

CURRICULUM VITAE

Name: Richard Allen Shaffer, Ph.D., MPH

Date of Birth: February 21, 1959, Lakewood, OH

Education:

1991 Ph.D., Epidemiology
University of South Carolina
School of Public Health
Columbia, S.C.

1983 MPH, Epidemiology
University of South Carolina
School of Public Health
Columbia, S.C.

1981 B. A., Biology/Management
Jacksonville University
Jacksonville, FL.

Professional Activities:

2005 – Present Co-Director
Joint Doctoral Program in Epidemiology
San Diego State University/
University of California San Diego
San Diego, CA

2001 – Present Executive Director,
U.S. Department of Defense HIV/AIDS Prevention Program
San Diego, CA

2000 – Present Professor of Public Health
Graduate School of Public Health
San Diego State University
San Diego, CA

2000-2005 Coordinator
Joint Doctoral Program in Epidemiology
San Diego State University/
University of California San Diego
San Diego, CA

2000 – 2001 Head, Operational Readiness Research Program
Naval Health Research Center
San Diego, CA

1996 – 2000 Instructor, Epidemiology
Graduate School of Public Health
San Diego State University
San Diego, CA

1997 – 1999	Head, Division of Clinical Epidemiology Naval Health Research Center San Diego, CA
1992 – 1997	Division of Clinical Epidemiology Naval Health Research Center San Diego, CA
1991 – 1992	Reviewer, Epidemiology Section American College of Sports Medicine Hagerstown, MD
1991 – 1992	Head, Branch Medical Clinic Naval Medical Center Bethesda, MD
1986 – 1989	Public Health Service Officer, Division of Quarantine Centers for Disease Control Atlanta, GA
1986 – 1988	Head, Occupational Health and Preventive Medicine Department U.S. Naval Hospital Rota, Spain
1983 – 1986	Environmental Health Officer Navy Environmental Health Center Norfolk, VA
1985 – 1985	Preventive Medicine Officer, Cholera Epidemic Relief Effort Somalia, Africa
1983 – 1983	Assistant Biostatistician, South Carolina Dental Health Survey Columbia, S.C.

Teaching Effectiveness:

1999-2000	Golden Apple Award Teacher of the Year Graduate School of Public Health
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Publications in Refereed Journals:

1. Harbertson, J., Hale. B., Tran, B., Thomas.A, Grillo, M., Jacobs, M., McAnany, J., Shaffer, R., Subsequent HIV negative test result using rapid diagnostic testing algorithms among seven sub-Saharan African military populations. PLOS ONE, (12)7, 2017
2. Shadyab, A., Macera, C.A., Shaffer. R.A., et.al. Associations of Accelerometer-Measured and Self-Reported Sedentary Time with Leukocyte Telomere Length in Older Women, American Journal of Epidemiology, 185(3), 2017
3. Radin, J.M., Shaffer, R.A., Lindsay, S.P., Araneta, M.R.G., Raman, R., Fowler, J.H., International chicken trade and increased risk for introducing or reintroducing highly pathogenic avian influenza A (H5N1) to uninfected countries. Infectious Disease Modelling, vol 2., 2017

