

CURRICULUM VITAE

Updated: June 2, 2016

Stephen J. Walsh
Associate Professor
University of Connecticut
School of Nursing

U-4026, 231 Glenbrook Rd
Storrs, CT 06269-4026
(860) 486-0544
stephen.walsh@uconn.edu

I. EDUCATION

BA	Providence College	Mathematics	1978
MTS	Harvard Divinity School	Theology	1981
ScM	Brown University	Applied Mathematics	1985
ScD	Harvard School of Public Health	Biostatistics	1989

II. PROFESSIONAL EXPERIENCE

A. Experience in Higher Education

2008-	School of Nursing University of Connecticut, Storrs, CT	Associate Professor
2002-2008	Department of Community Medicine School of Medicine University of Connecticut Health Center Farmington, CT	Associate Professor
1997-	Department of Statistics, University of Connecticut, Storrs, CT	Adjunct Associate Professor
1991-2002	Department of Community Medicine School of Medicine University of Connecticut Health Center Farmington, CT	Assistant Professor
1989-1991	Department of Health Care Policy Harvard Medical School, Boston, MA	Postdoctoral Fellow

B. Experiences in Other than Higher Education

1978-1979	Mathematics Teacher	Keough Regional High School, Pawtucket, RI
1981-1982	Systems Analyst	Old Stone Bank, Providence, RI
1982-1983	Radar Data Analyst	Ford Aerospace and Communications Corporation MIT-Lincoln Laboratory, Lexington, MA

III. PUBLICATIONS (# data-based) (*Peer Reviewed)

Cong X, Ludington-Hoe SM, Hussain N, Cusson RM, Walsh S, Vazquez V., Briere CE, Vittner D. Parental oxytocin responses during skin-to-skin contact in pre-term infants. *Early Human Development* 2015, 91: 401-6. #*

Mangano KM, Kerstetter JE, Kenny AM, Insogna KL, Walsh SJ. An investigation of the association between omega 3 FA and bone mineral density among older adults: results from the National Health and Nutrition Examination Survey years 2005-2008. *Osteoporosis International* 2014; 25: 1033-41. #*

McDonald D.D., Walsh S., Vergara C., Gifford T. Effect of a virtual pain coach on pain management discussions: a pilot study. *Pain Management Nursing* 2013; 14: 200-9. #*

Mangano KM, Hutchins-Wiese HL, Kenny AM, Walsh SJ, Abourizk RH, Bruno RS, Lipcius R, Fall P, Kleppinger A, Kenyon-Pesce L, Prestwood KM, & Kerstetter JE. Soy proteins and isoflavones reduce interleukin-6 but not serum lipids in older women: a randomized controlled trial. *Nutrition Research* 2013; 33: 1026-33. #*

Mangano KM, Walsh, SJ, Kenny AM, Insogna KL, Kerstetter JE. Dietary acid load is associated with lower bone mineral density in men with low intake of dietary calcium. *Journal of Bone and Mineral Research* 2013; 29: 500-6. #*

Cong X, Cusson RM, Walsh S, Hussain N, Ludington-Hoe SM, Zhang D. Effects of skin-to-skin contact on autonomic pain responses in preterm infants. *Journal of Pain* 2012; 13: 636-45. #*

Fragala MS, Clark MH, Walsh SJ, Kleppinger A, Judge JO, Kuchel GA, Kenny AM. Gender differences in anthropometric predictors of physical performance in older adults. *Gender Medicine* 2012; 9: 445-56. #*

McDonald DD, Walsh SJ, Vergara C, Gifford T, Weiner DK. The effect of a Spanish virtual pain coach for older adults: a pilot study. *Pain Medicine* 2012; 13: 1397-1406. #*

McDonald TJ, Driedger AA, Garcia BM, Van Uum SHM, Rachinsky I, Chevendra V, Breadner D, Feinn R, Walsh SJ, Malchoff CD. Familial papillary thyroid carcinoma: a retrospective analysis. *Journal of Oncology* 2011; Article ID 948786. #*

McDonald DD, Walsh SJ. Older adult osteoarthritis pain management: Results from the 2008 Ambulatory Medical Care Survey. *Journal of the American Academy of Nurse Practitioners* 2012; 24:107-12. #*

Foley RJ, Wilcox D, Walsh SJ, Azrin M, Hager WD. Survival of geriatric idiopathic pulmonary arterial hypertension patients. *Connecticut Medicine* 2011; 75; 11-5. #*

Mangano KM, Walsh SJ, Insogna KL, Kenny AM, Kerstetter JE. Calcium intake in the United States from dietary and supplemental sources: new estimates from the National Health and Nutrition Examination Survey 2003-2006. *Journal of the American Dietetic Association* 2011; 111: 687-95. #*

McDonald DD, Gifford T, Walsh S. Effect of a virtual pain coach on older adults' pain communication: a pilot study. *Pain Management Nursing* 2011; 12: 50-6. #*

Cong X, Ludington-Hoe SM, Walsh S. Randomized crossover trial of kangaroo care to reduce biobehavioral pain responses in preterm infants: a pilot study. *Biological Research for Nursing* 2010; 13: 204-16. #*

Neafsey PJ, Milan CE, Ge M, Walsh SJ, Lin CA, Anderson E. Reducing adverse self-medication behaviors in older adults with hypertension: results of an e-health clinical efficacy trial. *Ageing International* 2010; 36 (e-publication, no page numbers). #*

