual Meeting of the American College of Legal Medicine, Las Vegas, NV 2013, and, as Bioethics 101 at Human Flourishing, 20th anniversary conference of the Center for Bioethics and Human Dignity, Trinity International University, Deerfield, IL, 2013
 19. Zucker, K., and Boyle, M. *Classic Legal Cases at the Foundation of Medical Ethics: The Right to Refuse Care and the Right to Die*, Health and Human Flourishing, 20th anniversary conference of the Center for Bioethics and Human Dignity, Trinity International University, Deerfield, IL, 2013
 20. Zucker, K., Boyle, M., & Topinka, J. *Federal Abortion Law 40 Years after Roe v. Wade*, Health and Human Flourishing, 20th anniversary conference of the Center for Bioethics and Human Dignity, Trinity International University, Deerfield, IL, 2013
 21. Zucker, K.W. & Martin J. Boyle, *U.S. v. Karl Brandt: The Doctors' Trial at Nurnberg*, AMEDD Center for History and Heritage and the AMEDD Museum Foundation, San Antonio, TX, 2014
 22. Zucker, K.W., Boyle, M.J. & Kruse, C.S., *Classic Legal Cases at the Foundation of Medical Ethics: The Right to Refuse Care and the Right to Die*, 118th Annual Meeting of the Association of Military Surgeons of the United States, Seattle, WA, 2013
 23. Zucker, K.W., Boyle, M.J. & Topinka, J.B. *Roe v. Wade: A Forty-Year Retrospective*, 118th Annual Meeting of the Association of Military Surgeons of the United States, Seattle, WA, 2013

F. Grant Activity:

1. Johnson, L. (Co-Principal), Mangelsdorff, A. D. (Co-Principal), "Oral History of Army-Baylor Health Administration Program," Sponsored by Institute of Oral History, Baylor University. (January 1, 2010 - Present). Baylor Oral History Institute: Conducted interviews for 60 year project Mangelsdorff, A. D., Johnson, L., Scales, T. L. (2014). *Sixty Years of Partnership: A History of the Army-Baylor Health & Business Administration Program*. Baylor Oral History Institute Baylor Oral History Institute.
<http://digitalcollections.baylor.edu/cdm/compoundobject/collection/buioh/id/3117/rec/10>
2. Kim, F., Mangelsdorff, A.D., Johnson, L.M., and Swift, D. (2013). *Improving the Interpersonal Skills of Young Healthcare Executives*. Final Report Internal Grants Programs, Baylor University. San Antonio-wide conference with University of Texas School of Public Health San Antonio, University of Texas School of Public Health Houston, and city of San Antonio emergency preparedness addressing community-wide disaster preparation and response.

G. Ongoing Projects:

1. "Army-Baylor MHA/MBA Program outcomes and executive competencies" (On-Going)
2. "Attributes of Most Admired Leaders" (On-Going)
identify attributes of most admired leaders among attendees at AMEDD C&S courses to compare with civilian survey findings
3. "Conflict, global health, demographics, and security" (On-Going)
4. "Efficiency of Health Systems" using WHO data, investigating the health production function.

H. Proceedings:

1. Booth, E., Lavoie, J., LoFranco, K., Kruse, S., Zucker, K., Boyle, M. & Brooks, T. *An Update on Health Care Fraud - FY 2012*, Program Book 59, 54th Annual Meeting of the American College of Legal Medicine, Dallas, TX, 2014
2. Boyle, M.J. & Zucker, K.W. *Four States Now Permit Physician-Assisted Death*, Program Book 60, 54th Annual Meeting of the American College of Legal Medicine, Dallas, TX, 2014
3. Boyle, M.J. & Zucker, K.W. *Landmarks from the Law -- Classic Cases in Medical Ethics*, Program Book 124 - 127, 54th Annual Meeting of the American College of Legal Medicine, Dallas, TX, 2014
4. Hansen, K., Lent, S., Kocher, J. & Zucker, K. *Something the Lord Made: A Great Ethics Movie*, Program Book 69, 54th Annual Meeting of the American College of Legal Medicine, Dallas, TX, 2014
5. Zucker, K., Kruse, S. & Swift, D. [changed by announcement from presenters listed to Zucker, K. & Boyle M.] *The Basics of Bioethics and a*

- Little More*, Program Book, 128 - 135, 54th Annual Meeting of the American College of Legal Medicine, Dallas, TX, 2014
6. Zucker, K., Boyle, M. & Topinka, J. *Roe v. Wade: A Forty-Year Retrospective*, Program Book 83, 54th Annual Meeting of the American College of Legal Medicine, Dallas, TX, 2014
 7. Zucker, K., Swift, D. & Boyle, M. *Cultural Considerations: Heaven Help Us!* Program Book 84 - 85, 54th Annual Meeting of the American College of Legal Medicine, Dallas, TX, 2014

I. Invited Lecture:

1. Mangelsdorff, A. D., Emergency Preparedness Conference, "Community Resiliency and Disaster Preparedness," Univ. Texas School of Public Health, San Antonio, TX. (2014).
2. Zucker K.W. *Medical Ethics is All Around Us*, Army - Baylor Doctoral Program in Physical Therapy, Ft. Sam Houston, TX, 2014
3. Zucker, K.W. *The Basic of Bioethics*, Army - Baylor Doctoral Program in Physical Therapy, Ft. Sam Houston, TX, 2014 and 2013
4. Zucker, K.W. *The Law of HR*, Human Resources Management, Army - Baylor Graduate Program in Health and Business Administration, Ft. Sam Houston, TX, 2013
5. Zucker, K.W. *Liability of Federal Healthcare Providers for Military Medical Malpractice: How Often and How Bad*, Oral and Maxillofacial Surgery Program of San Antonio Military Medical Center, Lackland AFB. TX, 2013
6. Zucker, K. W. *What Utilitarianism is Not*, Army - Baylor Doctoral Program in Physical Therapy, Ft. Sam Houston, TX, 2013

J. Academic or Research Awards:

1. Richter, J. (2014) Army-Baylor Graduate Program in Health and Business Administration Researcher of the Year
2. Weigel, F.K. (2014) Army-Baylor Graduate Program in Health and Business Administration Instructor of the Year

K. Other Research Activity:

1. Weigel, F. K.
 - a. Co-Chair, Graduate School Research Committee, 2014 – present
 - b. Editorial Board Member, Health Administration Press, Arlington, Virginia. (Appointed 2014).
 - c. Reviewer, Journal Article, Journal of Health Administration and Education, Arlington, Virginia. (January 1, 2008 - Present).
 - d. Reviewer, Ad Hoc Reviewer, Journal of Healthcare Management, Chicago, Illinois. (January 1, 2008 - Present).
 - e. Reviewer, Ad Hoc Reviewer, Academy of Management, Briarcliff Manor, New York. (July 15, 2005 - Present).
 - f. Co-Chair, Graduate School Research Committee, 2013 – present
 - g. Chair, Research & Faculty Development Committee, 2013 – present

- h. Co-Chair, Graduate School Research Day Planning Committee, 2013, 2014
 - i. Master of Ceremonies, 2013 Graduate School Research Day, 2013
 - j. *Ad-hoc* reviewer – International Journal of Physical Distribution and Logistics Management, 2013, 2014
 - k. *Ad-hoc* reviewer – International Journal of Production Economics, 2014
1. Presented “On Writing More” (academic writing) at Research & Faculty Development Meeting, 2014
2. Zucker, K.W.
 - a. Elected to the Board of Governors of the American College of Legal Medicine, 2014 - 2016
 - b. Program Committee for the 2015 American College of Legal Medicine Meeting

II. US Army-Baylor University Doctoral Program in Physical Therapy

B. Publications:

1. Clewley D, Flynn, T, Koppenhaver S. Trigger point dry needling as an adjunct treatment for a patient with adhesive capsulitis of the shoulder. *Journal of Orthopaedic & Sports Physical Therapy*. 2014;44(2):92-101.
2. Croy T, Koppenhaver S, Saliba S, Hertel J. Anterior talocrural joint laxity: a criterion-related study of the anterior drawer test of the ankle. *Journal of Orthopaedic & Sports Physical Therapy*. 2013 Dec; 43(12):911-9
3. Croy T, Saliba S, Saliba E, Anderson M, Hertel J. Talofibular length increases following ankle sprain: a stress ultrasonography study of ankle laxity. *Journal of Sport Rehabilitation*, 2013 Nov 20; 22(4):257-263.
4. Goss DL, Gross MT. A Comparison of Negative Joint Work and Vertical Ground Reaction Force Loading Rates in Chi Runners and Rearfoot-Striking Runners. *J Orthop Sports Phys Ther*. 2013; 43:10:685-692.
5. Lester ME, Sharp MA, Werling WC, Walker LA, Cohen BS, Ruediger TM. Effect Of Specific Short-Term Physical Training On Fitness Measures In Conditioned Men. *J Strength Cond Res*. 2014 28(3): 679-88.
6. Lester ME, Hazelton J, Dewey WS, Casey JC, Richard RL. Influence of Upper Extremity Positioning on Pain, Paresthesias, and Tolerance: Advancing Current Practice. *J Burn Care Res*. 2013 34(6): e342-50.
7. Mark E. Lester. Influence of Vestibular Sensory Illusion on Acute and Adaptive Postural Responses in Individuals with Parkinson Disease and Healthy Controls: A Dissertation. University of Utah. 2014.
8. McGowen J, Su J, Koppenhaver S, Fracture of the Radial Head. *Journal of Orthopaedic & Sports Physical Therapy*. 2014;44(5):377.
9. Moore JM, Glenesk KT, Hulsizer DK, McCright BE, Wrenn C, Sander TC, Fisher D, Childs JD. Impact of an Innovative Clinical Internship Model in the U.S. Army-Baylor Doctoral Program in Physical Therapy. *Army Med Dep J*. January-March, 2014, 30-34.

10. Rhon DR, Deyle GD, Gill NW, Rendeiro DR. Manual physical therapy and perturbation-specific exercises in the treatment of knee osteoarthritis. *J of Manual and Manipulative Therapy* 2013; 21(4): 220-228.
11. Shaffer SW, Alexander K, Huffman D, Kambe C, Miller R, Moore JH, Greathouse DG. Median and ulnar neuropathies in US Army dental personnel at Fort Sam Houston, Texas. *US Army Med Dep J.* 2014 Apr-Jun;65-73. PubMed PMID: 24706246.
12. Shaffer SW, Koreerat NR, Gordon LB, Santillo DR, Moore JH, Greathouse DG. Median and ulnar neuropathies in U.S. Army Medical Command Band members. *Med Probl Perform Art.* 2013 Dec;28(4):188-94. PubMed PMID: 24337029.
13. Shaffer SW, Teyhen DS, Lorenson CL, Warren RL, Koreerat CM, Straseske CA, Childs JD. Y-balance test: a reliability study involving multiple raters. *Mil Med.* 2013;178(11):1264-70. doi: 10.7205/MILMED-D-13-00222. PubMed PMID: 24183777.
14. Siegelman R, Bianco T, Dierkes A, Chavez E, Lepak LV, Kane E, Sutlive T. *TherapyEd: Physical Therapy Course Manual Version 6.0* (December 2013) (contributing author).
15. Taylor A, Wilkins J, Deyle G, Gill N. Knee extension and stiffness in osteoarthritic and normal knees: A videofluoroscopic analysis of the effect of a single session of manual therapy. *J Orthopaedic and Sports Physical Therapy* 2014; 44(4): 273-282.
16. Teyhen DS, Shaffer SW, Lorenson CL, Greenberg MD, Rogers SM, Koreerat CM, Villena SL, Zosel KL, Walker MJ, Childs JC. Clinical measures associated with dynamic balance and functional movement. *J Strength Cond Res.* 2014 May;28(5):1272-83. PubMed PMID: 24755867.
17. Thelen MD, Ross MD, Tall MA. Cervical Myelopathy: Diagnosing Another Great Impostor. *AMEDD Journal.* 2014(Apr-Jun);31-38.
18. Tragord BS, Gill NW, Teyhen DS, Allison SC. Force Quantification and Therapist Reliability of Joint Mobilizations in Osteoarthritic Knees. *J Manual and Manipulative Therapy* 2013; 21(4): 196-206.