4. Shadyab, A.H., Macera, C.A., Shaffer, R.A., et al. Ages at menarche and menopause and reproductive lifespan as predictors of exceptional longevity in women: the Women's Health Initiative. Menopause, 24/1, 2017
5. Grillo, M.P., Sloan, M., Wankie, C., Woodland, K., Reader, E., Porter, B., Macera, C.A., and Shaffer, R.A., Prevention Interventions for People Living with HIV in Military Settings, Current HIV Research, 15/2, 2017
6. Djibo, D.A., Sahr, F., McCutchan, J.A., Jain, S., Ararneta, M.R.G., Brodine, S.K., and Shaffer, R.A., Prevalence and Risk Factors for Human Immunodeficiency Virus (HIV) and Syphilis Infections Among Military Personnel in Sierra Leone, Current HIV Research, 15/2, 2017
7. Grillo, M.P., Sloan, M., Wankie, C., Woodland, K., Reader, E., Porter, B., Shaffer, R., Macera, C.A., Bulterys, M., Global HIV Prevention, Testing and Counseling in Military Populations, Current HIV Research, 15/2, 2017
8. Macera, C.A., Ito, S.I., Hale, B.R., Shaffer, R.A., Thomas, A.G., and Dickieson, J., Conducting HIV Seroprevalence and Behavioral Epidemiology Risk Survey (SABERS) Among Partner military Populations, Current HIV Research, 15/2, 2017
9. Shadyab, A.H., Hale, B.R., and Shaffer, R.A., HIV/AIDS Securitization: Outcomes and Current Challenges, Current HIV Research, 15/2, 2017
10. Grillo, M., Woodland, K., Talavera, G., Shaffer, R., Brodine, S., Short-Term Transfer of Knowledge Assessment in the Military International HIV Training Program, Current HIV Research, 15/3, 2017
11. Anne Goldzier Thomas · Michael P Grillo · Djeneba Audrey Djibo · Braden Hale · Richard A Shaffer, Military HIV Policy Assessment in Sub-Saharan Africa, Military medicine, Jul 2014
12. Daniel W. Trone · Daniel J. Cipriani · Rema Raman · Debra L. Wingard · Richard A. Shaffer · Carol A. Macera, Self-Reported Smoking and Musculoskeletal Overuse Injury Among Male and Female US Marine Corps Recruits, Military medicine, July 2014
13. M C S Inacio · D Kritz-Silverstein · R Raman · CA Macera · J F Nichols · RA Shaffer · D C Fithian, The risk of surgical site infection and re-admission in obese patients undergoing total joint replacement who lose weight before surgery and keep it off post-operatively, Bone and Joint Journal, May 2014
14. Maria Cs Inacio · Donna Kritz Silverstein · Rema Raman · Caroline A Macera · Jeanne F Nichols · Richard A Shaffer · Donald Fithian, Weight Patterns Before and After Total Joint Arthroplasty and Characteristics Associated with Weight Change, The Permanente journal Mar 2014
15. Bonnie Robin Tran · Anne Goldzier Thomas · Florin Vaida · Mooketsi Ditsela · Robert Phetogo · David Kelapile · Christina Chambers · Richard Haubrich · Richard Shaffer, Comparisons of Reported Sexual Behaviors From a Retrospective Survey Versus a Prospective Diary in the Botswana Defence Force, AIDS education and prevention, Dec 2013
16. Bonnie Robin Tran · Anne Goldzier Thomas · Florin Vaida · Mooketsi Ditsela · Robert Phetogo · David Kelapile · Richard Haubrich · Christina Chambers · Richard Shaffer An intervention study examining the effects of condom wrapper graphics and scent on condom use in the Botswana Defence Force, AIDS Care, Nov 2013
17. Maria C S Inacio · Donna Kritz-Silverstein · Rema Raman · Caroline A Macera · Jeanne F Nichols · Richard A Shaffer · Donald C Fithian, The Impact of Pre-Operative Weight Loss on Incidence of Surgical Site Infection and Readmission Rates After Total Joint Arthroplasty, The Journal of arthroplasty Sep 2013