Kozlak ST, Walsh SJ, Lalla RJ. Reduced dietary intake of vitamin B12 and folate in patients with recurrent aphthous stomatitis. *Journal of Oral Pathology and Medicine* 2010, 39: 420-3. #*

Lalla RV, Pilbeam CC, Walsh SJ, Sonis ST, Keefe DM, Peterson DE. Role of the cyclooxygenase pathway in chemotherapy-induced oral mucositis: a pilot study. *Supportive Care in Cancer* 2010, 18: 95-103. #*

Voznesensky M, Walsh SJ, Dauser D, Brindisi J, Kenny AM. The association between dehydroepiandrosterone and frailty in older men and women. *Age and Ageing* 2009, 38: 401-6. #*

Neafsey PJ, Anderson E, Coleman C, Lin CA, Milan CE, Walsh SJ. Reducing adverse self-medication behaviors in older adults with the Next Generation Personal Education Program (PEP-NG): Design and methodology. *Patient Preference and Adherence* 2009, 3: 323-34. #*

Walsh SJ, Dauser-Forrest D. Correlates of weight loss in persons with metabolic syndrome. *Preventive Medicine* 2009, 49: 396-401. #*

Kenny AM, Mangano KM, Abourizk RH, Bruno RS, Anamani DE, Kleppinger A, Walsh SJ, Prestwood KM, Kerstetter JE. Soy proteins and isoflavones affect bone mineral density in older women: a randomized controlled trial. *American Journal of Clinical Nutrition* 2009, 90: 234-42. #*

Papp KV, Walsh SJ, Snyder PJ. Immediate and delayed effects of cognitive interventions in healthy elderly: a review of current literature and future directions. *Alzheimer's and Dementia* 2009, 5: 50-60. #*

Kenny AM, Smith JA, Noteroglu E, Waynik IY, Ellis C, Kleppinger A, Annis K, Dauser D, Walsh SJ. Osteoporosis risk in frail older adults in assisted living. *Journal of the American Geriatrics Society* 2009, 57: 76-81. #*

Plotnikov SV, Kenny AM, Walsh SJ, Zubrowski B, Joseph C, Scranton VL, Kuchel GA, Dauser D, Manshan X, Pilbeam CC, Adams DJ, Dougherty RP, Campagnola PJ, Mohler WA: Measurement of muscle disease by quantitative second-harmonic generation imaging. *Journal of Biomedical Optics* 2008, 13: 044018. #*

Jhaveri A, Walsh SJ, Wang Y, McCarthy M, Gronowicz G: Therapeutic touch affects DNA synthesis and mineralization of human osteoblasts in culture. *Journal of Orthopedic Research* 2008, 11: 1541-6. #*

Boxer RS, Wang Z, Walsh SJ, Hager D, Kenny AM: The utility of the 6-minute walk as a measure of frailty in older adults with heart failure. *American Journal of Geriatric Cardiology* 2008, 17: 7-12. #*

Hussain N, Krueger W, Walsh SJ, Covault J, Kranzler HR, Oncken C: Effects of prenatal tobacco exposure on gene expression profiling in umbilical cord tissue. *Pediatric Research* 2008, 64: 147-53. #*

Boxer RS, Dauser DA, Walsh SJ, Hager WD, Kenny AM: The association of vitamin D and inflammation with the 6-minute walk and frailty in patients with heart failure. *Journal of the American Geriatrics Society* 2008, 56: 454-61. #*

Estrada M, Kleppinger A, Judge JO, Walsh SJ, Kuchel GA: Functional impact of relative versus absolute sarcopenia in healthy older women. *Journal of the American Geriatrics Society* 2007, 55: 1712-9. #*

Pefanco MA, Kenny AM, Kaplan RF, Kuchel GA, Walsh SJ, Kleppinger A, Prestwood K: The effect of 3-year treatment with 0.25 mg/day of micronized 17beta-estradiol on cognitive function in older postmenopausal women. *Journal of the American Geriatrics Society* 2007, 55: 426-31. #*

Reisine S, Fifield J, Walsh SJ, Dauser D: Work disability among two cohorts of women with recent onset rheumatoid arthritis: A survival analysis. *Arthritis and Rheumatism* 2007, 57: 373-80. #*

Kenny A, Boxer R, Walsh SJ, Hager W, Raisz L: Femoral bone density in heart failure patients. *Osteoporosis International* 2006, 17: 1420-7. #*

Walsh SJ, Gilchrist A: Geographical clustering of mortality from SLE in the United States: Contributions of poverty, Hispanic ethnicity, and solar radiation. *Lupus* 2006, 16: 662-70. #*

Kiernan M, Civetta J, Bartus C, Walsh SJ: 24 hours on-call and acute fatigue no longer worsen resident mood under the 80-hour work week regulations. *Current Surgery* 2006, 63: 237-41. #*

Pollastri AR, Pokrywa ML, Walsh SJ, Kranzler HR, Gelernter J: Incentive program decreases no-shows in nontreatment substance abuse research. *Experimental and Clinical Psychopharmacology* 2005, 13: 376-80. #*

Reisine S, Fifield J, Walsh SJ, Dauser D: Employment and quality of life outcomes among women with fibromyalgia compared to healthy controls. *Women and Health* 2004, 39: 1-19. #*

Reisine S, Fifield J, Walsh SJ, Feinn R: Do employment and family work affect the health status of women with fibromyalgia? *Journal of Rheumatology* 2003, 30: 2045-53. #*