C. Publications In Press:

1. Crowell MS, Deyle GD, Owens J, Gill NW. Manual physical therapy combined with high-intensity functional rehabilitation for severe lower extremity musculoskeletal injuries: a case series. *J Man Manip Ther.* [Epub ahead of print] DOI: <http://dx.doi.org/10.1179/2042618614Y.0000000076>
2. Goss DL, Lewek MD, Yu B, Ware WB, Teyhen DS, Gross MT. Biomechanics of Runners Wearing Traditional and Minimalist Footwear. *J Ath Train.* 2014; In Press.
3. 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.* 2013 Oct; Epub ahead of print

4. Koppenhaver SL, Hebert JJ, Kawchuk GN, Croy TC, Childs JD, Teyhen DS, Fritz JM. Criterion validity of manual assessment of spinal mobility. *Manual Therapy*. 2014; epub ahead of print
5. Koppenhaver S, Flynn T, Crane C. Physical Examination. *Physical Examination (Chapter 5). Manual Therapy for Musculoskeletal Pain Syndromes of the Upper and Lower Quadrants: An Evidence-Informed Approach*. Churchill Livingstone, 2014, In press.
6. Su J, McGowen J, Koppenhaver S, Ultrasound Assessment of Lumbar Multifidus Muscle Function in a Patient with Low Back Pain. *Journal of Orthopaedic & Sports Physical Therapy*. 2014; In press.
7. Tragord B, Croy T, Mansfield L. Suprascapular neuropathy post distal clavicle excision. *Journal of Orthopedic and Sports Physical Therapy*, XX(XX), In Press, Oct 2014.
8. Warr BJ, Fellin RE, Sauer SG, Goss DL, Frykman PN, Seay JF. Characterization of Foot Strike Patterns: Lack of an Association with Injuries or Performance in Soldiers. In Review.

D. Publications – Abstracts:

1. Crowell M, Gill N, Deyle G, Owens J. Manual physical therapy combined with high-intensity functional rehabilitation for severe lower extremity musculoskeletal injuries and limb salvage. 2013 AAOMPT Conference, Cincinnati OH.
2. Croy T, Stoute S, Gerlinger T. Clinical and ultrasound evaluation of acute Achilles tendon rupture. *Orthopaedic Physical Therapy Practice*, Jan 2014.
3. Koppenhaver SL, Croy T, Trachtenberg RB, Ciccarello J, Waltrip J, Pike R, Walker MJ, Flynn TW. Effect of Dry Needling on Infraspinatus Muscle Function, Shoulder Mobility, and Pain Sensitivity in Patients with Shoulder Pain. *AMEDD Journal*. 2014; Jan-Mar. 96
4. Koppenhaver S, Croy T, Trachtenberg R, Ciccarello J, Pike R, Waltrip J, Walker M, Flynn T. Dry Needling to the Infraspinatus Improves Shoulder Mobility and Pain Sensitivity in Patients with Shoulder Impingement Syndrome. *Journal of Orthopaedic & Sports Physical Therapy*. 2014; 44(1) A31
5. Koppenhaver S, Croy T, Flynn T, Walker M, Harris D, Garoutte A, O'Connor E, Dummar M. Reliability of Ultrasound Imaging of the Infraspinatus Muscle in Patients with Shoulder Pain. 2014; 44(1) A29
6. Sutlive, T; Golden, A; Harm, K; Morris, W; Morrison, J; Moore, JH; Koppenhaver, S. Effects of Trigger Point Dry Needling on Pain and Disability in Individuals with Patellofemoral Pain Syndrome. *Muscle Function, Shoulder Mobility, and Pain Sensitivity in Patients with Shoulder*. *AMEDD Journal*. 2014; Jan-Mar. 92
7. Morris WB, Young B, Tragord B. The influence of infection on signs and symptoms of cervical arterial dysfunction: A case report. *Journal of Manual & Manipulative Therapy*. 2014; Electronic Publication
http://maneypublishing.com/images/pdf_site/AAOMPT_Platform_Presentations.pdf

8. Tragord BS, Gill NW, Teyhen DS, Allison SC. Force Quantification and Therapist Reliability of Joint Mobilizations in Osteoarthritic Knees. 2013 AAOMPT Conference, Cincinnati OH.
9. Taylor A, Wilkins J, Deyle G, Gill N. Can a single session of manual therapy improve knee extension in arthritic knees? A videofluoroscopic analysis. 2013 AAOMPT Conference, Cincinnati OH.
10. Waltrip, JJ. Beuning BA. Young B. Differential diagnosis and management of intermittent vascular claudication in a 57 year-old male. Journal of Manual & Manipulative Therapy. 2014; Electronic Publication http://maneypublishing.com/images/pdf_site/AAOMPT_Platform_Presentations.pdf

E. Platform Presentations:

1. Crowell M, Gill N, Deyle G, Owens J. Manual physical therapy combined with high-intensity functional rehabilitation for severe lower extremity musculoskeletal injuries and limb salvage. AAOMPT Conference, Cincinnati OH, 16 Oct 2013.
2. Koppenhaver SL, Croy T, Ciccarello J, Trachtenberg RB, Waltrip J, Pike R, Walker MJ, Flynn TW Effect of Dry Needling on Infraspinatus Muscle Function: Ensuing Pain and Disability in Patients with Shoulder Pain. APTA Combined Sections Meeting, Las Vegas, NV, Feb 2014. (Platform Presentation)
3. Koppenhaver S, Croy T, Harris D, O'Connor E, Garoutte A, Dummar M, Walker M, Flynn T. Reliability of Ultrasound Imaging of the Infraspinatus Muscle in Patients with Shoulder Pain. APTA Combined Sections Meeting, Las Vegas, NV, Feb 2014. (Platform Presentation)
4. Koppenhaver SL, Croy T, Trachtenberg RB, Ciccarello J, Waltrip J, Pike R, Walker MJ, Flynn TW. Effect of Dry Needling on Infraspinatus Muscle Function, Shoulder Mobility, and Pain Sensitivity in Patients with Shoulder Pain. Academy of Health Sciences -Graduate School 3rd Annual Research Day, Fort Sam Houston, TX, Dec 2013 (Platform Presentation).
5. Shaffer SW, Teyhen DS, Butler RJ, Williams AM, Prye J Goffar SL. Prospective Musculoskeletal Injury Rates Among Different Categories of Soldiers. (Research Platform) 3rd International Conference on Soldier Performance. Boston, MA. Aug 2014.
6. Shaffer SW, Teyhen DS, Butler RJ, Goffar SL, Kiesel KB, Rhon DI, Plisky PJ. Pain and prior injury as risk factors for musculoskeletal injury in Service Members: A prospective cohort study. (Research Platform). American Physical Therapy Association-Combined Sections Meeting. Las Vegas, NV, February 2014.
7. Sutlive, T; Koppenhaver, S; Moore, JH ; Golden, A; Harm, K; Morris, W; Morrison, J. Effects of Trigger Point Dry Needling on Pain and Disability in Individuals with Patellofemoral Pain Syndrome. Muscle Function, Shoulder Mobility, and Pain Sensitivity in Patients with Shoulder Pain. Academy of Health Sciences -Graduate School 3rd Annual Research Day, Fort Sam Houston, TX, Dec 2013 (Platform Presentation).

8. Taylor A, Wilkins J, Deyle G, Gill N. Can a single session of manual therapy improve knee extension in arthritic knees? A videofluoroscopic analysis. AAOMPT Conference, Cincinnati OH, 16 Oct 2013.
9. Teyhen DS, Shaffer SW, Butler RJ, Goffar SL, Kiesel KB, Rhon DI, Plisky PJ. Influence of Pain and Prior Injury on Musculoskeletal Injury Occurrence: (Research Platform) A Prospective Review of a Large Military Cohort.
10. Tragord BS, Gill NW, Teyhen DS, Allison SC. Force Quantification and Therapist Reliability of Joint Mobilizations in Osteoarthritic Knees. AAOMPT Conference, Cincinnati OH, 16 Oct 2013. (AAOMPT 2013 Lower Extremity Panel Research Award)

F. Poster Presentations:

1. Clewley D, Koppenhaver S, Flynn, T, Trigger point dry needling as an adjunct treatment for a patient with adhesive capsulitis of the shoulder. APTA Combined Sections Meeting, Las Vegas, NV, Feb 2014. (Poster Presentation)
2. Fellin RE, Goss DL, Sauer SG, Warr BJ, Seay JF. 2014. *Habitual Runners in Minimalist Shoes are Mostly Heel Strikers in a Military Population*. American College of Sports Medicine Annual Meeting, Orlando, FL
3. Goss DL, Lewek MD, Yu B, Teyhen DS, Ware WB, Gross MT. 2014. *Lower Extremity Biomechanics and Self-Reported Foot Strike Patterns Among Runners in Traditional and Minimalist Shoes*. 3rd International Congress on Soldiers' Physical Performance, Boston, MA.
4. Goss D, Bisagni F, James M, Campbell S, Rabago C, Rodriguez K. 2014. *Running Gait Re-Training in a Soldier Following a Femoral Neck Stress Fracture: A Case Study*. 3rd International Congress on Soldiers' Physical Performance, Boston, MA.
5. Goss DL, Bisagni FB, Moore JH, Teyhen DS, Cavanagh PR, Keenan PG, Call BP, Harney NA, Wheelis IE. 2014. *Perceived Comfort and Plantar Pressure of an Energy Storing and Returning Orthosis in a Prototype Military Boot*. Expert Scientific Meeting (Novel), Boston, MA.
6. Griffiths B, Wait D, Beuning B, Koppenhaver S. Trigger-point dry needling in a person with generalized dystonia: A case study. APTA Combined Sections Meeting, Las Vegas, NV, Feb 2014. (Poster Presentation)
7. Hoppes CW, Griffiths BD, Hopkins CF, Principe MF, Sperier AD, Schnall BL, Bell JC, Koppenhaver SL. Efficacy of an Eight-Week Core Stabilization Program on Core Muscle Function and Endurance. Academy of Health Sciences -Graduate School 3rd Annual Research Day, Fort Sam Houston, TX, Dec 2013 (Poster Presentation).
8. Hoppes CW, Griffiths BD, Hopkins CF, Principe MF, Sperier AD, Schnall BL, Bell JC, Koppenhaver SL. Efficacy of an Eight-Week Core Stabilization Program on Core Muscle Function and Endurance. APTA Combined Sections Meeting, Las Vegas, NV, Feb 2014. (Poster Presentation)