18. Bonnie Robin Tran · Anne Goldzier Thomas · Mooketsi Ditsela · Florin Vaida · Robert Phetogo · David Kelapile · Christina Chambers · Richard Haubrich · Richard Shaffer. Condom use behaviors and correlates of use in the Botswana Defence Force,. International Journal of STD & AIDS. Jul 2013
19. Ericha G Anthony · Erin Richard · Michael S Lipkowitz · Scott T Kelley · John E Alcaraz · Richard A Shaffer · Vibha Bhatnagar. Association of phosphodiesterase 4 polymorphism (rs702553) with blood pressure in the African American Study of Kidney Disease and Hypertension Genomics Study.· Pharmacogenetics and Genomics. Jun 2013.
20. Judith Harbertson · Michael Grillo · Eugene Zimulinda · Charles Murego · Terry Cronan · Susanne May · Stephanie Brodine · Marcellin Sebagabo · Maria Rosario G Araneta · Richard Shaffer. Prevalence of PTSD and depression, and associated sexual risk factors, among male Rwanda Defense Forces military personnel · Tropical Medicine & International Health May 2013
21. Susan L Eskridge · Caroline A Macera · Michael R Galarneau · Troy L Holbrook · Susan I Woodruff · Andrew J Macgregor · Deborah J Morton · Richard A Shaffer. Combat blast injuries: Injury severity and posttraumatic stress disorder interaction on career outcomes in male service members · The Journal of Rehabilitation Research and Development. Mar 2013
22. Susan L Eskridge · Caroline A Macera · Michael R Galarneau · Troy L Holbrook · Susan I Woodruff · Andrew J Macgregor · Deborah J Morton · Richard A Shaffer. Influence of Combat Blast-Related Mild Traumatic Brain Injury Acute Symptoms on Mental Health and Service Discharge Outcomes.· Journal of neurotrauma Mar 2013 ·
23. Trone, Daniel W.; Cipriani, Daniel J.; Raman, Rema; Wingard, Deborah L.; Shaffer, Richard A.; Macera, Caroline A. The Association of Self-Reported Measures With Poor Training Outcomes Among Male and Female U.S. Navy Recruits, Military Medicine, Volume 178, Number 1, January 2013 , pp. 43-49(7)
24. Harbertson, J., Grillo, M., Zimulinda, E., Murego, C., Brodine, S., May, S., Sebagado, M., Araneta, M.R., Cronan, T., Shaffer, R., HIV Seroprevalence, Associated Risk Behavior, and Alcohol Use Among Male Rwanda Defense Forces Militart Personnel, AIDS Behavior. DOI 10.1007/s 10461, pgs 12 October 2012
25. MacGregor, Andrew J; Shaffer, Richard A.; Wade, Amber L; Galarneau, Micheal R; Raman, Rema; Baker, Dewleen G; Lindsay, Suzanne P; Golomb, Beatrice A; and Corson, Karen S. Prevalence and Psychological Correlates of Traumatic Brain Injury in Operation Iraqi Freedom. Journal of Head Trauma Rehabilitation. 2010 Jan-Feb;25(1):1-8.
26. Selected static anatomic measures predict overuse injuries is female recruits. Rauh MJ, Macera CA, Trone DW, Reis JP, Shaffer RA. Mil Med. 2010 May;175(5):329-35
27. MacGregor, Andrew J; Corson, Karen S; Shaffer, Richard A; Wade, Amber L; Galarneau, Micheal R; Raman, Rema; Baker, Dewleen G; Lindsay, Suzanne P; Golomb, Beatrice A. Injury Specific Predictors of Posttraumatic Stress Disorder. Journal of Trauma. 2009 Sep;40(9):1004-10
28. MacGregor, Andrew J; Shaffer, Richard A.; Wade, Amber L; Galarneau, Michael; Raman, Rema; Lindsay, Suzanne P; Golomb, Beatrice A; Corson, Karen; Psychological Outcomes of Battle and Nonbattle Injury Among Operation Iraqi Freedom Veterans: Results From the Navy-Marine Corps Combat Trauma Registry. Military Medicine. 174, 3:224, 2009
29. Suchindran, Sunil; Vana, Alicia M.; Shaffer, Richard A.; Alcaraz, John E.; McCarthy, Jeanette J. Racial differences in the interaction between family history and risk factors associated with diabetes in the National Health and Nutritional Examination Survey, 1999-2004, 2009. Genetics in Medicine. 11(7):542-547.