Kulldorff M, Fang Z, Walsh SJ: A tree-based scan statistic for database disease surveillance. *Biometrics* 2003, 59: 323-31. #*

Reisine S, Fifield J, Walsh SJ, Feinn R: Factors associated with continued employment among rheumatoid arthritis patients: A survival model. *Journal of Rheumatology* 2001, 28: 2400-8. #*

McCarthy TA, Julian K, Walsh SJ, Hinten S, Petersen LR, Biggerstaff B, Marfin AA, Baisley C, Iton A, Nelson R, Archambault G, Hadler JL: West Nile virus serosurvey and assessment of personal prevention efforts in an area with intense epizootic activity, Connecticut, 2000. *Annals of the New York Academy of Sciences* 2001, 951: 307-16. #*

Walsh SJ, DeChello LM: Geographical variation in mortality from systemic lupus erythematosus in the United States. *Lupus* 2001, 10: 637-46. #*

Walsh SJ, DeChello LM: Excess autoimmune disease mortality among school teachers. *Journal of Rheumatology* 2001, 28: 1537-45. #*

Lakshminarayanan S, Walsh SJ, Mohanraj M, Rothfield NF: Factors associated with low bone mineral density in female systemic lupus patients. *Journal of Rheumatology* 2001, 28: 102-8. #*

Walsh SJ, Rau LM: Autoimmune diseases: A leading cause of death among young and middle-aged women in the United States. *American Journal of Public Health* 2000, 90: 1463-6. #*

Gregorio DI, Walsh SJ, Tate JP: Diminished socioeconomic and racial disparity in the detection of early-stage breast cancer, Connecticut, 1986-1995. *Ethnicity and Disease* 1999, 9: 396-402. #*

Walsh SJ: Effects of non-mining occupational silica exposure on mortality from silicosis and systemic sclerosis. *Journal of Rheumatology* 1999, 26: 2179-85. #*

Silverman DI, Walsh SJ, Golden S, Raymond RJ, Lee AJ, Katz AM: The interval-force relation is preserved in the presence of cardiomyopathy or coronary artery disease in patients with atrial fibrillation. *Journal of Cardiac Failure* 1999, 5: 100-8. #*

Gregorio DI, Cromley E, Mrozinski R, Walsh SJ: Subject loss in spatial analysis of breast cancer. *Health and Place* 1999, 5: 173-7. #*

Walsh SJ: Goodness-of-fit issues in ROC curve estimation. *Medical Decision Making* 1999, 19: 193-201. #*

Russell JC, Walsh SJ, Fourquet LR, Mattie AS, Lynch JT: Symptomatic cholelithiasis: A different disease in men? *Annals of Surgery* 1998, 227: 195-200. #*

Pennoyer JW, Grin CM, Driscoll MS, Dry SM, Walsh SJ, Gelineau JP, Grant-Kels JM: Changes in size of melanocytic nevi during pregnancy. *Journal of the American Academy of Dermatology* 1997, 36: 378-82. #*

Walsh SJ, Fenster JR: Geographical clustering of systemic sclerosis in the Southeastern United States, 1981-90. *Journal of Rheumatology* 1997, 24: 2348-52.

Gregorio DI, Walsh SJ, Paturzo D: Effects of social position on mortality among a large American cohort. *American Journal of Public Health* 1997, 87: 1472-5. #*

Vasquez-Abad D, Monteon V, Senecal JL, Walsh SJ, Rothfield NF: Analysis of IgG subclasses of human antitopoisomerase I suggests chronic B cell stimulation. *Clinical Immunology and Immunopathology* 1997, 84: 65-72. #*

Walsh SJ: Limitations to the robustness of binormal ROC curves: Effects of model misspecification and location of decision thresholds on bias, precision, size, and power. *Statistics in Medicine* 1997, 16: 669-79. #*

Walsh SJ, Algert CS, Rothfield NF: Racial aspects of comorbidity in systemic lupus erythematosus. *Arthritis Care and Research* 1996, 9: 509-16.

White WB, Walsh SJ: Ambulatory monitoring of the blood pressure in multi-center clinical trials. *Blood Pressure Monitoring* 1996, 1: 227-229.

Roberts CL, Roome AJ, Algert CS, Walsh SJ, Kurland M, Lawless K, Cartter ML: A meningococcal vaccination campaign on a university campus: Vaccination rates and factors in nonparticipation. *American Journal of Public Health* 1996, 86: 1155-8. #*

Russell JC, Walsh SJ, Mattie AS, Lynch JT: Bile duct injuries, 1989-1993: A statewide experience. *Archives of Surgery* 1996, 131: 382-8. #*

Walsh SJ, Algert CS, Gregorio DI, Reisine ST, Rothfield NF: Divergent racial trends in mortality from systemic lupus erythematosus. *Journal of Rheumatology* 1995, 22: 1663-8. #*

Wolf GL, Walsh SJ, McNeil BJ: Utility of magnetic resonance contrast agents in routine cranial imaging. *Neuroimaging Clinics of North America* 1994, 4: 55-62. #

Roome AJ, Walsh SJ, Cartter ML, Hadler JL: Hepatitis B vaccine responsiveness in Connecticut public safety personnel. *JAMA* 1993, 270: 2931-4. #*

Nulsen JC, Walsh SJ, Dumez S, Metzger DA: A randomized and longitudinal trial of human menopausal gonadotropin with intrauterine insemination in the treatment of infertility. *Obstetrics and Gynecology* 1993, 82: 780-6. #*

Mehta CR, Walsh SJ: Comparison of exact, mid-p and Mantel-Haenszel confidence intervals. *American Statistician* 1992, 46: 146-50. #*

Walsh SJ: Diagnostic accuracy and deep venous thrombosis: A biostatistician's perspective. *Journal of Nuclear Medicine* 1991, 32: 2328-31.