9. Koppenhaver S, Croy T, Garoutte A, Harris D, O'Connor E, Dummar M, Walker M, Flynn T. Reliability and Discriminant Validity of Rehabilitative Ultrasound Imaging of the Infraspinatus Muscle in Patients with Shoulder Impingement Syndrome. Academy of Health Sciences -Graduate School 3rd Annual Research Day, Fort Sam Houston, TX, Dec 2013 (Poster Presentation).
10. Koppenhaver S, Croy T, Ciccarello J, Pike R, Trachtenberg R, Waltrip J, Walker M, Flynn T Dry Needling to the Infraspinatus Improves Shoulder Mobility and Pain Sensitivity in Patients with Shoulder Impingement Syndrome. APTA Combined Sections Meeting, Las Vegas, NV, Feb 2014. (Poster Presentation)
11. Koppenhaver S, Croy T, Garoutte A, Harris D, O'Connor E, Dummar M, Walker M, Flynn T. Discriminant Validity of Rehabilitative Ultrasound Imaging of the Infraspinatus Muscle in Patients with Shoulder Impingement Syndrome. APTA Combined Sections Meeting, Las Vegas, NV, Feb 2014. (Poster Presentation)
12. Koppenhaver SL, Hebert JJ, Kawchuk GN, Croy TC, Childs JD, Teyhen DS, Fritz JM. Criterion validity of manual assessment of spinal mobility. APTA Combined Sections Meeting, Las Vegas, NV, Feb 2014. (Poster Presentation)
13. Lester ME, Dibble LE, Foreman KB, Marcus RL, Cavanaugh J, Shaffer SW. Influence of Galvanic Vestibular Stimulation on Temporal Components of Postural Stability. (Research Poster). American Physical Therapy Association-Combined Sections Meeting. Las Vegas, NV, February 2014.
14. Lester ME, Smith L, Papa E, Dobie G, Dibble LE, Foreman K. Utility of the Posterior Tether Release in Assessing Reactive Postural Stability. University of Utah, Salt Lake City, UT. 2014 American Physical Therapy Association Combined Sections Meeting Poster Presentation, Las Vegas, NV
15. Lester ME, Dibble LE, Foreman K, Mrcus R, Cavanaugh J, Shaffer, S. Influence of Galvanic Vestibular Stimulation on Temporal Components of Postural Stability University of Utah, Salt Lake City, UT. 2014 American Physical Therapy Association Combined Sections Meeting Poster Presentation, Las Vegas, NV
16. Mayer J, Childs J, Neilson B, Koppenhaver S, Morgan S, Stoute S, Hurley B, Francis M, Quillen W. Improving Low Back Muscle Strength in Soldiers: A Randomized Trial. Academy of Health Sciences -Graduate School 3rd Annual Research Day, Fort Sam Houston, TX, Dec 2013 (Poster Presentation).
17. Rhon DI, Teyhen DS, Shaffer SW, Butler RJ, Goffar SL, Kiesel KB, Boyles RE, McMillian D, Williamson JN, Plisky PJ. Comparison of Performance between Rangers, Combat, Combat Service, and Combat Service Support Soldiers. (Research Poster) 3rd International Congress on Soldiers' Physical Performance, Boston, MA, Aug 2014
18. Shaffer SW, Alexander K, Huffman D, Kambe C, Miller R, Moore, JH, Greathouse DG. Median and Ulnar Neuropathies in U.S. Dental Personnel. Texas Physical Therapy Association. San Antonio, TX. October 2013.

19. Teyhen DS, Rhon DJ, Butler RJ, Shaffer SW, Goffar SL, McMillian DJ, Boyles R, Kiesel KB, Plisky PJ. Influence of Physical Activity, Weight, Smoking, and Prior Injury on Physical Performance. (Research Poster). American Physical Therapy Association-Combined Sections Meeting. Las Vegas, NV, February 2014.
20. Teyhen DS, Rhon DI, Butler RJ, Shaffer SW, Goffar SL, McMillian D, Boyles, RE, Kiesel KB, Plisky PJ. Influence of Physical Activity, Weight, Smoking and Prior Injury on Performance. (Research Poster) 3rd International Congress on Soldiers' Physical Performance, Boston, MA, Aug 2014.
21. Thelen MD, Koppenhaver S, Hoppes C. A Novel Return to Duty Screening Tool for Military Clinicians. (Poster Presentation at 3rd International Congress on Soldiers' Physical Performance, 2014)
22. Warr BJ, Fellin RE, Frykman PN, Sauer SG, Goss DL, Seay JF. 2014. *Foot-strike Characterization and the Relationship to Self-Reported Injury and Performance in a Military Population*. American College of Sports Medicine Annual Meeting, Orlando, FL

G. Grants Awarded:(\$4.01 Million)

1. Koppenhaver S, Using Structural Health Monitoring to Improve Diagnosis and Treatment of Low Back Injury in U.S. Service Members-Phase 2. Telemedicine & Advanced Technology Research Center (TATRC) AMEDD Advanced Medical Technology Initiative. Primary Investigator. \$225,000. 2014-2015
2. Koppenhaver S, Using In Shoe Real Time Biofeedback to Alter Running Biomechanics. Telemedicine & Advanced Technology Research Center (TATRC) AMEDD Advanced Medical Technology Initiative. Co-Investigator (PI: Don Goss). \$240,000. 2013-2014
3. Koppenhaver S, Using Structural Health Monitoring to Improve Diagnosis and Treatment of Low Back Injury in U.S. Service Members-Phase 1. Telemedicine & Advanced Technology Research Center (TATRC) AMEDD Advanced Medical Technology Initiative. Primary Investigator. \$248,000. 2013-2014
4. Lester M, 2014 Army Advanced Medical Technology Initiative (AAMTI) Grant. Utility of Portable Video Technologies to Discriminate Alterations in Postural Control. \$129,510.00
5. Rhon D, Butler R, Teyhen DS, Shaffer SW, Kiesel K, Plisky P. "Development of Predictive Models for Lower Extremity, Lumbar, and Thoracic Injury after Discharge from Physical Rehabilitation." Grant in Review. Defense Medical Research and Development Program, Role: Principal Investigator. Application Log Number: D10_I_AR_J5_951, \$1,1700,000. April 2013.
6. Wilken JM, Tulsy DS, Shaffer SW, Houck K, Hill OT. "Maximizing Outpatient Rehabilitation Effectiveness (MORE)." BADER Consortium. 1,552,483. December 2013.

7. Koppenhaver S, Evaluation of a Running Sock Designed to Provide Real Time Biofeedback to Healthy U.S. Service Members. Telemedicine & Advanced Technology Research Center (TATRC) AMEDD Advanced Medical Technology Initiative. Co-Investigator (PI: Don Goss). \$240,000.
8. Lester M, 2014 Army Advanced Medical Technology Initiative (AAMTI) Grant. Feasibility of Accelerometry to Discriminate Alterations in Postural Control Following Vestibular Insult. \$212,500.00.

H. Grants Submitted:

1. Koppenhaver S, Neuromechanical Technology for Improving Joint Flexibility. Peer Reviewed Orthopaedic Research Program. Co-Investigator (PI: M Shino Shinohara). \$780,000. Initial submission 2014. Pending.
2. Koppenhaver S, Using Structural Health Monitoring to Improve Diagnosis and Treatment of Chronic Pain in U.S. Service Members: Translation to a Novel Handheld Device. Telemedicine & Advanced Technology Research Center (TATRC) AMEDD Advanced Medical Technology Initiative. Principle-Investigator \$211,000. Initial submission 2014. Pending.
3. Koppenhaver S, Using Novel Technology to Assess the Effectiveness of Dry Needling in the Treatment of Patients with Chronic Achilles Tendinopathy. Telemedicine & Advanced Technology Research Center (TATRC) AMEDD Advanced Medical Technology Initiative. Co-Investigator (PI: William Werling). \$246,000. Initial submission 2014. Pending.
4. Koppenhaver S, Evaluation of a Musculoskeletal Readiness Screening Tool. Air Force Medical Service Agency, Surgeon General for Research and Development (AFMSA/SG5I). Co-Investigator (PI: Don Goss). \$141,000. Initial submission 2014. Pending.

I. Invited Presentations and Lectures:

1. Goss D, March In Time: Shod or Barefoot Running, Next APTA Physical Therapy National Conference June 14
2. Koppenahver S, Sutlive T, *Anatomic Review and Introduction to Dry Needling of the Lower Extremity*: US Army -Baylor University Physical Therapy Alumni Continuing Education Course, San Antonio, TX 15 Aug [6 hours]
3. Koppenahver S, *Introduction to and Current Evidence on Dry Needling*: University of Incarnate Word Physical Therapy, San Antonio, TX 30 Jul [3.5 hours]
4. Koppenahver S, *Current Evidence and Ongoing Clinically Relevant Research on Dry Needling*: APTA Annual NEXT Conference, Charlotte, NC, 15 Jun [1.5 hours]
5. Koppenahver S, *Trigger Point Dry Needling*: COL Kersey Advanced Clinical and Operational Practice Course for Physical Therapy Officers, San Antonio, TX, 2-10 Nov [45 hours]

J. Academic or Research Awards:

1. Koppenhaver S, COL David Greathouse Research Award for Best Abstract
2. Koppenhaver S, The Surgeon General's "A" Proficiency in Physical Therapy
3. Thelen M, 8Z Additional Skill Identifier for Research Excellence

III. Doctorate in Pastoral Care

A. Publications: None

B. Platform Presentations:

1. Duke, James. Darnall Army Community Hospital, Fort Hood, Texas. "The role of the hospital chaplain and the role of the warrior transition unit chaplain" 6 November 2013.
2. Post DOMA Training, VTC, Chaplain (COL) Brent Causey. Madigan Army Medical Center, JBLM. 28 July 2014.

C. Poster Presentations: None

D. Grant Activity: None

E. Invited Lectures:

1. Prentiss, James. Messinger, Bruce. Chaplaincy and Its Prophetic Voice. Presentation, Harpers Ferry, West Virginia, October 01, 2013.
2. Ellis, John, DMin, PhD. Messinger, Bruce. Crafting a DMin Project Dissertation. Presentation, Clinical Pastoral Education Center, Fort Belvoir, Virginia, October 02, 2013.
3. Dr. Mary Browne, Director of CPE at Audie Murphy VA, "Palliative Care", presented at the quarterly San Antonio CPE Day RN, MSN. 15 October 2013.
4. MEDCOM, Personnel Brief; Chaplain (LTC) Ken Hurst. Madigan Army Medical Center, JBLM. 15 October 2014.
5. CH (COL) Gary Norris, Command Chaplain, SAMMC, "Connecting the Dots: Career Management" 17 October 2013.
6. CH (MAJ) Brooks, AMEDDC&S Bio-ethicist, "Ethics training for medical chaplains." 21- 25 October 2013.
7. Mr. Roy Cortinez, Camp Bullis Site director, "Understanding the patient flow, triage, and the setting of a Combat Support Hospital" 30 October 2013.
8. Dr. James Cockerill, Senior Behavioral Health clinician, SAMMC, "Role of faith and integration in behavioral health staff and patients" 1 November 2013.

9. MAJ McKay, clinical director of HIV/AIDS clinic, "Integration of pastoral care in the care of HIV/AIDS patients" 13 November 2013.
10. Dr. Toby Lofton, PTSD Research Presentation. 16 December 2013.
11. Joni Duke, MSE, "Bereavement after loss of a child" 18 February 2014.
12. Dr. Peter Bauer, "Moral Injury" at WHMC. 17 March 2014.
13. Dr. Herm Keizer, "Moral Injury and Soul Repair", 14-17 April 2014.
14. Pappas, Kristi, CH (MAJ). "Resiliency through the Arts" (Legion & our Demons). Presentation, Clinical Pastoral Education, Fort Belvoir, VA, April 24, 2014.
15. CH (COL) Gary Norris, Command Chaplain, SAMMC, "Connecting the Dots: Career Management" 1 May 2014.
16. Dr. Daniel Franklin, "Managing expectations in geriatric development for self/others." 2 May 2014.
17. CH (LTC-R) Will Bearden, Endorser for Baptist General Convention of Texas (BGCT), "Civilian Chaplaincy and Emergency/Crisis Response." 7 May 2014.
18. MAJ Ronnie Bigham, AMEDDC&S Physician Assistant Instructor, "Expectations of medical staff for chaplains" 9 May 2014.
19. Pappas, Kristi, CH (MAJ). "Resiliency through the Arts" (Legion & our Demons). Presentation, Clinical Pastoral Education, Fort Belvoir, VA, April 24, 2014.
20. Dr. Joseph Urcavich, "Spiritual Health in Medical Ministry" 30 June – 08 July 2014.
21. Dr. Bob Williams, BCC, "Association of Professional Chaplain (APC) Board Certification Processes" 13 August 2014.
22. Cardona, Saul, CH (MAJ) Retired. "Hospice Care." Presentation, Clinical Pastoral Education Center, Fort Belvoir, VA, August 20, 2014.
23. Pappas, Kristi, CH (MAJ). "Theological Worlds." Presentation, Clinical Pastoral Education Center, Fort Belvoir, VA, September 17, 2014.
24. Dr. (COL) Robert Hale, Chief of Facial Reconstructive Surgery at SAMMC/ISR., "Facial Regeneration: The personal and spiritual impact of getting a new face." 3 September 2014.
25. Mallard Timothy, D.Min. Chaplain (Colonel), The Human Experience of Suffering in Military Career, Fort Gordon CPE Center. 12 September 2014.
26. Flowers, Jeffery, Reverend, Medical Ethics Symposium, Augusta GA, 22 October 2014.
27. Meriweather, Lisa R. PHD. Presentation for SE Region ACPE Meeting, Developing Polyrythmic Sensibilities: Strategies for Pastoral Care. 2 October 2014.