30. Schmied, Emily; Rauh, Mitchell FACSM; Macera, Carol FACSM; Han, Peggy; Trone, Daniel; Shaffer, Richard. Gender Differences In Preparatory Exercise Training Among Marine Recruits: 1548: Board #150 May 27 11:00 AM - 12:30 PM, 2009. Medicine & Science in Sports & Exercise, 41(5) (Supplement 1):49.
31. Rauh, Mitchell J. FACSM; Macera, Caroline A. FACSM; Schmied, Emily A.; Han, Peggy P.; Trone, Daniel W.; Shaffer, Richard A. Prevalence and Correlates of Menstrual Irregularity Among Female Marine Corps Recruits: 1516: Board #63 May 28 3:30 PM - 5:00 PM, 2008. Medicine & Science in Sports & Exercise, 40(5) (Supplement 1):S232.
32. Rauh, Mitchell J., Macera, Caroline A., Trone, Daniel W., Shaffer, Richard A., Brodine, Stephanie K., Epidemiology of Stress Fracture and Lower-Extremity Overuse Injury in Female Recruits, 2006. Medicine and Science in Sports and Exercise, Vol 38, No. 9, 15-18.
33. Shaffer, Richard A., Rauh, Mitchell J., Brodine, Stephanie K., Trone, Daniel W., Macera, Caroline A., Predictors of Stress Fracture Susceptibility in Young Female Recruits, 2006. The American Journal of Sports Medicine, Vol. 34, No. 1.
34. Boyer, Cherrie B., Shafer, Mary-Ann, Shaffer, Richard A., Brodine, Stephanie K., Pollack, Lance M., Betsinger, Kelli, Chang, Jason Y., Kraft, Heidi S., Schachter, Julius, Evaluation of a Cognitive-Behavioral, Group, Randomized Controlled Intervention Trial to Prevent Sexually Transmitted Infections and Unintended Pregnancies in Young Women, 2005. Preventive Medicine, 40, 420-431.
35. Riley, Donna J., Wingard, Deborah, Morton, Deborah, Nichols, Jeanne, Ji, Ming, Shaffer, Richard, Macera, Carol, Use of Self-Assessed Fitness and Exercise Parameters to Predict Objective Fitness, 2005. Medicine and Science in Sports and Exercise, Vol 37, No 5, 837-841.
36. Bakhireva, L., Abebe, Y., Larson, G., Boyer, C., Brodine, S., Kraft, H., Shaffer, R., HIV/AIDS Knowledge and Risk Factors in Ethiopia Military Personnel, 2004. Military Medicine, Vol. 169.
37. Booth-Kewley, S., Shaffer, R. A., Mingawa, R. Y., Brodine, Stephanie, S., Effectiveness of Two Versions of a Sexually Transmitted Diseases/Human Immunodeficiency Virus Prevention Program, 2002. Military Medicine, Vol 167, No. 3, 254 – 259.
38. Booth-Kewley, S., Mingawa, R. Y., Shaffer, R. A., Brodine, S. K., A Behavioral Intervention to Prevent STD's/HIV in a Marine Corps Sample, 2002. Military Medicine, Vol. 167, No. 2.
39. Shafer, M. A., Boyer, C. B., Shaffer, R. A., Schachter, J. Stanley, I. I., Brodine, S. K., Correlates of STD's in a Young Male Deployed Military Population, 2002. Military Medicine, Vol 167, No 6, 496-500.
40. Thomas, A. G., Brodine, S. K., Shaffer, R. A., Shafer, M. A., Boyer, C. Putnam, S., Schachter, J., Chlamydial Infection and Unplanned Pregnancy in Women with Ready Access to Health Care, 2001. American College of Obstetricians and Gynecologists, Vol 98, No 6, 1117 – 1119.
41. Boyer, C. B., Shafer, M. A., Shaffer, R. A., Brodine, S. K., Stanley, I. I., Yniguez, D. L., Benas, D. M., Schachter, J, Prevention of Sexually Transmitted Diseases and HIV in Young Military Men: Evaluation of a Cognitive-Behavioral Skills-Building Intervention, 2001. Sexually Transmitted Diseases, Vol 28, No 6, 349 – 355.
42. Schuckit, M. A., Squier-Kraft, H., Hurtado, S. L., Tschinkel, A., Minagawa, R. Y., Shaffer, R. A., A Measure of the Intensity of Response to Alcohol in a Military Population, 2001. American Journal Drug Alcohol Abuse, 27 (4), 749 – 757.
43. Boyer, C.B; Shafer, M.A; Moncada, J.; Schacter, J.; Shaffer, R.A; Brodine, S.K; Sociodemographic, Behavioral, and Clinical Factors Associated with STDs in a National Sample of Women Entering the