Walsh SJ, Begg CB, Carbone PP: Cancer chemotherapy in the elderly. *Seminars in Oncology* 1989, 16: 66-75.

IV. RESEARCH AND EVALUATION GRANTS RECEIVED

A. Grants and Contracts: Federal, Regional, State

2013-2016 National Institute of Nursing Research (K23)
Principal Investigator: X. Cong
Title: Early Life Experience Imprints Gut Microbiome in Preterm Infants
Total Direct Costs: \$382,696
Role: Mentor / Statistician

2009-2010 National Heart, Lung, and Blood Institute (R01 - No Cost Extension)
Principal Investigator: P. Neafsey
Title: Reducing Adverse Self-medication Behaviors in Older Adults with Hypertension
Total Direct Costs: \$750,000
Role: Co-Investigator

2007-2012 National Institute on Aging (R01)
Principal Investigator: G. Kuchel
Title: Pathogenesis of Detrusor Underactivity and Urinary Retention in the Frail Elderly
Total Direct Costs: \$1,250,000
Role: Statistician

2005-2006 Connecticut Department of Public Health Biomedical Research Trust Fund
Principal Investigator: C. Oncken
Title: Cigarette Smoking and Effects on Infant/Child Health
Total Direct Costs: \$500,000
Role: Statistician

2004-2009 National Center for Research Resources (M01 - Renewal)
Principal Investigator: B. Koeppen
Title: University of Connecticut General Clinical Research Center
Total Direct Costs: \$14,980,463
Role: Director, Biostatistics Core

2002-2004 National Center for Research Resources (M01)
Principal Investigator: R. Berlin
Title: University of Connecticut General Clinical Research Center
Total Direct Costs: \$1,840,447
Role: Director, Biostatistics Core

1999-2001 National Institute of Allergy and Infectious Diseases (R21)
Title: An Occupational Mortality Survey for Autoimmune Diseases
Total Direct Costs: \$75,000
Role: Principal Investigator

1999-2004 National Institute of Arthritis, Musculoskeletal, and Skin Diseases (R01)
Principal Investigator: S. Reisine
Title: Employment and Health Status in Women with Fibromyalgia
Total Direct Costs: \$1,298,802
Role: Statistician

1996-1998 National Institute of Arthritis, Musculoskeletal, and Skin Diseases
Multipurpose Arthritis Center Development and Feasibility Grant
Center Director: N. Rothfield
Title: Occupational Correlates of Systemic Sclerosis Mortality
Total Direct Costs: \$60,000
Role : Principal Investigator

B. Grants: Foundation

2010-2011 Biomarkers Consortium of the Foundation for the National Institute of Health
Principal Investigator: A. Kenny
Title: Clinical Criteria for the Diagnosis of Clinically Important Weakness
Associated with Low Muscle Mass in Older Adults
Total Direct Costs: \$40,000
Role: Statistician

2008-2009 Donaghue Medical Research Foundation
Nutrition Research Program
Title: Dietary Protein and Fatty Acid Intake Affect Bone Mineral Density Total
Direct Costs: \$27,736
Role: Principal Investigator

2006-2007 Donaghue Medical Research Foundation
Nutrition Research Program
Title: Prevalence and Predictors of Weight Reduction Activities in Metabolic
Syndrome
Total Direct Costs: \$32,067
Role: Principal Investigator

1994-1997 Donaghue Medical Research Foundation
New Investigator Award
Title: Statistical Methods Relating Tumor Size to Diagnosis
Total Direct Costs: \$146,895
Role: Principal Investigator

1999-2000 Lupus Foundation of America, Connecticut Chapter
Title: Effects of Ethnicity on Mortality from Systemic Lupus Erythematosus
Total Direct Costs: \$12,000
Role: Principal Investigator

- 1998-2003 Arthritis Foundation Clinical Science Grant
Principal Investigator: S. Reisine
Title: Health Status and Employment among Women with Rheumatoid Arthritis
Total Direct Costs: \$370,000
Role: Statistician
- 1998-1999 Lupus Foundation of America, Connecticut Chapter
Title: Geographical Distribution of Mortality from Systemic Lupus Erythematosus
Total Direct Costs: \$15,000
Role: Principal Investigator

C. Grants: University

- 2013-2018 University of Connecticut Institute for Systems Genomics Affinity Research Collaboratives
Faculty Research Grant
Title: Early Life Physiological and Psychosocial Stress Imprints Gut Microbiome
in
Preterm Infants
Total Direct Costs: \$250,000
Role: Co-Investigator
- 1998-1999 University of Connecticut Health Center Research Advisory Committee
Faculty Research Grant
Title: Autoimmune Disease Mortality among School Teachers
Total Direct Costs: \$25,000
Role: Principal Investigator

V. DISSERTATION AND THESIS SUPERVISION (as major advisor)

- D. Ortiz May, 2009.
Master's Thesis: Rates and Relative Risk of Malpractice Claims Between and Within Medical Specialties
- A. Campbell May, 2006.
Master's Thesis: Cost-effectiveness of herpes zoster vaccination.
- A. Clarke August, 2004.
Master's Thesis: Clinical practice guidelines and their use in a staff model HMO.
- G. Papaioouannou May, 2004
Master's Thesis: Primary cardiovascular prevention strategies in Type 2 diabetes mellitus.