28. Dr. Mondragon, M.D. Colonel, Medical Profession and the Chaplain, Fort Gordon CPE Center, 15 September 2014
29. National Association of State Mental Health Program Directors Trauma-Informed Care Training, Letterman Auditorium, Madigan Army Medical Center, JBLM, 22 September 2014.
30. The Cost of Your Calling; The Rev. (Dr) Dan and Becky Allender; Pastors' Prayer Breakfast, Seattle University of Theology and Psychology, Seattle, WA, 23 September 2014.
31. Randy Roberson, LTC, Ministry in a Military Hospital and CPE Introduction, Fort Gordon Hospital Chapel, 2014
32. Echols, Beth. Military Prison Ministry Orientation. Chaplain (MAJ) Michael Williams, RCF, JBLM, 11-12 September 2014.

F. Academic or Research Awards:

1. Yates, Douglas Andrew, DMin Dissertation, "Spiritual Resiliency: A Study of the Life of Joseph from Genesis." Erskine College and Theological Seminary, Due West, South Carolina, October 2013.
2. Saint-Val, Franstzo, DMin Dissertation, "Mending Broken People." Erskine College and Theological Seminary, Due West, South Carolina, November 2013.
3. Duke, James, DMin. Dissertation, "Educating CPE Supervisors in the U.S. Army." Erskine College and Theological Seminary, Due West, South Carolina, 1 May 2014.
4. Myers, Roy M., DMin Dissertation, Passed ACPE Associate Committee with "Exceptional Committee Appearance" 5 May 2014.
5. Smith, Stanley Vyrl. DMin. Dissertation, "Prayer and Technology: Restoring Intimacy with God for a Relationally Alienated Generation." Erskine College and Theological Seminary, Due West, South Carolina, 22 May 2014.

IV. US Army Graduate Program in Anesthesia Nursing

A. Publications:

1. Bellenger, S. and Frizzi, J. Sevoflurane As A Therapy For Acute Chlorine Gas Exposure In An Austere Environment: A Case Report, *AANA J*, June 2014, 82(3), pp. 223-226.
2. Benham, B., & Hawley, D. (2014). The effectiveness of tools used to evaluate successful critical decision making skills for applicants to healthcare graduate educational programs: A systematic review protocol. *The JBI Database of Systematic Reviews and Implementation Reports*, 12(3), 39 - 50. doi:10.11124/jbisrir-2014-1392
3. Benham, B. & Hawley, D. (2014). The effectiveness of tools used to evaluate successful critical decision making skills for applicants to

- healthcare graduate educational programs: A systematic review protocol. *The JBI Database of Systematic Reviews and Implementation Reports*, 12(3), 39 - 50. doi:10.11124/jbisrir-2014-1392
4. Burgert J, Austin P, Johnson D. An Evidence-Based Review of the Pharmacokinetics of Epinephrine Administered via the Intraosseous Route in Animal Models of Cardiac Arrest. *Military Medicine*. 2013. *Military Medicine*. Jan2014, Vol. 179 Issue 1, p99-104.
 5. Burgert, James, An Analysis of Communication Centered Policy Alternatives to Address the Anesthesia Drug Shortage, *Health Policy and Technology*, Volume 3, March 2014, pp 66.
 6. Burgert J, Mozer J, Williams T, Gostnell J, Gegel, B, Johnson S, Bentley M, Johnson D. The Effects of Intraosseous Transfusion of Whole Blood on Hemolysis and Transfusion Time in a Swine Model of Hemorrhagic Shock: A Pilot Study. *AANA J*. June 2014.
 7. Burgert, J. "Argyria resulting from chronic use of colloidal silver in a patient presenting for colonoscopy" *Anesthesia & Analgesia Case Reports*, In Press.
 8. Ceremuga, T., Bentley, M., Anderson, R., Frye, P., Duvall, C., Maan, J., Manjarres, C., Petsche, J., Ceremuga, G. Effects of Tetrahydropalmatine (THP) on PTSD-induced Changes in Rat Neurobehavior, *Plant Science Today*, February 2014.
 9. Ceremuga, T., Martinson, S., Washington, J., Revels, R., Wojcicki, J., Crawford D., Edwards, R., Kemper, J., Townsend, W., Ceremuga, G., Padron, G., Herron, G., Bentley, M. Effects of L-theanine on Post Traumatic Stress Disorder Induced Changes in Rat Brain Gene Expression, *The Scientific World Journal*, Volume 2014, Article ID 419032, <http://dx.doi.org/10.1155/2014/419032>
 10. Ceremuga T., Shellabarger P., Persson T., Fanning M., Galey P., Robinson D., Bertsch S., Ceremuga G., Bentley M. Effects of tetrahydropalmatine on post-traumatic stress disorder-induced changes in rat brain gene expression, *Journal of Integrative Neuroscience*, Vol. 12, No. 4 (2013) 1–16.
 11. Ceremuga, T., Valdivieso, D., Kenner, C., Lucia, A., Lathrop, K., Stailey, O., Bailey, H., Criss, J., Linton, J., Fried, J., Taylor, A., Padron, G., Johnson, D. Evaluation of the Anxiolytic and Antidepressant Effects of Asiatic Acid, a Compound from Gotu kola or Centella asiatica, in the Male Sprague-Dawley Rat, *AANA Journal*, In Press.
 12. Garcia-Blanco, J., Gegel, B., Burgert, J., Johnson, S., Johnson, D. The Effects of Movement on Hemorrhage when QuikClot Combat Gauze is used in a Hypothermic Hemodiluted Porcine Model, *J Spec Oper Med*, In Press.
 13. Gegel, B., Austin, P., Johnson, D. An Evidence-Based Review of the Use of QuikClot Combat Gauze for Hemorrhage Control, *AANA Journal*, November 2013.
 14. Johnson, D., Anderson, S., Johnson, S. To Change or Not to Change a Multiple Choice Answer, *AMEDD Journal*, Jan-Mar 2014, Page 86-88.

15. Johnson, Don & Johnson, Sabine. The Effects of Using a Human Patient Simulator Compared to a CD-ROM in Teaching Critical Thinking and Performance, *AMEDD Journal*, Jan-Mar 2014, Page 59-64.
16. Johnson, A., Gegel, B., Burgert, J., Florez J., Dunton M. The Effects of QuickClot Combat Gauze, Fluid Resuscitation, and Movement on Hemorrhage Control in a Porcine Model. *British Journal of Medicine and Research*, December 2013.
17. Johnson, A., Gegel, B., Burgert, J., Brennan, A., Francis, M., Nales, H., Perez, H., Loughren, M. Effects of Fluid Resuscitation when BleedArrest is used for Hemorrhage Control, *Analgesia & Resuscitation: Current Research*, November, 2013, 2:2.
18. Johnson, D., Bates, S., Nukalo, S., Staub, A., Hines, A., Leishman, T., Michel, J., Sikes, D., Gegel, B., Burgert, J. Effects of QuikClot Combat Gauze on Hemorrhage Control in the Presence of Hemodilution and Hypothermia, *Annals of Medicine and Surgery*, March 2014.
19. Johnson, D. Dial, J., Ard, J., Yourk, T., Burke, E., Paine, C., Gegel, B., Burgert, J. Effects of Intraosseous and Intravenous Administration of Hextend on Time of Administration and Hemodynamics in a Swine Model, *Journal of Special Operations Medicine*, Volume 14, Edition 1/Spring, 79-86, 2014.
20. Johnson, D. "Hemostatic Agents: State of the Science," Accepted for *Annual Review of Nursing Research*, to be published Fall, 2014. Loughren, M., Portenlanger, P., Banks, S., Naluan, C., Wendorf, A., Johnson, D., Onset and Duration of Intravenous and Intraosseous Rocuronium in Swine, *Western Journal of Emergency Medicine*, January 10, 2014.
21. Laird, MD, Shields, JS, Sukumari-Ramesh, S., Kimbler, DE. High mobility group box protein-1 promotes cerebral edema after traumatic brain injury via activation of toll-like receptor 4, *Glia* 62 (1), 26-38.
22. Loughren, M., Kilbourn, J., Worth, K., Burgert, J., Gegel, B., Johnson, D. Comparison of muscle paralysis after intravenous and intraosseous administration of succinylcholine in Swine. *J Spec Oper Med*, 2014 vol. 14(2) pp. 35-7.
23. O'Sullivan, J., Johnson, D. Waterman, M "Comparative Resuscitation Measures for the Treatment of Despiramine Overdose" *Military Medicine*, In Press.
24. Robert V. Nata, editor, Johnson, The Effects of Teaching Strategies on Cognition and Performance, *Progress in Education* Nova Publisher, New York, Volume 29, pp 83-116
25. Watson, WD., Buonora, JE., Yarnell, AM., Lucky, JJ., D'Acchille, MI., McMullen, DC., Cole, JT. (2013). "Impaired cortical mitochondrial function following TBI precedes behavioral changes." *Front Neuroenergetics*, 5, 12 February 2014.