- US Military. International Congress of Sexually Transmitted Infections, Medimond. June 2001, p 241-246.
44. Booth-Kewley, S., Gilman, P. A., Shaffer, R. A., Brodine, S. K., Evaluation of Sexually Transmitted Disease/Human Immunodeficiency Virus Prevention Train-the-Trainer Program, 2001. Military Medicine, 166, 304 – 310.
 45. Trank, T. V., Ryman, D. H., Minagawa, R. Y., Trone, D. W., Shaffer, R. A., Running Mileage, Movement Mileage, and Fitness in Male U. S. Navy Recruits, 2001. Medicine and Science in Sports and Exercise, Vol. 33 (6), 1033 – 38.
 46. Beck, T. J., Ruff, C. B., Shaffer, R. A., Betsinger, K., Trone, D. W., Brodine, S. K., Stress Fracture in Military Recruits: Gender Differences in Muscle and Bone Susceptibility Factors, 2000. Bone, Vol. 27, No. 3, 437-444.
 47. Kaufman, K. R., Brodine, S., Shaffer, R. A., Military Overuse Injuries: Incidence, Surveillance, and Prevention, 2000. American Journal of Preventive Medicine, Vol. 18, No. 38, 54-63.
 48. Wegner, S. A., Brodine, S. K., Mascola, J. R., Tasker, S. A., Shaffer, R. A., Starkey, M. J., Barile, A., Martin G. J., Aronson, N., Emmons, W. W., Stephan K., Bloor, S., Vingerhoets, J., Hertogs, K., Larder, B., Prevalence of Genotypic and Phenotypic Resistance to Anti-Viral Drugs in a Cohort of Therapy-Naïve HIV-1 Infected U.S. Military Personnel, 2000. AIDS, 14 (8) 1009 – 1016.
 49. Kelly, E. W., Jonson, S. R., Cohen, M. E., Shaffer, R. A., Stress Fractures of the Pelvis in Female Navy Recruits: An Analysis of Possible Mechanisms of Injury, 2000. Military Medicine, 165 (2). 142-146.
 50. Bush, R. A., Brodine, S. K., Shaffer, R. A., The Association of Blisters with Musculoskeletal Injuries in Male Marine Recruits, 2000. Journal of the American Podiatric Medical Association, 90 (4), 194 – 198.
 51. Kaufman, K. R., Brodine, S. K., Shaffer, R. A., Johnson, C. W., Cullison, T. R., The Effect of Foot Structure and Range of Motion on Musculoskeletal Overuse Injuries, 1999. The American Journal of Sports Medicine, 27 (5), 585 – 593.
 52. Shaffer, R. A., Brodine, S. K., Almedia, S. A., Williams, K. M., Ronaghy, S., The Use of Simple Measures of Physical Activity to Predict Stress Fractures in Young Men Undergoing a Rigorous Physical Training Program, 1999. American Journal of Epidemiology, 149 (3), 236 – 242.
 53. Brodine, S. K., Shaffer, R. A., Starkey, M. J., Tasker, S. A., Gilcrest, J. L., Louser, M. K., Barile, A., Van Cott, T. C., Vahey, M. T., McCutchan, F. E., Birx, D. L., Richman, D. D., Mascole, J. R., Drug Resistance Patterns, Genetic Subtypes, Clinical Features and Risk Factors in Military Personnel with HIV-1 Seroconversion, 1999. Annals of Internal Medicine, 131, 502 – 506.
 54. Jones, B. H., Shaffer, R. A., Snedecor, M. R., Injuries Treated in Outpatient Clinics: Surveys and Research Data, 1999. Military Medicine, 164 (8), 61 – 71.
 55. Almeida, S. A., Williams, K. M., Shaffer, R. A., Brodine, S. K., Epidemiology Patterns of Musculoskeletal Injuries and Physical Training, 1999. Medicine and Science in Sports and Exercise, 31 (8), 1176 – 1182.
 56. Shaffer, R. A., Brodine, S. K., Ito, S. I., Le, A. T., Epidemiology of Illness and Injury among U. S. Navy and Marine Corps Female Populations, 1999. Military Medicine, 16 (1) 17 – 21.
 57. Shaffer, R. A., Commentary: Natural History of Anterior Knee Pain: A 14 to 20 year Follow-up of Nonoperative Management, 1998. Clinical Journal of Sport Medicine, 8 (3).

58. Brodine, S. K., Shafer, M.A, Shaffer, R. A., Boyer, C., Putnam, S., Wignall, Bales, B., Schater, A., The Prevalence of Asymptomatic Sexually Transmitted Diseases in Four Military Populations: Application of DNA Amplification Assays for Chlamydial and Gonorrhea Screening, 1998. Journal of Infectious Diseases, 178:1202 – 4.
59. Almedia, S. A., Trone, D. W., Leone, D., Shaffer, R. A., Patheal, S. L., Long, K., Gender Differences in Musculoskeletal Injury Rates: A Function of Symptom Reporting, 1999. Medicine and Science in Sports and Exercise, 31, #12, p 1807-1812
60. Shaffer, R. A., Commentary: Eleven-Year Follow-up of Patello-Femoral Pain Syndrome, 1996. Clinical Journal of Sport Medicine, 6 (3).
61. Beck, T. J., Ruff, C. B., Mourtada, F. A., Shaffer, R. A., Maxwell-Williams, K., Kao, G. L., Sartoris, D. J., Brodine, S. K., Dual Energy X-ray Absorptiometry Derived Structural Geometry for Stress Fracture Prediction in Male U. S. Marine Corps Recruits, 1996. Journal of Bone and Mineral Research, 11, 645 – 653.
62. Dembert, M. L., Shaffer, R. A., Baugh, N. L., et al., Epidemiology of Viral Hepatitis among U. S. Navy and Marine Personnel, 1984 – 1985. American Journal of Public Health, 77, 1446 – 1447.