- L. DeChello April, 2004.
Master's Thesis: Health care worker attitudes toward smallpox vaccination.
- R. Votino October, 2003.
Master's Thesis: Cardiovascular disease: A worksite health promotion intervention.
- D. Katten December, 2001.
Master's Thesis: Pain management after ambulatory surgery.
- J. Fenster May, 2000.
Master's Thesis: Automated forms processing and automated data capture in public health.
- J. Hartman November 1998.
Master's Thesis: The role of Connecticut Public Health Code screening tests in nursing home care.
- R. Nelson April, 1998.
Master's Thesis: The raccoon rabies epizootic in Connecticut.
- N. Brooks August, 1997.
Master's Thesis: Trends in mortality from rheumatoid arthritis, United States, 1983-92.
- B. McRee February, 1997.
Master's Thesis: Noncompliance with IDDM regimens: An exploratory analysis of the Connecticut Program for Children with Diabetes.
- S. MacArthur February, 1997.
Master's Thesis: An analysis of factors which affect total cost in a pediatric diabetes treatment program.
- T. Condren May, 1996.
Master's Thesis: Issues in the measurement of health disparities between blacks and whites in the United States.
- K. McTigue April, 1996.
Master's Thesis: Tuberculosis in the homeless population of Hartford, Connecticut: Current prevalence and predicted trends based on mathematical modeling.
- J. Carnes April, 1996.
Master's Thesis: The effect of residential proximity to a hazardous waste site on participation in a voluntary blood lead screening program.

VI. HONORS RECEIVED

2014- Chair, National Institute on Aging, Data Safety Monitoring Board

- 2010-2013 Member, National Institute on Aging, Data Safety Monitoring Board
- 2001 Member, National Institutes of Health, Autoimmune Diseases Coordinating Committee, Epidemiology Working Group
- 1990 Student Travel Fellowship, Biometric Society
- 1985-1987 National Institutes of Health Training Grant

VII. EDITORIAL BOARDS AND REVIEW ACTIVITIES

A. Editorial Boards / Journal Reviewer

- 1995-2008 Statistical Consulting Editor, Blood Pressure Monitoring

Reviewer for: American Journal of Public Health
 American Statistician
 Arthritis and Rheumatism
 Biological Research for Nursing
 Japan Journal of Nursing Science
 Journal of Dental Research
 Journal of Rheumatology
 Medical Decision Making
 Morbidity and Mortality Weekly Report (MMWR)
 Neuroepidemiology
 Research in Nursing and Health
 Statistics in Medicine

B. Peer Review Panels

- 2015 Donaghue Medical Research Foundation, "Another Look" Grant Competition
- 2014 Donaghue Medical Research Foundation, "Another Look" Grant Competition
- 2013 Donaghue Medical Research Foundation, "Another Look" Grant Competition
- 2007 National Institutes of Health, Special Emphasis Panel, Specialized Centers of Interdisciplinary Research on Sex and Gender Factors Affecting Women's Health
- 1998 National Science Foundation, Division of Mathematical Sciences
- 1996 National Institutes of Health, National Institute of Arthritis, Musculoskeletal, and Skin Diseases, Ad Hoc Review Committee

VIII. PRESENTATIONS

A. Invited Addresses

Research Seminar Series, Connecticut Children's Medical Center, Hartford, CT, September, 2007.

Title: Weight and Weight Loss in Metabolic Syndrome

General Clinical Research Center Seminar Series, University of Connecticut Medical School, Farmington, CT, May, 2007.

Title: Weight and Weight Loss in Metabolic Syndrome

General Clinical Research Center Seminar Series, University of Connecticut Medical School, Farmington, CT, October 2002.

Title: What Biostatisticians Really Do (and why you need to know!)

Lupus Foundation of America, Educational Symposium, Washington, D.C., April, 2000.

Title: Effects of Ethnicity on Mortality from SLE

Lupus Foundation of America, Connecticut Chapter, Farmington, CT, May, 1998.

Title: Geographical Clustering of Systemic Lupus Erythematosus

American Statistical Association, Connecticut Chapter, Storrs, CT, November, 1997.

Title: Statistical Issues in the Assessment of Diagnostic Tests

Multipurpose Arthritis and Musculoskeletal Diseases Centers, Social and Behavioral Scientists Mid-Year Meeting, Farmington, CT, April, 1996.

Title: Issues in the Technology of Collaborative Research in Arthritis

Scleroderma Foundation, Connecticut Chapter, Farmington, CT, November, 1995.

Title: Geographical Clustering of Scleroderma

Donaghue Medical Research Foundation, Research Methodologies Symposium, Hartford, CT, February, 1994.

Title: Basic Building Blocks of Randomized Clinical Trials

Department of Statistics Seminar Series, University of Connecticut, Storrs, CT, December, 1991.

Title: Exact Two-Sample Rank Tests

B. Conference Presentations

Cong X, McGrath JM, Henderson W, Walsh SJ. Stressful Early Life Experience in the NICU Imprints Infant Gut Microbiome. Eastern Nursing Research Society, 27th Annual Scientific Sessions, April, 2015.

Reagan LA, Walsh SJ, Judge M. Relationship of Illness Representation, Diabetes Knowledge, and Self-Care Behavior to Glycemic Control in Incarcerated Persons with Diabetes. Council for the Advancement of Nursing Science, 2014.