B. Publications - Abstracts:

1. Bates, S., Nukalo, S., Staub, A., Hines, A., Leishman, T., Michel, J., Sikes, D., Gegel, B., Burgert, J., Johnson, D. The Effects of QuikClot Combat Gauze on Hemorrhage Control in the Presence of Hemodilution and Hypothermia, September 15, 2014, Nurse Anesthesia Annual Congress, Orlando, FL.
2. Brady, J., Bolido, A., Gore, K., King, T., Leal, H., Gallahan, B., Lowery, B., Stevens, K., O'Sullivan, J., Johnson, D. The Effects Vasopressin and Epinephrine on Cardiac Arrest Following Desipramine Overdose in a Porcine Model, September 2014, Nurse Anesthesia Annual Congress, Orlando, FL.
3. Brzuchalski, J., Stone, J., Hernandez, M., Rushton, J., Johnson, D. Effects of the ResQPod on Maximum Concentration and Time to Maximum Concentration of Epinephrine in a Porcine Cardiac Arrest Model, September 15, 2014, Nurse Anesthesia Annual Congress, Orlando, FL.
4. Buonora JE, Mousseau M, Latour L, Diaz-Arrastia R, Pollard H, Rizoli S, Baker A, Rhind S, Mueller G. Development of a Traumatic Brain Injury Assessment Score Using Novel Biomarkers Discovered Through Autoimmune Profiling, abstract published *AMEDD Journal*, Jan-Mar 2014.
5. Buonora, J., Mousseau, M., Latour, L., Diaz-Arrastia, R., Pollard, H., Rizoli, S., Baker, A., Rhind, S., Mueller, G. Development of a Traumatic Brain Injury Assessment Score Using Novel Biomarkers Discovered Through Autoimmune Profiling, September 15, 2014, Nurse Anesthesia Annual Congress, Orlando, FL.
6. Coyner, J., McGuire, J., Ursano, R., Parker, C., Palmer, A., Johnson, L. Differential Expression of Phosphorylated Mitogen-Activated Protein Kinase (pMAPK) in the Lateral Amygdala of Mice Selectively Bred for High and Low Fear, September 15, 2014, Nurse Anesthesia Annual Congress, Orlando, FL.
7. Dial, J., Ard, J., Yourk, T., Burke, E., Paine, C., Gegel, B., Burgert, J., Johnson, D. Effects of Intraosseous and Intravenous Administration of Hextend on Time of Administration and Hemodynamics in a Swine Model, September 15, 2014, Nurse Anesthesia Annual Congress, Orlando, FL.
8. Gore K., Gallahan B., King T., Leal H., Lowery B., Stevens K., Bolido A., Brady J., Johnson AD. The Effects of Epinephrine and Vasopressin on Survival from Cardiac Arrest Following Desipramine Overdose in a Porcine Model, abstract published *AMEDD Journal*, Jan-Mar 2014.
9. Iosett, N., Kahl, B., Aitken, J., Negron, A., Johnson, D., O'Sullivan, J. Comparative Resuscitative Methods for Venlafaxine Toxicity in a Swine Model, September 15, 2014, Nurse Anesthesia Annual Congress, Orlando, FL.
10. Townsend, W., Edwards, R., Martinson, S., Washington, J., Revels, R., Wojcicki, J., Crawford, D., Kemper, J., Rankin, B., Herron, G., Ceremuga, G., Padrón, G. Bentley, M., Ceremuga, T. Effects of L-theanine on Post Traumatic Stress Disorder Induced Changes in Rat Brain Gene Expression, September 15, 2014, Nurse Anesthesia Annual Congress, Orlando, FL.

11. Wolfe, J., Ferrara, B., Baldwin, S., Onstott, T., Aytes, K., Alleyn, M., Fortner, C., Ceremuga, G., Padrón, G., Bentley, M., Ceremuga, T. Effects of L-Theanine on PTSD-induced Changes in Rat Neurobehavior, September 2014, Nurse Anesthesia Annual Congress, Orlando, FL.

C. Publications in Review:

1. Benham, B., & Hawley, D. (2014). The effectiveness of tools used to evaluate successful critical decision making skills for applicants to healthcare graduate educational programs: A systematic review. *The JBI Database of Systematic Reviews and Implementation Reports, Publication*, submitted.
2. Buonora, J., Lazarus, R., Jacobowitz, D., Pollard, H., Mueller, G. Discovery that Peroxiredoxin 6 (PRDX6) is an Autoantigen in Plasma from Brain-Injured Rats, and Development of a Sensitive and Specific Assay for PRDX6 in Human Plasma, Michael Mousseau, *Journal of Neurotrauma*, submitted.
3. Ceremuga, T., Bentley, M., Wolfe, J., Baldwin, S., Onstott, T., Aytes, K., Ferrara, B., Alleyn, M., Fortner, C., Ceremuga, G., Padron, G. Effects of L-Theanine on PTSD-induced Changes in Rat Neurobehavior, *AMEDD Journal*, submitted.
4. Coyner, J., McGuire, J., Parker, C., Cockshaw, W., Ursano, R., Palmer, A., Johnson, L.R. The MEK Inhibitor SL327 Inhibits Cued and Contextual Fear in Mice Selectively Bred for High and Low Fear Behavior, *Behavioral and Brain Functions*, submitted. Lucas, L. Effect of Uniform Preoperative Testing on Reduction of Elective Surgery Cancellations, submitted.
5. Jenkins, C., Fulton, L., Korkow, N., Brinkley, K., Costello, K., Alford, H., Johnson, D. Effects of the ResQPod® on Pharmacokinetics, Hemodynamics, and Survivability in a Porcine Cardiac Arrest Model When Vasopressin is Used, submitted *British Journal of Medicine and Medical Research*.
6. Johnson, D., Westbrook, D., Phelps, D., Blanco, J., Bentley, M., Burgert, J., Gegel, B. The Effects of QuikClot Combat Gauze on Hemorrhage Control when used in a Porcine Model of Lethal Femoral Injury, *Emergency Medicine of The Scientific World Journal*, submitted.
7. Lazarus, R., Buonora, J., Mousseau, M., Jacobowitz, D., Yarnell, A., Olsen, C., Pollard, H., Diaz-Arrastia, R., Latour, L., Mueller, G. Protein carbonylation following traumatic brain injury: Cell specificity, regional susceptibility, and gender differences, *Free Radical Biology and Medicine*, submitted.

D. Platform Presentations:

1. Aitken, J., Iosett, N., Kahl, B., Negron, A., Johnson, D., O'Sullivan, J. Comparative Resuscitative Methods for Venlafaxine Toxicity in a Swine Model, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.

2. Bates, S., Nukalo, S., Staub, A., Hines, A., Leishman, T., Michel, J., Sikes, D., Gegel, B., Burgert, J., Johnson, D. The Effects of QuikClot Combat Gauze on Hemorrhage Control in the Presence of Hemodilution and Hypothermia, September 15, 2014, Nurse Anesthesia Annual Congress, Orlando, FL.
3. Benham, B. The Effectiveness of Tools Used to Evaluate Successful Critical Decision Making Skills for Applicants to Nursing Graduate Programs: A Systematic Review, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
4. Bentley, M. Effects of Intraosseous Transfusion of Whole Blood on Hemolysis and Transfusion Time in a Swine Model of Hemorrhagic Shock: A Pilot Study, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
5. Bolido A, Brady J, Gallahan B, Gore K, King T, Leal H, Lowery B, Stevens K, Johnson D, O'Sullivan J. The Effects Vasopressin and Epinephrine on Cardiac Arrest Following Desipramine Overdose in a Porcine Model, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
6. Brzuchalski, J., Stone, J., Hernandez, M., Rushton, J., Johnson, D. Effects of the ResQPod on Maximum Concentration and Time to Maximum Concentration of Epinephrine in a Porcine Cardiac Arrest Model, September 15, 2014, Nurse Anesthesia Annual Congress, Orlando, FL.
7. Buonora, J. Development of a Traumatic Brain Injury Assessment Score Using Novel Biomarkers Discovered Through Autoimmune Profiling, December 11, 2013, 3rd Annual Academy of Health Sciences Graduate School Research Day, San Antonio, Texas.
8. Buonora, J. Immune Response Biomarker Profiling for Traumatic Brain Injury, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
9. Buonora, J., Mousseau, M., Latour, L., Diaz-Arrastia, R., Pollard, H., Rizoli, S., Baker, A., Rhind, S., Mueller, G. Development of a Traumatic Brain Injury Assessment Score Using Novel Biomarkers Discovered Through Autoimmune Profiling, September 15, 2014, Nurse Anesthesia Annual Congress, Orlando, FL.
10. Buonora, J., Mousseau, M., Latour, L., Diaz-Arrastia, R., Pollard, H., Rizoli, S., Baker, A., Rhind, S., Mueller, G. Development of a Traumatic Brain Injury Assessment Score Using Novel Biomarkers Discovered Through Autoimmune Profiling, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
11. Burgert, J., Gegel, B., Johnson, D. The Pharmacokinetics Of Intravenous, Tibial Intraosseous And Sternal Intraosseous Epinephrine During Cardiopulmonary Resuscitation In A Swine Model Of Cardiac Arrest,

- Networking World Anesthesia Conference in Vienna, Austria April 30-May 30.
12. Coyner, J., McGuire, J., Ursano, R., Parker, C., Palmer, A., Johnson, L. Differential Expression of Phosphorylated Mitogen-Activated Protein Kinase (pMAPK) in the Lateral Amygdala of Mice Selectively Bred for High and Low Fear, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
 13. Coyner, J., McGuire, J., Ursano, R., Parker, C., Palmer, A., Johnson, L. Differential Expression of Phosphorylated Mitogen-Activated Protein Kinase (pMAPK) in the Lateral Amygdala of Mice Selectively Bred for High and Low Fear, September 15, 2014, Nurse Anesthesia Annual Congress, Orlando, FL.
 14. Dial, J., Ard, J., Yourk, T., Burke, E., Paine, C., Gegel, B., Burgert, J., Johnson, D. Effects of Intraosseous and Intravenous Administration of Hextend on Time of Administration and Hemodynamics in a Swine Model, September 15, 2014, Nurse Anesthesia Annual Congress, Orlando, FL.
 15. Dial, J., Johnson, D. Ard, J., Yourk, T., Burke, E., Paine, C., Gegel, B., Burgert, J. Effects of Intraosseous and Intravenous Administration of Hextend on Time of Administration and Hemodynamics in a Swine Model, presented at CRDAMC Research Day, Fort Hood, June 2014.
 16. Edwards, R., Townsend, W., Martinson, S., Washington, J., Revels, R., Wojcicki, J., Crawford, D., Kemper, J., Rankin, B., Herron, G., Ceremuga, G., Padrón, G. Bentley, M., Ceremuga, T. Effects of L-theanine on Post Traumatic Stress Disorder Induced Changes in Rat Brain Gene Expression, September 15, 2014, Nurse Anesthesia Annual Congress, Orlando, FL.
 17. Iosett, N., Kahl, B., Aitken, J., Negron, A., Johnson, D., O'Sullivan, J. Comparative Resuscitative Methods for Venlafaxine Toxicity in a Swine Model, September 15, 2014, Nurse Anesthesia Annual Congress, Orlando, FL.
 18. Jenkins, C. An Evidenced-Based Review of Talent Management Implementation Practices, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
 19. Johnson D, O'Sullivan J, Bolido A, Brady J, Gallahan B, Gore K, King T, Leal H, Lowery B, Stevens K. (2013) The Effects Vasopressin and Epinephrine on Cardiac Arrest Following Desipramine Overdose in a Porcine Model, Hawaii Association of Nurse Anesthetist (HANA) State Conference, April 5th 2014.
 20. Johnson, D., Brzuchalski, J., Stone, J., Hernandez, M., Rushton, J. Effects of the ResQPod on Maximum Concentration and Time to Maximum Concentration of Epinephrine in a Porcine Cardiac Arrest Model, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
 21. Johnson, D., Bates, S., Nukalo, S., Staub, A., Hines, A., Leishman, T., Michel, J., Sikes, D., Gegel, B., Burgert, J., The Effects of QuikClot

- Combat Gauze on Hemorrhage Control in the Presence of Hemodilution and Hypothermia, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
22. Kemper, J., Townsend, W., Edwards, R., Martinson, S., Washington, J., Revels, R., Wojcicki, J., Crawford, D., Rankin, B., Herron, G., Ceremuga, G., Padrón, G. Bentley, M., Ceremuga, T. Effects of L-theanine on Post Traumatic Stress Disorder Induced Changes in Rat Brain Gene Expression, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
 23. Korkow, N., Jenkins, C., Fulton, L., Brinkley, K., Costello, K., Alford, H., Johnson, D. Effects of the ResQPod® on Pharmacokinetics, Hemodynamics of Vasopressin and Survivability in a Porcine Cardiac Arrest Model, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
 24. Loughren, M. The Pharmacokinetics of Intraosseous Epinephrine During Cardiac Arrest in Swine, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
 25. Onstott, T., Wolfe, J., Ferrara, B., Baldwin, S., Aytes, K., Alleyn, M., Fortner, C., Ceremuga, G., Padrón, G., Bentley, M., Ceremuga, T. Effects of L-Theanine on PTSD-induced Changes in Rat Neurobehavior, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
 26. Passmore, A., Wilson, J., Leger, S., Lannan, J., Bentley, M., Johnson, D. Effects of Intraosseous and Intravenous Administration of Hextend® on Time of Administration and Hemodynamics in a Swine Model, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
 27. Phillips, K., Penaranda, C., Rice, d., Vanderhoek, L., Bentley, M., Johnson, D. Effects of Sternal IO vs IV Hextend on Hemodynamics, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
 28. Ramos-Alarilla, J., Johnson, D. The Effects of a Human Patient Simulator, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
 29. Ramos-Alarilla, J. Bridging the Gap in Nursing Anesthesia: Using a Simulation-Based Curriculum in General Endotracheal Anesthesia as a Link Between Didactic and Clinical, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
 30. Saenz, C., Acuna, A., Giles, K., Budinich, C., Johnson, D. The Effects of Tibial Intraosseous vs. Intravenous Administration of Vasopressin on Return of Spontaneous Circulation and Kinetics in a Cardiac Arrest Porcine

- Model, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
31. Valdivieso, D., Kenner, C., Lucia, A., Lathrop, K., Stailey, O., Bailey, H., Padron, G., Johnson, D. Ceremuga, T. Evaluation of the Anxiolytic and Antidepressant Effects of Asiatic Acid, a Compound from Gotu kola or Centella asiatica, in the Male Sprague-Dawley Rat, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
 32. Westbrook, D., Phelps, D., Bentley, M., Johnson, D. The Effects of Arterial Blood Pressure on Hemorrhage Control when QuikClot Combat Gauze is used in a Porcine Model of Lethal Femoral Injury, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.