Refereed Reports:

1. **Riley, D.J**, Macera, C.A., Nichols, J.F., Ji, M., Wingard, D., Morton, D., Shaffer, R.A., The Association Between Participation in High School Physical Education and Physical Fitness in Young Men, 2004. Naval Health Research Center Tech Report 04-28.
2. Booth-Kewley, S., Gilman, P. A., Shaffer, R. A., Evaluation of STD/HIV Prevention Train-the-Trainer Program, 1999. Naval Health Research Center Tech. Report 99-32.
3. Booth-Kewley, S., Minagawa, R. Y., Shaffer, R. A., Gilman, P. A., Brodine, S. K., Evaluation of an STD/HIV Intervention Program among Marine Security Guards, 1999. Naval Health Research Center Tech. Report 99-23.
4. Maxwell-Williams, K., Brodine, S. K., Shaffer, R. A., Hagy, J., Kaufman, K., Biomechanical Properties of Infantry Combat Boot Development, 1997. Naval Health Research Center Report 97 – 26.
5. Almeida, S., Maxwell-Williams, K., Shaffer, R. A., Luz, J. T., Badone, E., Brodine, S. K., A Physical Training Program to Reduce Musculoskeletal Injuries in U. S. Marine Corps Recruits, Users Manual, 1997. Naval Health Research Center Report 97 – 2B.
6. Almeida, S. A., Maxwell-Williams, K., Mingawa, R. Y., Benas, D. M., Shaffer, R. A., Guidelines for Developing a Physical Training Program for U. S. Navy Recruits, 1996. Naval Health Research Center Report 96 – 11K.
7. Almeida, S., Williams, D., Shaffer, R. A., Brodine, S. K., An Epidemiologic Study of the Associations between Patterns of Physical Training and Musculoskeletal Injuries: Naval Health Research Center Report 96 – 32, 1996.
8. Brodine, S. K., Shaffer, R. A., Weech-Johnson, C., Le, A. T., Garland, C. F., Get SMARTS! A Computerized Outpatient Data Collection System for Epidemiologic Research, 1995. Naval Health Research Center Report 95 – 29.

Text Books:

1. Macera, C.A., Shaffer, R.A., Shaffer, P.M., Epidemiology Basics, The Distribution and Determinants of Disease in Humans, Cengage Publishing, 2012

Book Chapters:

1. Cowan, David N., Jones, Bruce H., Shaffer, Richard A., Musculoskeletal Injuries in the Military Training Environment. In Military Preventive Medicine, The Office of The Surgeon General at TMM Publications Borden Institute, Walter Reed Medical Center, Washington, D.C., 2003.
2. Shaffer, R. A., Incidence and Prevalence of Stress Fractures in Military and Athletic Populations. In Musculoskeletal Fatigue and Stress Fractures, Ed. Burr, D. B., and Milgrom C., CRC Press, Washington, D.C., 2001.
3. Milgrom, C., Shaffer, R. A., Exercise Programs that Prevent or Delay Stress Fractures. In Musculoskeletal Fatigue and Stress Fractures, Ed. Burr, D. B., and Milgrom, C., CRC Press, Washington, D.C., 2001.