Fragala MS, Walsh SJ, Kleppinger A, Judge JO, Kuchel GA, Kenny AM. Gender differences in anthropometric predictors of physical performance in older adults. American Geriatrics Society Annual Meeting, May, 2010.

Reisine S, Fifield J, Walsh SJ, Dauser D, Abeles M. Employment and quality of life among women with recent onset rheumatoid arthritis. Association of Rheumatology Health Professionals Annual Meeting, November, 2006.

Reisine S, Fifield J, Walsh SJ, Dauser D, Abeles M. Evolution of health status changes over time among women with fibromyalgia. American College of Rheumatology Annual Meeting, November, 2005.

Reisine S, Fifield J, Walsh SJ, Dauser D, Abeles M. Employment and health status changes among women with fibromyalgia: A five-year study. Association of Rheumatology Health Professionals Annual Meeting, November, 2005.

Reisine S, Fifield J, Walsh SJ, DeChello L, Dauser D. Pragmatic and gendered factors associated with hours spent in family work among women with recent onset rheumatoid arthritis and healthy controls. American College of Rheumatology Annual Meeting, October, 2004.

Reisine S, Fifield J, Dauser D, Walsh SJ, Abeles M. Survival analysis of employment among two cohorts of women with newly diagnosed rheumatoid arthritis. American College of Rheumatology Annual Meeting, October, 2004.

Reisine S, Fifield J, DeChello L, Walsh SJ, Abeles M. Job strain and pain levels among employed women with fibromyalgia and recent onset rheumatoid arthritis. Association of Rheumatology Health Professionals Annual Meeting, October, 2004.

Reisine S, Fifield J, DeChello L, Walsh S, Abeles M: The expression and experience of pain among women with fibromyalgia and controls with chronic pain using the McGill Pain Questionnaire. Association of Rheumatology Health Professionals Annual Meeting, October, 2004.

Fifield J, Reisine S, Walsh SJ, DeChello L, Abeles M: A comparison of retrospective pain reports among women with rheumatoid arthritis. Association of Rheumatology Health Professionals Annual Meeting, October, 2004.

Hiser W, Azrin M, Hager D, Schulman P, Silverman D, Walsh SJ, Liang B: Novel genetic polymorphism in human adenosine transporter gene: Implication for dipyridamole non-response in vasodilator stress testing. American Heart Association Annual Meeting, November, 2003.

Reisine S, Fifield J, Walsh SJ, Dauser D, Abeles M: The effects of employment on quality of life among female fibromyalgia patients and controls. Association of Rheumatology Health Professionals Annual Meeting, October, 2003.

Fifield J, Reisine S, Walsh SJ, Tennen H, DeChello L: Chronic home strain, daily stress, negative affectivity, and their relationship to pain reports in fibromyalgia. Association of Rheumatology Health Professionals Annual Meeting, October, 2003.

Ali Z, Parke L, Walsh SJ: Incidence of breast cancer in Connecticut women with systemic lupus erythematosus: Preliminary results. American College of Rheumatology Annual Meeting, October, 2003.

Fifield J, Reisine S, Walsh SJ, Abeles M: How do the events of the week relate to reports of pain over differing time periods in women with fibromyalgia? Association of Rheumatology Health Professionals Annual Meeting, November, 2002.

Fifield J, Reisine S, Walsh SJ, et al.: The relationship of a stressful week and weekly reports of pain and fatigue in rheumatoid arthritis and fibromyalgia. Association of Rheumatology Health Professionals Annual Meeting, November, 2001.

Reisine S, Fifield J, Walsh SJ, Abeles M, Feinn R: Characterizing the health of employed and non-employed female fibromyalgia patients compared to healthy controls. Association of Rheumatology Health Professionals Annual Meeting, November, 2001.

Reisine S, Fifield J, Walsh SJ, Abeles M, Feinn R: Six month changes in health status among recent onset female rheumatoid arthritis patients. Association of Rheumatology Health Professionals Annual Meeting, November, 2001.

McCarthy T, Julian K, Walsh SJ, et al.: West Nile virus serosurvey and assessment of personal prevention efforts in an area with intense epizootic activity and no severe human disease. International Conference on the West Nile Virus, New York Academy of Sciences, April, 2001.

Reisine S, Fifield J, Walsh SJ, et al.: Employment and health status of recent onset rheumatoid arthritis patients and matched controls. Association of Rheumatology Health Professionals Annual Meeting, October, 2000.

Reisine S, Fifield J, Walsh SJ, et al.: Health status differences between employed and unemployed women with fibromyalgia. Association of Rheumatology Health Professionals Annual Meeting, October, 2000.

Walsh SJ, Mahooti-Brooks N: An occupational mortality survey for the autoimmune diseases. American College of Rheumatology Annual Meeting, October, 2000.

Fang Z, Kulldorff M, Walsh SJ: A tree-based scan statistic for occupational disease surveillance. American Statistical Association Joint Meetings, August, 2000.

Walsh SJ, Rau LM: Excess autoimmune disease mortality among school teachers. American College of Rheumatology Annual Meeting, November, 1999.

Walsh SJ, Rau LM: Geographical clustering of mortality from SLE. American College of Rheumatology Annual Meeting, November, 1999.

Walsh SJ: Divergent effects of occupational silica exposure on proportional mortality from systemic sclerosis and silicosis. National Institute of Environmental Health Sciences, Workshop: Linking environmental agents and autoimmune diseases, September, 1998.