E. Poster Presentations:

1. Aitken, J., Iosett, N., Kahl, B., Negron, A., Johnson, D., O'Sullivan, J. Comparative Resuscitative Methods for Venlafaxine Toxicity in a Swine Model, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014. Buonora, J. Immune Response Biomarker Profiling for Traumatic Brain Injury, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014
2. Bates, S., Nukalo, S., Staub, A., Hines, A., Leishman, T., Michel, J., Sikes, D., Gegel, B., Burgert, J., Johnson, D. The Effects of QuikClot Combat Gauze on Hemorrhage Control in the Presence of Hemodilution and Hypothermia, September 15, 2014, Nurse Anesthesia Annual Congress, Orlando, FL.
3. Benham, B. The Effectiveness of Tools Used to Evaluate Successful Critical Decision Making Skills for Applicants to Nursing Graduate Programs: A Systematic Review, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
4. Bentley, M., Shellabarger, P., Persson, T., Bertsch, S., Fanning, M., Galey, P., Robinson, D., Ceremuga, T. Effects of Tetrahydropalmatine (THP) on PTSD-induced Changes in Rat Brain Gene Expression, December 11, 2013, 3rd Annual Academy of Health Sciences Graduate School Research Day, San Antonio, Texas.
5. Brady, J., Bolido, A., Gore, K., King, T., Leal, H., Gallahan, B., Lowery, B., Stevens, K., O'Sullivan, J., Johnson, D. The Effects Vasopressin and Epinephrine on Cardiac Arrest Following Desipramine Overdose in a Porcine Model, September 2014, Nurse Anesthesia Annual Congress, Orlando, FL.
6. Brzuchalski, J., Stone, J., Hernandez, M., Rushton, J., Johnson, D. Effects of the ResQPod on Maximum Concentration and Time to Maximum

- Concentration of Epinephrine in a Porcine Cardiac Arrest Model, September 15, 2014, Nurse Anesthesia Annual Congress, Orlando, FL.
7. Bolido A, Brady J, Gallahan B, Gore K, King T, Leal H, Lowery B, Stevens K, Johnson D, O'Sullivan J. The Effects Vasopressin and Epinephrine on Cardiac Arrest Following Desipramine Overdose in a Porcine Model, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
 8. Buonora, J., Mousseau, M., Latour, L., Diaz-Arrastia, R., Pollard, H., Rizoli, S., Baker, A., Rhind, S., Mueller, G. Development of a Traumatic Brain Injury Assessment Score Using Novel Biomarkers Discovered Through Autoimmune Profiling, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
 9. Buonora, J., Mousseau, M., Latour, L., Diaz-Arrastia, R., Pollard, H., Rizoli, S., Baker, A., Rhind, S., Mueller, G. Development of a Traumatic Brain Injury Assessment Score Using Novel Biomarkers Discovered Through Autoimmune Profiling, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
 10. Buonora, J., Mousseau, M., Latour, L., Diaz-Arrastia, R., Pollard, H., Rizoli, S., Baker, A., Rhind, S., Mueller, G. Development of a Traumatic Brain Injury Assessment Score Using Novel Biomarkers Discovered Through Autoimmune Profiling, September 15, 2014, Nurse Anesthesia Annual Congress, Orlando, FL.
 11. Burgert, J., Gegel, B., Johnson, D. The Pharmacokinetics Of Intravenous, Tibial Intraosseous And Sternal Intraosseous Epinephrine During Cardiopulmonary Resuscitation In A Swine Model Of Cardiac Arrest, Networking World Anesthesia Conference in Vienna, Austria April 30, 2014.
 12. Coyner, J. Doctoral dissertation defense, "Differential expression of phosphorylated mitogen-activated protein kinase (pMAPK) in the lateral amygdala of mice selectively bred for high and low fear" December 11, 2013, 3rd Annual Academy of Health Sciences Graduate School Research Day, San Antonio, Texas.
 13. Coyner, J., McGuire, J., Ursano, R., Parker, C., Palmer, A., Johnson, L. Differential Expression of Phosphorylated Mitogen-Activated Protein Kinase (pMAPK) in the Lateral Amygdala of Mice Selectively Bred for High and Low Fear, September 15, 2014, Nurse Anesthesia Annual Congress, Orlando, FL.
 14. Coyner, J., McGuire, J., Ursano, R., Parker, C., Palmer, A., Johnson, L. Differential Expression of Phosphorylated Mitogen-Activated Protein Kinase (pMAPK) in the Lateral Amygdala of Mice Selectively Bred for High and Low Fear, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.

15. Dial, J., Ard, J., Yourk, T., Burke, E., Paine, C., Gegel, B., Burgert, J., Johnson, D. Effects of Intraosseous and Intravenous Administration of Hextend on Time of Administration and Hemodynamics in a Swine Model, September 15, 2014, Nurse Anesthesia Annual Congress, Orlando, FL.
16. Gore K., Gallahan B., King T., Leal H., Lowery B., Stevens K., Bolido A., Brady J., Johnson AD. The Effects of Epinephrine and Vasopressin on Survival from Cardiac Arrest Following Desipramine Overdose in a Porcine Model, December 11, 2013, 3rd Annual Academy of Health Sciences Graduate School Research Day, San Antonio, Texas.
17. Greiner, S. Using A Delphi Technique To Define Adult Emergence Delirium, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
18. Iosett, N., Kahl, B., Aitken, J., Negron, A., Johnson, D., O'Sullivan, J. Comparative Resuscitative Methods for Venlafaxine Toxicity in a Swine Model, September 15, 2014, Nurse Anesthesia Annual Congress, Orlando, FL.
19. Jenkins, C. An Evidenced-Based Review of Talent Management Implementation Practices, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
20. Johnson D, O'Sullivan J, Bolido A, Brady J, Gallahan B, Gore K, King T, Leal H, Lowery B, Stevens K. (2013) The Effects Vasopressin and Epinephrine on Cardiac Arrest Following Desipramine Overdose in a Porcine Model, Hawaii Association of Nurse Anesthetist (HANA) State Conference, Saturday, April 5, 2014.
21. Johnson, D., Brzuchalski, J., Stone, J., Hernandez, M., Rushton, J. Effects of the ResQPod on Maximum Concentration and Time to Maximum Concentration of Epinephrine in a Porcine Cardiac Arrest Model, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
22. Johnson, D., Bates, S., Nukalo, S., Staub, A., Hines, A., Leishman, T., Michel, J., Sikes, D., Gegel, B., Burgert, J., The Effects of QuikClot Combat Gauze on Hemorrhage Control in the Presence of Hemodilution and Hypothermia, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
23. Kemper, J., Townsend, W., Edwards, R., Martinson, S., Washington, J., Revels, R., Wojcicki, J., Crawford, D., Rankin, B., Herron, G., Ceremuga, G., Padrón, G. Bentley, M., Ceremuga, T. Effects of L-theanine on Post Traumatic Stress Disorder Induced Changes in Rat Brain Gene Expression, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
24. Korkow, N., Jenkins, C., Fulton, L., Brinkley, K., Costello, K., Alford, H., Johnson, D. Effects of the ResQPod® on Pharmacokinetics, Hemodynamics of Vasopressin and Survivability in a Porcine Cardiac Arrest Model, Tri-Service Nursing Research Program Research and

- Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
25. Lucas, L. Effect of Uniform Preoperative Testing on Reduction of Elective Surgery Cancellations, TANA Fall Meeting, Murfreesboro, Tennessee, October 2013.
 26. Leonessa, F., Kovacs, SK., Murphy, E., Pan, H., Kitces, E., Sarkar, S., Magnuson, Gabriel, Martin, E., Parks, S., Swauger, P., Brooks, K., Carlisle, A., Lipsky, R., Buonora, J., Mueller, G. Primary blast: does it play a role in traumatic brain injury? Evidence in rats exposed to explosive-driven blast waves. National Capital Area TBI Research Symposium 2014 March 3-4, 2014. Bethesda, Maryland.
 27. Loughren, M. The Pharmacokinetics of Intraosseous Epinephrine During Cardiac Arrest in Swine, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
 28. Onstott, T., Wolfe, J., Ferrara, B., Baldwin, S., Aytes, K., Alleyn, M., Fortner, C., Ceremuga, G., Padrón, G., Bentley, M., Ceremuga, T. Effects of L-Theanine on PTSD-induced Changes in Rat Neurobehavior, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
 29. Phillips, K., Penaranda, C., Rice, d., Vanderhoek, L., Bentley, M., Johnson, D. Effects of Sternal IO vs IV Hextend on Hemodynamics, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
 30. Ramos-Alarilla, J. Bridging the Gap in Nursing Anesthesia: Using a Simulation-Based Curriculum in General Endotracheal Anesthesia as a Link Between Didactic and Clinical, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
 31. Ramos-Alarilla, J., Johnson, D. The Effects of a Human Patient Simulator, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
 32. Saenz, C., Acuna, A., Giles, K., Budinich, C., Johnson, D. The Effects of Tibial Intraosseous vs. Intravenous Administration of Vasopressin on Return of Spontaneous Circulation and Kinetics in a Cardiac Arrest Porcine Model, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
 33. Townsend, W., Edwards, R., Martinson, S., Washington, J., Revels, R., Wojcicki, J., Crawford, D., Kemper, J., Rankin, B., Herron, G., Ceremuga, G., Padrón, G. Bentley, M., Ceremuga, T. Effects of L-theanine on Post Traumatic Stress Disorder Induced Changes in Rat Brain Gene Expression, September 15, 2014, Nurse Anesthesia Annual Congress, Orlando, FL.
 34. Valdivieso, D., Kenner, C., Lucia, A., Lathrop, K., Stailey, O., Bailey, H., Padron, G., Johnson, D. Ceremuga, T. Evaluation of the Anxiolytic and Antidepressant Effects of Asiatic Acid, a Compound from Gotu kola or Centella asiatica, in the Male Sprague-Dawley Rat, Tri-Service Nursing

Research Program Research and Evidence-based Dissemination Course
San Antonio, Texas, 15-17 September 2014.