Abstracts:

1. Shaffer, R. A., Ito, S. I., Almeida, S. A., Williams, S. M., Luz, J. T., Brodine, S. K., Validation of Self-report Measures of Physical Fitness and Activity Using a Field Fitness Test (abstract), 1998. Med Sci Sports Exerc, 30 (5).
2. Almeida, S.A., Trone, D.W., Leone, D., Shaffer, R. A., Patheal, S. L., Long, K., Gender Differences in Musculoskeletal Injury Rates: A Function of Symptom Reporting (abstract), 1998. Med Sci Sports Exerc, 30(5).
3. Maxwell – Williams, K., Almeida, S., Hagy, J., Leone, D., Luz, J. T., Shafer, R. A., Performance of a Shock-Absorbing Insole in the Laboratory is not Associated with a Reduction of Lower Extremity Musculoskeletal Injuries (abstract), 1998. Med Sci Sports Exerc, 30(5).
4. Trone, D. W., Leone, D. M., Shaffer, R. A., Using Anthropometrics to Evaluate Knee/Lower Leg Injury Susceptibility among Women Marine Corps Recruits in Basic Training (abstract), 1997. Med SciSportsExerc, 29 (5).
5. Luz, J. T., Almeida, S. A., Francis, P. R., Shaffer, R. A., Leone, D. M., Elder, J. P., Strength Training as a Predictor of Exercise-Related Lower Extremity Stress Fracture in Young Males (abstract), 1995. Med Sci SportsExerc, 27 (5) Suppl S78 #439.
6. Maxwell-Williams, K., Almeida, S., Shaffer, R. A., et. al., Association of Overuse Lower Extremity Musculoskeletal Injury and Fitness in U. S. Marine Recruits (abstract), 1995. Med Sci Sports Execer, 26 (5).
7. Shaffer, R. A., Brodine, S. K., Corwin, C., et. al., Impact of Musculoskeletal Injury due to Rigorous Physical Activity During U. S. Marine Corps Basic Training (abstract), 1994. Med Sci Sports Exerc, 26(5).
8. Maxwell-Williams, K., Shaffer, R. A., Brodine, S. K., et. al., Stress Fracture Incidence in Males Undergoing Rigorous Training (abstract), 1994. Med Sci Sports Exerc, 26 (5).
9. Almeida, S. A., Shaffer, R. A., Brodine, S. K., et. al., A Risk Profile for Stress Fracture Susceptibility in U. S. Marine Corps Recruits (abstract), 1994. Med Sci Sports Exerc, 26 (5).
10. Shaffer, R. A., (1991). The Factors Involved with Participations in Running a Group of Active Military Runners: The Running History Survey, 1990. Unpublished doctoral dissertation, University of South Carolina.

Grants (Principal Investigator Only):

1. Use of Noninvasive Bone Structural Measurements to Evaluate Stress Fracture Susceptibility Among Selected Marine Corps and Navy Populations, 1992 – 1995, \$294,000.00.
2. The Epidemiology of Overuse Injuries Among Selected U. S. Navy and Marine Corps Populations 1991 – 1995, \$848,000.00.
3. Development and Validations of Predictive Models for Musculoskeletal Injuries in Navy and Marine Corps Populations, 1994 – 1997, \$756,000.00.
4. The Epidemiology of Illness, Injury and Attrition Among Select U. S. Marine Corps Basic Training, 1995, \$284,000.00.
5. Use of Noninvasive Bone Structural Measurements to Evaluate Stress Fracture Susceptibility Among Female Recruits in U. S. Marine Corps Basic Training, 1995, \$64,000.00.
6. Development and Assessment of Training Models for the Prevention of Musculoskeletal Injuries in Navy Recruits, 1996, \$150,000.00.
7. Intervention to Reduce Heavy Alcohol Use Among Marine Corps Personnel, 1997 – 1998, \$1,000,000.00.

Service Activities:**SDSU/San Diego**

Member, University PreProfessional Committee (March 2001 to Present)
Member, GSPH Joint Doctoral Program Steering Committee (January 2000 to present)
Member, GSPH Performance Evaluation Committee (September 2000 to September 2001)
Member, GSPH Search Committee (Epidemiology 2007)
Member, GSPH Search Committee (Biostatistics 2007)
Coordinator, UCSD/SDSU/NAVY San Diego Epidemiology Exchange, May 2, 2007
California Conference of Local and State Health Officers, Epidemiology Educator 2004-2005
World AIDS Day Presentation, SDSU December 1, 2006

National

Journal Reviewer, American Journal of Preventive Medicine
Journal Reviewer, American Journal of Athletic Training
Panel Member, Center for Strategic and Studies, HIV/AIDS Task Force
Member U.S. Department of Defense, Sexually Transmitted Disease Prevention Committee
Member U.S Department of Defense, Alcohol Abuse and Tobacco Reduction Committee

International

UNAIDS Unformed Services Task Force on HIV/AIDS