Walsh SJ: Divergent effects of occupational silica exposure on proportional mortality from systemic sclerosis and silicosis. American College of Rheumatology Annual Meeting, November, 1997.

Gregorio DI, Paturzo D, Walsh SJ: Longitudinal effects of social position on mortality among gender and age specific cohorts. American Public Health Association Annual Meeting, November, 1996.

Walsh SJ, Fenster JR: Geographical clustering of systemic sclerosis in the southeastern United States. American College of Rheumatology Annual Meeting, October, 1996.

Walsh SJ, Algert CS, Rothfield NF: Racial aspects of co-morbidity in SLE: The roles of renal disease and ischemic heart disease. American College of Rheumatology Annual Meeting, October, 1996.

Gregorio DI, Paturzo D, Walsh SJ: Cumulative effects of social position on mortality in a large cohort. Society for Epidemiologic Research Annual Meeting, June, 1996.

Shapiro DB, Walsh SJ, Algert CS, Thornton KL, Nulsen JC: Endometrial thickness in women with endometriosis or unexplained infertility undergoing superovulation with intrauterine insemination. Society for Gynecologic Investigation Annual Meeting, March, 1995.

White WB, Walsh SJ: The utility of the 24-hour BP in multi-center clinical trials. Fifth International Consensus Conference on Ambulatory Blood Pressure Monitoring, January, 1995.

Roberts CL, Cartter ML, Walsh SJ, Roome AJ, Hadler JL: Evaluation of a meningococcal mass vaccination campaign. Society for Epidemiologic Research Annual Meeting, June, 1994.

Walsh SJ, White WB, Grin J: Determinants of the nocturnal decline in blood pressure. Fourth International Consensus Conference on Ambulatory Blood Pressure Monitoring, January, 1994.

Walsh SJ, White WB, Grin J: Determinants of the nocturnal decline in blood pressure. Meeting of Eastern Region of the American Federation for Clinical Research, October, 1993.

Barry L, Gregorio DI, Walsh SJ: The force of social ecology on rates of preventable cancer mortality. Preventive Medicine Annual Meeting, April, 1993.

Scaf G, Kantor ML, Walsh SJ: Effect of magnification on caries detection with radiovisiography. International Association for Dental Research Annual Meeting, March, 1993.

Walsh SJ: Exact inference using the Mantel-Haenszel estimator. American Statistical Association Joint Meetings, August, 1992.

Walsh SJ: Exact inference using the Mantel-Haenszel estimator. Society for Epidemiologic Research Annual Meeting, June, 1992.

Walsh SJ: Hierarchical models for the ROC curve. Biometric Society Meeting, March, 1992.

Megibow A, Walsh SJ, Zerhouni E, et al.: Comparison of CT and MR imaging in evaluation of patients with pancreatic adenocarcinoma: Report of the Diagnostic Radiologic Oncology Group. Radiological Society of North America Annual Meeting, December, 1991.

Wolf GL, Walsh SJ, Rubin R, et al.: Cost-effective use of Gd-DTPA in brain MR imaging. Radiological Society of North America Annual Meeting, December, 1991.

Walsh SJ, Mehta CR, Patel NR: Exact one-sample tests. Biometric Society Meeting, April, 1990.

Walsh SJ, Mehta CR, Patel NR: Exact two-sample multivariate rank tests. American Statistical Association Joint Meetings, August, 1989.

Mehta CR, Walsh SJ: Comparison of exact and asymptotic confidence intervals for the common odds ratio across several 2x2 contingency tables. American Statistical Association Joint Meetings, August, 1988.

Walsh SJ, White WB: The rise and fall of ambulatory blood pressure. American Hypertension Society Annual Meeting, May, 1994.

IX. PROFESSIONAL SERVICE

A. Statistical Consultation Activities

2000-2001 Emerging Infections Program, managed by Connecticut Department of Public Health and Centers for Disease Control and Prevention

1991-1992 Radiological Diagnostic Oncology Group, managed by Harvard Medical School and American College of Radiology

B. Service to the University

2014- Co-Chair, Recruitment and Selection Committee, University of Connecticut School of Nursing

2011- 2013 Interim Director, Center for Nursing Scholarship, University of Connecticut School of Nursing.

2010- Member, Doctoral Admissions Committee, University of Connecticut School of Nursing.

2009-2012 Member, Promotions, Tenure, and Re-Appointment Committee, University of Connecticut School of Nursing.

2009-2011 Chair, Clinical Advancement and Re-Appointment Committee, University of Connecticut School of Nursing.

2008- Member, Academic Misconduct Board, University of Connecticut.

2006-2009 Member, Curriculum Committee, Graduate Program in Clinical and Translational Research, University of Connecticut Medical School.

2006-2008 Member, Scientific Advisory Committee, Ethel Donaghue Center for Translating Research into Practice and Policy, University of Connecticut Medical School.

2006-2008 Member, Oversight Committee, University of Connecticut Medical School.

2004-2005 Member, Search Committee, Department of Statistics, University of Connecticut.

2004-2005 Member, Biostatistics Task Force, Center for Public Health and Health Policy, University of Connecticut.

2004-2008 Director, Center for Biostatistics, University of Connecticut Medical School.

2004-2008 Member, Scientific Advisory Committee, General Clinical Research Center, University of Connecticut Medical School.