35. Westbrook, D., Phelps, D., Bentley, M., Johnson, D. The Effects of Arterial Blood Pressure on Hemorrhage Control when QuikClot Combat Gauze is used in a Porcine Model of Lethal Femoral Injury, Tri-Service Nursing Research Program Research and Evidence-based Dissemination Course San Antonio, Texas, 15-17 September 2014.
36. Wolfe, J., Ferrara, B., Baldwin, S., Onstott, T., Aytes, K., Alleyn, M., Fortner, C., Ceremuga, G., Padrón, G., Bentley, M., Ceremuga, T. Effects of L-Theanine on PTSD-induced Changes in Rat Neurobehavior, September 2014, Nurse Anesthesia Annual Congress, Orlando, FL.

F. Grant Activity: (Total Funding: \$4,252,720)

1. Burgert, J., Johnson, D., Gegel, B. Effects of Intraosseous Epinephrine on Resuscitation and Survival in a Swine Model of Cardiac Arrest, AANA Foundation Fellowship Grant (\$40,000).
2. 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).
3. Ceremuga, T. Evaluation of the Anxiolytic Effects of Herbal Supplements and Possible Interactions with Midazolam in the Laboratory Rat, (2012) AANA Foundation (\$16,978).
4. Ceremuga, T., Buonora, J., Valdivieso, D., Criss, J., Krum, P. Pregabalin & L-Theanine Prophylactic Effects on PTSD Behavior and Gene Expression, (2014-present) TriService Nursing Research Program, (\$506,000.00).
5. Dr. Tomás Eduardo Ceremuga completed final TSNRP grant report, "Effects of Herbal Supplements on PTSD-induced changes in Rat Behavior & Brain Gene Expression."
6. Dunnihoo, M. Measuring Emergence Delirium: An Emerging Problem, (2013) TriService Nursing Research (\$300,000).
7. Dr. Don Johnson completed interim grant report on, "Effects of Intraosseous vs. Intravenous Administration of Vasopressin in Cardiac Arrest Model in Swine."
8. Dr. Don Johnson completed final grant report, "Effects of Lipid Rescue on Survival in an Overdose Swine Model"
9. Dr. Don Johnson completed final report for University Health Science Center at San Antonio, "Effects of Hemostatic Agents in A Porcine Hemorrhage Control Model."
10. 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).
11. 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).

12. Johnson, D., Loughren, M; Burgert, J; Gegel, B. Effects of Different Routes of Administration of Vasopressin, (2013-present) TriService Nursing Research Program (\$500,000).
13. Johnson, D., Schlicher, M. Efficacy of Nano Germicidal Light Therapy on Wound Related Infections, TriService Nursing Research Program (\$95,000).
14. Johnson, D., Loughren, M; Burgert, J; Gegel, B. Effects of Different Routes of Administration of Vasopressin in a Hypovolemic Model, (2013-present) TriService Nursing Research Program (N13-P10) awarded (\$240,638.00).
15. Loughren, M; Johnson, D. Burgert, J; Gegel, B. Pharmacokinetics of Intraosseous Epinephrine During Cardiac Arrest in Swine, (2011-present) TriService Nursing Research Program (\$481,000).
16. MAJ John Buonora completed final TSNRP grant report Study N12-P12, "Development of a Traumatic Brain Injury Assessment Score Using Novel Biomarkers Discovered Through Autoimmune Profiling."
17. LTC O'Sullivan (PI), LTC Loughren, Johnson, Don, "Comparative Resuscitative Measures for Drug Toxicities Utilizing Lipid emulsions" TriService Nursing Research, 2010-present (\$500,000).
18. O'Sullivan, J., Loughren, M., Johnson, D., Comparative Resuscitative Measures for Drug Toxicities Utilizing Lipid emulsions, (2010-present) Extension, TriService Nursing Research, (\$125,000).
19. Todd, B., Christianson, K., AFAT (Air Force Airway Trainer) funded grant (\$315,000).

G. Invited Lectures:

1. Dr. Don Johnson has been selected to be the subject matter expert speaker at a FDA sponsored conference related to hemostatic agents, September 3-5th in Washington DC.

H. Academic or Research Awards:

1. Best Podium Presentation: Buonora, J. Development of a Traumatic Brain Injury Assessment Score Using Novel Biomarkers Discovered Through Autoimmune Profiling, December 11, 2013, 3rd Annual Academy of Health Sciences Graduate School Research Day, San Antonio, Texas.
2. Best Poster Presentation: Gore K., Gallahan B., King T., Leal H., Lowery B., Stevens K., Bolido A., Brady J., Johnson AD. The Effects of Epinephrine and Vasopressin on Survival from Cardiac Arrest Following Desipramine Overdose in a Porcine Model, December 11, 2013, 3rd Annual Academy of Health Sciences Graduate School Research Day, San Antonio, Texas.
3. Order of Military Medical Merit awarded to LTC Jenkins, December 2013.
4. Johnson, D. Dial, J Ard, J, Yourk, T. Burke, E. Paine, C Gegel, B, Burgert, J, "Effects of Intraosseous and Intravenous Administration of Hextend on Time of Administration and Hemodynamics in a Swine Model" featured article on line, Journal of Special Operations Medicine.

5. Seven research presentations at AANA Congress awarded \$1000 (total: \$7000) by the AANA Foundation.
6. Order of Military Medical Merit awarded to MAJ(P) Budinich, June 2014.
7. The AANA Foundation selected 10 USAGPAN Researchers, both SRNAs and Faculty, to be highlighted for their scientific accomplishments in the upcoming AANA Foundation, "Discoveries of Distinction." These spotlights highlight outstanding, timely and innovative research on a wide range of issues of importance to CRNA professionals. The following researchers listed below will be published in the *AANA NewsBulletin* and on their website:
 - a. LT Nicole B. Iosett, Comparative Resuscitative Methods for Venlafaxine Toxicity
 - b. MAJ James Dial: Effects of Intraosseous and Intravenous Administration of Hextend on Time of Administration and Hemodynamics in a Swine Model
 - c. CPT Sheri Bates: The Effects of QuikClot Combat Gauze in Hemorrhage Control in the Presence of Hemodilution and Hypothermia
 - d. CPT Jason Brzuchalski: Effects of the ResQPod on Maximum Concentration and Time to Maximum Concentration of Epinephrine in a Porcine Cardiac Arrest Model
 - e. Ms. Carrie Cromwell: The Effects of QuikClot Combat Gauze, Fluid Resuscitation, and Movement on Hemorrhage Control in a Porcine Model
 - f. CPT John Mozer: The Effects of Intraosseous Transfusion of Whole Blood on Hemolysis and Transfusion Time in a Swine Model of Hemorrhagic Shock: A Pilot Study
 - g. CPT Robert Edwards: Effects of L-theanine on Post Traumatic Stress Disorder Induced Changes in Rat Brain Gene Expression
 - h. LTC Jennifer Coyner: Differential Expression of Phosphorylated Mitogen-Activated Protein Kinase (pMAPK) in the Lateral Amygdala of Mice Selectively Bred for High and Low Fear
 - i. Dr. Tomás Eduardo Ceremuga: AANA Foundation donor spotlight
 - j. MAJ John E. Buonora: Development of a Traumatic Brain Injury Assessment Score Using Novel Biomarkers Discovered Through Autoimmune Profiling
8. Wolfe, J., Ferrara, B., Baldwin, S., Onstott, T., Aytes, K., Alleyn, M., Fortner, C., Ceremuga, G., Padrón, G., Bentley, M., Ceremuga, T. Effects of L-Theanine on PTSD-induced Changes in Rat Neurobehavior, has been accepted as a finalist for the 2014 "State of the Science" General Poster Session Contest, September 2014, Nurse Anesthesia Annual Congress, Orlando, FL.
9. Brady, J., Bolido, A., Gore, K., King, T., Leal, H., Gallahan, B., Lowery, B., Stevens, K., O'Sullivan, J., Johnson, D. The Effects Vasopressin and Epinephrine on Cardiac Arrest Following Desipramine Overdose in a Porcine Model, has been accepted as a finalist for the 2014 "State of the

- Science” General Poster Session Contest, September 2014, Nurse Anesthesia Annual Congress, Orlando, FL.
10. Dr. Don Johnson is the recipient of the Prestigious AMEDD Center & School Dean's Special Act or Service Award for his excellence in scientific investigation.
 11. CPT Nanette Korkow was recognized as the Dr. Don Johnson Outstanding Researcher Award for the Class of 2013.
 12. Dr. Don Johnson is recognized as a featured researcher in the Geneva Annual Report for 20 years of service with the Geneva Foundation.
 13. AANA Foundation Board of Trustees has awarded the Program Director’s Outstanding Student Researcher Award to the following individuals for their research project, "Effects of Intraosseous and Intravenous Administration of Hextend on Time of Administration and Hemodynamics in a Swine Model," MAJ Dial, CPT Yourk, CPT Burke, and CPT Ard all at CRDAMC, Fort Hood.
 14. LTC Constance Jenkins, LTC Aaron Elliott, and Ms. Maddie Dunnihoo have been awarded the esteemed 9A Proficiency Designator for professional excellence in the Army Medical Department (AMEDD). They earned this honor because they are eminently qualified to chair a department, division or service, or have attained full professional status and national prominence in their field, Nursing Anesthesia.

V. Interservice Physician Assistant Program

A. Publications:

1. Journal of the American Academy of Physician Assistants
The prevalence of depression and burnout symptoms among Air Force Family Medicine Providers: *effects of professional designation, gender, length of time practiced and age*. Varner, D.F., PhD, PA-C and Foutch, B.K., OD, PhD
2. Preparing submission for--Journal of the American Academy of Physician Assistants Stigma To Accessing Mental Health Services Perceived By Family Health Practitioners *To determine and compare the prevalence of perceived stigma accessing mental health services among active duty Air Force family health practitioners (MD, DO, PA, NP) in relation to rank and gender* Ho, R.A., PhD, Gomez, F., PhD, Roberts, P., PhD and Varner, D.F., PhD

B. Platform Presentations:

1. Annual IPAP Physician Assistant Refresher/Recertification Resident Course broadcast by AMEDD (Video Education Services, Distributed Learning Division, DDB, Rapid Media Deployment Section) designed to assist Physician Assistants, maintain their PA licensure as required by the National Commission on Certification of Physician Assistants. We record that training course and present it, as a satellite broadcast via the VTT TNET, Defense Education Training Network, National Guard, VA Knowledge

Network, and various other bridges as needed. The participants are Army, Air Force, Navy, DOD, VA, Homeland Security (Coast Guard) Physician Assistants as well as other healthcare providers. Registered 1000 participants, representing a TDY cost avoidance of \$2,150,000 (at rate of \$2150/person).

C. Poster Presentations:

1. N/A.

D. Grant Activity:

1. Tri-service Research Laboratory Observational Study of Human Electrical Muscle Incapacitation and Cardiac Effects Lt Col (Dr.) John A. Gibbons, Maj Brian B. Lupfer, Dr. Mark E. Peele, Maj Dennis R. Turriff, Maj Derrick F. Varner, PhD.
2. On-going research project as Primary Investigator at SAMMC: Maintenance of Ultrasound Skill Training (MUST) Study: Is Self-directed Training Equivalent to Traditional Lecture-based Methods in Learning and Retaining Bedside Ultrasound” - actively enrolling subjects and collecting data with a team of AIs from the SAMMC Emergency Department, MAJ Sharon Rosser.

E. Invited Lectures:

1. COL Gross taught at the Sexual Assault Medical Forensic Exam Course.
2. Dr. Candace Castro taught the Advanced Trauma Life Support Course twice for DMRTI.
3. Dr. Candice Castro taught Advanced Cardiac Life Support SAMMC (BAMC) on four separate occasions.
4. Maj Derrick Varner taught Introduction to Ultrasound Modality Workshop at the Air Force Physician Assistant (AFPA) Refresher Course
5. Mr. Robert Cole taught COPD twice this past year the Respiratory Therapy Technician (RPT) Course
6. Mr. Robert Cole taught COPD at the (AFPA) Refresher Conference.
7. MAJ Sharon Rosser was the lead instructor for Ultrasound Workshop at AFPA.
8. MAJ Sharon Rosser was a guest lecturer at the Physician Assistant Research Course “Literature Search Basics” & “Research Variables & Data Types”
9. MAJ Sharon Rosser was a guest lecturer at the 2014 SOMA Scientific Assembly and Exhibition - "Extended Focused Assessment with Sonography in Trauma" Lecture and Hands-On Workshop.
10. LT Angie Hudgins presented an EKG lecture and Hands-On EKG Workshop at the AFPA Refresher Course.