- 2002-2008 Member, Executive Committee, General Clinical Research Center, University of Connecticut Medical School.
- 2002-2008 Director, Biostatistics Core, General Clinical Research Center, University of Connecticut Medical School.
- 2000-2004 Member, Executive Committee, Department of Community Medicine, University of Connecticut Medical School.
- 1999-2003 Member, Medical School Council, University of Connecticut Medical School.
- 1998-2000 Head, Clinical Epidemiology Section, Basic Medical Science Program, University of Connecticut Medical School.
- 1998-1999 Member, Search Committee, Department of Behavioral Sciences and Community Health, University of Connecticut School of Dental Medicine.
- 1998-2008 Head, Biostatistics Section, Basic Medical Science Program, University of Connecticut Medical School.
- 1997-1998 Co-Chair, Biostatistics and Epidemiology Search Committee, Department of Community Medicine, University of Connecticut Medical School.
- 1997-1998 Member, Executive Committee, Department of Community Medicine, University of Connecticut Medical School.
- 1997 Chair, Biostatistics Strategic Planning Committee, Department of Community Medicine, University of Connecticut Medical School.
- 1996-1998 Director, Statistical and Database Core, Arthritis and Musculoskeletal Diseases Center, University of Connecticut Medical School.
- 1994-1997 Member, Search Committee for Chair of Department of Community Medicine, University of Connecticut Medical School.
- 1993-1998 Member, Epidemiology and Biostatistics Subject Committee, Basic Medical Science Program, University of Connecticut Medical School.
- 1991-1993 Member, Biostatistics, Epidemiology, and Decision Making Subject Committee, Basic Medical Science Program, University of Connecticut Medical School.

X. TEACHING EXPERIENCE

Special Topics in Doctoral Methods: Secondary Data Analysis, Doctoral Program, School of Nursing, University of Connecticut; Spring, 2013.

Special Topics in Doctoral Methods: Meta-Analysis, Doctoral Program, School of Nursing, University of Connecticut; Spring, 2012; Fall, 2015.

Health Services Statistics and Research Methods for the Scholarship of Application, Doctoral Program, School of Nursing, University of Connecticut; Fall, 2010; Fall, 2012.

Quasi and Non Experimental Design and Analysis in Nursing Research, Doctoral Program, School of Nursing, University of Connecticut; Spring, 2011; Spring 2012; Spring, 2013; Spring 2014; Spring, 2015; Spring, 2016.

Experimental Design and Analysis in Nursing Research, Doctoral Program, School of Nursing, University of Connecticut; Fall, 2010; Fall, 2011; Fall, 2012; Fall 2014; Fall, 2015.

Statistical Methods in Nursing, Master's Program, School of Nursing, University of Connecticut; Fall, 2008; Summer, 2009; Fall, 2009; Summer, 2010; Spring, 2011, Summer, 2011; Fall, 2011; Summer 2012; Summer, 2013; Summer, 2014; Summer, 2015; Summer 2016.

Principles of Clinical and Translational Research 2, Graduate Program in Clinical and Translational Research, University of Connecticut; Spring, 2008.

Principles of Clinical and Translational Research 1, Graduate Program in Clinical and Translational Research, University of Connecticut; Fall, 2007.

Topics in Intermediate Biostatistics, Graduate Program in Public Health, University of Connecticut; Fall, 2007.

4th Year Research Selective, Clinical Science Program, School of Medicine, University of Connecticut; Spring, 2001; Spring, 2002.

Evidence-Based Medicine, Clinical Science Program, School of Medicine, University of Connecticut; Fall, 1998; Spring, 1999; Fall, 1999; Spring, 2000; Fall, 2000; Spring, 2001; Fall 2001; Spring, 2002; Spring, 2003; Fall, 2004; Spring, 2005; Fall, 2005.

Clinical Epidemiology, Basic Medical Science Program, School of Medicine, University of Connecticut; Fall, 1998; Fall, 1999; Fall, 2001; Fall, 2002; Fall, 2004; Fall, 2005.

Biostatistics, Basic Medical Science Program, School of Medicine, University of Connecticut; Spring, 1998; Spring, 1999; Spring, 2000; Spring, 2001; Spring, 2002; Spring, 2003; Spring, 2004; Spring, 2005; Spring, 2006; Spring, 2007; Spring, 2008.

Statistical Testing and Study Design, Graduate Medical Education Program, School of Medicine, University of Connecticut; November, 1997; May, 1998; February, 1999; May, 1999; January, 2000; May, 2000; January, 2001; December 2001.

Introduction to Clinical Research, General Clinical Research Center, School of Medicine, University of Connecticut; Fall, 1995; Spring, 1996; Spring, 1997; Summer, 1997; Fall, 2001; Spring, 2002; Fall, 2002; Spring, 2003; Spring, 2004; Fall, 2004; Spring, 2005; Fall, 2005; Spring, 2006; Fall, 2006; Spring, 2007.

Epidemiology and Biostatistics, Basic Medical Science Program, School of Medicine, University of Connecticut; Fall, 1993; Fall, 1994; Spring, 1996; Spring, 1997.

Biostatistics, Epidemiology and Decision Making, Basic Medical Science Program, School of Medicine, University of Connecticut; Fall, 1991; Fall, 1992.

Biostatistical Research Methods, Graduate Program in Public Health, University of Connecticut; Spring, 1994; Fall, 1996.

Intermediate Statistics, Graduate Program in Public Health, University of Connecticut; Spring, 1992.

Statistical Methods in Epidemiology, Graduate Program in Public Health, University of Connecticut; Spring, 1991; Spring, 1993; Fall, 1995; Fall, 1997.