F. Academic or Research Awards:

1. N/A

VI. US Military Graduate Program in Nutrition

A. Publications:

1. Arsenault JE, Singleton MC, Funderburk LK. Use of the Go-for-Green Nutrition Labeling System in Military Dining Facilities Is Associated with Lower Fat Intake. *J Acad Nutr Diet*. 2014 Feb 5. pii: S2212-2672(13)01795-4.
2. Cole RE, Rogers RL, Clark HL, Sigrist LD. Incorporation of Learning Styles into the Graduate Program in Nutrition Curriculum. *US Army Med Dep J*. Jan-Mar 2014:14-20.
3. Eckard C, Cole RE, Lockwood J, Torres D, Williams C, Harrison S. Prospective Histopathologic Evaluation of Lifestyle Modification in Non-Alcoholic Fatty Liver Disease (NAFLD): A Randomized Trial. *Therap Adv Gastroenterol*. 2013;6(4):249-259. doi: 10.1177/ 1756283X13484078.
4. Edmunds CE, Brody RA, Parrot JS, Stankorb SM, Heyland DK. The effects of different IV fat emulsions on clinical outcomes in critically ill patients. *Crit Care Med*. 2013 Dec 17;42(5).Funderburk LK, Arsenault JE. Prevalence of Abnormal Serum Lipids Among Overweight and Obese Soldiers. *Mil Med*. Oct 2013;178(10):1137-1140.
5. Oliver JM, Jagim AR, Sanchez AC, Mardock MA, Kelly KA, Meredith HJ, Smith JL, Greenwood M, Parker JL, Riechman SE, Fluckey JD, Crouse SF, Kreider RB. Greater Gains in Strength and Power with Intra-set Rest Intervals in Hypertrophic Training. *JSCR* 2013 Nov;27(11):3116-31.
6. Robins, K, Stankorb SM, Salgueiro M. Energy in acute posttraumatic amputation: comparison of four methods for assessment. *Nutr Clin Pract*. 2013 Dec;28(6):756-65. Doi: 10.1177/0884533613507605.
7. Stankorb SM, Ramsey C, Clark H, Osgood T. Provision of Nutrition Support Therapies in the Recent Iraq and Afghanistan Conflicts. *Nutr Clin Pract*. 2014 Jul.

B. Publications in Review / Press:

1. Eckard C, Pruziner A, Sanchez A, Andrews A. Metabolic and body composition changes in the first year following traumatic amputations. *J Rehab Res Dev*. In Review (Apr 14).

C. Platform Presentations:

1. Clark HL, Cole RE, Smith M, Heileson J, DeMay J. *Assessing Motivation for Eating and Intuitive Eating in Military Service Members*. Dec 2013. Presented at the AHS Graduate School Research Day at Joint Base San Antonio – Fort Sam Houston, TX.
2. Cole RE, Roger RL, Clark HL, Sigrist LD. *Incorporation of Learning Styles in the US Military Graduate Program in Nutrition*. Oct 2013. Presented at the Academy of Nutrition & Dietetics Food & Nutrition Conference & Expo, Houston, TX.
3. Cole RE, Trust II MC, Cabrera JL. *Adolescent Six-Month Weight Maintenance Efforts Following Daily Sibutramine Cessation*. Oct 2013.

Presented at the Academy of Nutrition & Dietetics Food & Nutrition Conference & Expo, Houston, TX.

D. Poster Presentations:

1. Craft MR, Inacio L, Stankorb S, Salgueiro M. The Effect of Nutrition Education on Nutrition Knowledge, Behaviors, and Attitudes in Battlefield Airmen. Dec 2013. Presented at the AHS Graduate School Research Day at Joint Base San Antonio – Fort Sam Houston, TX.
2. Funderburk LK, Arsenault JE. *Abnormal Serum Lipids Among Overweight and Obese Soldiers*. Dec 2013. Presented at the AHS Graduate School Research Day at Joint Base San Antonio – Fort Sam Houston, TX.
3. Piche B, Stankorb S, Salgueiro M. *Attitudes, Beliefs, and Behaviors of Active Duty Soldiers Attending the ARMY MOVE! Weight Management Program*. Dec 2013. Presented at the AHS Graduate School Research Day at Joint Base San Antonio – Fort Sam Houston, TX.
4. Steiner A, Stankorb S, Salgueiro M. *Knowledge, Attitudes and Usage of International dietetics and Nutrition Terminology (IDNT) Among MEDCOM Registered Dietitians*. Dec 2013. Presented at the AHS Graduate School Research Day at Joint Base San Antonio – Fort Sam Houston, TX.
5. Stote KS, Carrico P, Cole RE. *Assessment of Eating Behaviors and Dietary Intake in Normal-Weight, Overweight and Obese Adults*. Oct 2013. Presented at the Academy of Nutrition & Dietetics Food & Nutrition Conference & Expo, Houston, TX.

E. Grant Activity: (includes all studies currently funded, newly funded, or in review)

1. Cole RE, Kieffer A, Stote K, Madanat H. Title: “My Body Knows When” Intuitive Eating Program – A Comparison of Face-to-Face and Telehealth Delivery. Sackler Institute of Nutrition. Funding#: In Review. Specific Aims: 1) Assess the effectiveness of both the face-to-face and the electronic version of the *MBKW* intuitive eating weight management program. 2) To shift participant motivation for eating (MFE) towards intuitive eating (IE) behaviors to foster long-term weight loss, prevent weight regain and improve nutrition-related health outcomes. 3) Determine if the electronic telehealth version of the *MBKW* is feasible to implement, improves patient satisfaction and accessibility to nutrition and weight management assistance. Notified Feb 2014; not chosen.
2. Meyer, SA, Cole, RE, Madanat H, Lumpkin L. Title: "Mommy, My Body Knows When" Intuitive Eating, Physical Activity and Sleep intervention for pregnant women - a pilot infant overweight/obesity prevention study. NIH. Funding#: To submit in June 2014. Specific Aims: 1. Evaluate (pilot) the use of a combined “My Body Knows When” intuitive eating, adult and infant nutrition, physical activity, and sleep curriculum with women in their third trimester of pregnancy and with a pre-pregnancy history of overweight or obesity (BMI >25); 2. Evaluate infant feeding, physical activity, and sleep practice maternal intention pre-intervention and actual practices post-

intervention; 3. Evaluate the feasibility of the prenatal tailored “My Body Knows When” program. June 2014 submission.

F. Invited Lectures:

1. Clark HL. Nutrition in Critical Care. In: Critical Care Nursing Course; 2014 Feb; WHASC, San Antonio, TX.
2. Clark HL. Nutrition Critical Care: Air Force Nursing Program; 2014 Jan; Lackland AFB, San Antonio, TX.
3. Clark HL. Understanding the Basics of Medical Nutrition Therapy. In: DScOT Program; 2014 Apr; San Antonio, TX.
4. Clark HL. Nutrition Risk Factors and Bone and Skin building nutrients. In: Orthopedic Manual Physical Therapy Program; 2014 May; San Antonio, TX.
5. Cole RE. DoD Specific Human Subjects Research & Protections. In: MHA Program; 2014 Jan; San Antonio, TX.
6. Cole RE. Obesity and Weight Management. In: IPAP Program; 2014 Feb; San Antonio, TX.
7. Crombie A. Nutrition in Disaster Relief; In: Military Medical Humanitarian Assistance Course; 2014 Aug; San Antonio, TX.
8. Daigle K. Nutrition & Performance. In: Austin Academy of Nutrition and Dietetics Chapter; 2013 Nov; Austin, TX.
9. Daigle K. Dietary Supplements for Military Physician Assistants. In: IPAP Course; 2013 Nov, 2014 Aug; San Antonio, TX.
10. Daigle K. Body Composition and Exercise Physiology. In: DPT Course; 2014 Jan; San Antonio, TX.
11. Daigle K. Body Composition Practical Exercise. In: DPT Course; 2014 Jan and Feb; San Antonio, TX.
12. Daigle K. Performance Nutrition for Military Physician Assistants. In: IPAP Course; 10 Feb; San Antonio, TX.
13. Daigle K. Exercise Testing Practical Exercise. In: DPT Course; 2014 Mar; San Antonio, TX.
14. Daigle K. Performance Nutrition for Deploying Physical Therapists. In: DPT Course; 2014 May; San Antonio, TX.
15. Daigle K. Introduction to Nutrition for Physical Therapists. In: DScPT Course; 2014 May; San Antonio, TX.
16. Daigle K. Fueling and Hydration for Physically Demanding Events. In: DScPT Course; 2014 Jun; San Antonio, TX.
17. Daigle K. Dietary Supplements for Physical Therapists. In: DPT Course; 2014 Jun; San Antonio, TX.
18. Daigle K. Body Composition for an Active Population and Athletes. In: DScPT Course; 2014 Jun; San Antonio, TX.
19. Daigle K. Performance Nutrition for Nutrition Care Specialists. In: 68M Course; 2014 Jul; San Antonio, TX.
20. Daigle K. Dietary Supplements for Physician Assistants. In: IPAP Course; 2014 Aug; San Antonio, TX

21. Meyer S. What it means to be an Army RD and the Performance Triad. In: Olympia Area Dietetic Association; 2014 May; Olympia, WA.
22. Story K. Nutrition in Disaster Relief. In: IPAP Course; 2013 Oct; San Antonio, TX.
23. Story K. Nutrition in Disaster Relief. In: IPAP Course; 2014 Jan, Feb & Aug; San Antonio, TX.
24. Story K. Nutrition and Disaster Relief. In: Advanced Leader Course for 68M. 2014 Feb; San Antonio, TX.
25. Story K. Nutrition in Disaster Relief; In: Military Medical Humanitarian Assistance Course; 2014 Feb; San Antonio, TX.
26. Story K. 6AF5 (Principles of Preventive Medicine Course). 2014 April & Sep; San Antonio, TX.

VII. Army-Master of Social Work Program

A. Publications:

1. Adams, B (2014). Just show up: Building therapeutic relationships in combat zones, OEF Afghanistan 2010-2013. Reflections: Narratives of Professional Helping, 19:2, 28-37.
2. Arincorayan, D., Applewhite, L et al (2014). The Psychosocial Challenges of Conducting Counterinsurgency Operations. AMEDD Journal Oct-Dec 2014
3. Freeman, D. (2015). Gatekeeping in Human Services Programs. In J.E. Coll & E.L. Weiss (Eds.), Student veterans in human service programs. Chicago, IL: Lyceum.
4. Fish, T.L., Harrington, D., Bellin, M.H., Shaw, T.V.(2014) The Effect of Deployment, Distress, and Perceived Social Support on Army Spouses' Weight Status. AMEDD Journal Oct-Dec
5. Freeman, D. (2015). Archetypal identification: An alternative for spiritual well-being assessment. Journal of Religion & Spirituality in Social Work, 34:2.
6. Howard, R. (2014). The Army Social Work Program: Training Today's Uniformed Social Workers. AMEDD Journal
7. Humphries, J. and Howard, R. (2014). Developing Effective Leadership Competencies in Military Social Work. AMEDD Journal, Oct-Dec 2014

B. Platform Presentations:

1. Freeman, D. Using family circles to promote understanding of family connections. North American Association of Christians in Social Work 63rd Annual Convention, Atlanta, GA, October 19, 2013.