

## **CURRICULUM VITAE**

**Date Prepared**      January 5, 2012 (24 pages)

### **Personal Data**

Name:                    **Melanie M. Wall**

Birth date:             October, 21, 1971

Birthplace:            St. Louis, MO

Citizenship:          U.S.A.

Address:                Division of Biostatistics  
New York State Psychiatric Institute  
1051 Riverside Drive  
New York, NY 10032

Telephone:            (212) 543-5448

Fax:                     (212) 543-5599

Email:                   mmwall@columbia.edu

### **Academic Training**

1993   BS, Truman State University, Major: Mathematics

1995   MS, Iowa State University, Statistics

1998   Ph.D., Iowa State University, Statistics

### **Professional Organizations and Societies**

American Statistical Association, Member

International Biometrics Society, ENAR Member

## **Academic Appointments**

1993-1994	Teaching Assistant (Instructor), Department of Mathematics, Iowa State University, IA
1994-1996	Teaching Assistant (Instructor), Department of Statistics, Iowa State University, IA
1996	Summer Internship, Sandoz Pharmaceutical Company, NJ
1996-1998	Research Assistant, Center for Family Research in Rural Mental Health, Iowa State University, IA
1998-2004	Assistant Professor, Division of Biostatistics, School of Public Health, University of Minnesota, MN
2004-2010	Associate Professor with tenure, Division of Biostatistics, School of Public Health, University of Minnesota, MN
2005	Visiting scholar, l'Ecole des Mines, Fontainebleau, and l'Institut National de la Santé et de la Recherche Médicale, Paris, France
2010	Full Professor with tenure, Division of Biostatistics, School of Public Health, University of Minnesota, MN
July 2010-Present	Full Professor of Biostatistics (in Psychiatry) with tenure, Division of Biostatistics, Department of Psychiatry, and Department of Biostatistics, School of Public Health, Columbia University Medical Center, NY

## **Honors**

1996	Teaching Excellence Award, Iowa State University
2001	Recipient of Young Researcher Travel Award. Conference in Celebration of Wayne A. Fuller's 70th Birthday on June 21. Ames, IA.
2002	Delta Omega Honorary Society (Public Health)
2004	Leonard Schuman Excellence in Teaching Award, School of Public Health, University of Minnesota
2004-2007	University of Minnesota McKnight Presidential Fellow for Research and Scholarship

## **Fellowship and Grant Support**

### **Active Support:**

- 2007-2012      Project EAT III: Eating Among Teens and Young Adults  
NIH-1R01-HL084064-02  
Role: Co-Investigator (PI: Dianne Neumark-Sztainer, U of Minnesota)  
Total direct support: \$1,500,000, **10% salary support**
- 2009-2012      Multilevel latent class and social network models for observational  
adolescent obesity data  
NIH-1U01-HD061940  
Role: **Principal Investigator**  
Total direct support: \$600,000, **40% salary support**
- 2010-2014      Adverse childhood experiences, personality psychopathology, and alcohol  
disorders  
NIH-U01-AA018111-01  
Role: Statistician (PI: Deborah Hasin, Columbia University)  
Total direct support: \$468,201, **20% salary support**
- 2011-2012      Substance abuse in US Hispanics: A national study  
NIH-R01DA019606-04  
Role: Statistician (PI: Carlos Blanco, Columbia University)  
Total direct support: \$152,253, **10% salary support**

### **Past Support:**

- 1999-2000      Allina's Human Resources Study (Funding agency: Allina Foundation)  
Role: Co-Investigator (PI: Pat McGovern, U of Minnesota)  
Total direct support: \$35,000
- 1999-2000      Nonlinear latent variable modeling (Funding agency: University of  
Minnesota Grant-in-Aid)  
Role: **Principal Investigator**  
Total direct support: \$23,849
- 1999-2001      Factors Associated with Nutritional Intake in Adolescents (Project EAT 1)  
(Funding agency: Maternal Child Health Bureau)  
Role: Statistician (PI: Dr. Dianne Neumark-Sztainer, U of Minnesota)  
Total direct support: \$719,981

1999-2004 Minnesota Center for Excellence in Health Statistics (Funding agency: National Center for Health Statistics)  
Role: **Principal Investigator of subcontract**  
(PI: John Oswald, MN Health Dept)  
Total direct support: \$945,562

2000- 2002 Alcohol Abuse Treatment Outcomes Managed Care  
(Funding agency: NIH-NIAAA)  
Role: Co-Investigator (PI: Robert Kane, U of Minnesota)  
Total direct support: \$800,425

2001-2004 Quality of Life in Children Who Survived Neuroblastoma (Funding agency: American Cancer Society)  
Role: Co-Investigator (PI: Dr. James Gurney, U of Minnesota)  
Total direct support: \$597,975

2001-2007 Project EAT II (Funding agency: Maternal Child Health Board)  
Role: Co-Investigator (PI: Dianne Neumark-Sztainer, U of Minnesota)  
Total direct support: \$1,200,000

2002-2003 Characterizing Anthrax Patterns in Minnesota to Predict Future Outbreaks and Ensure Preparedness (Funding agency: University of Minnesota)  
Role: Co-Investigator (PI: Jeff Bender, U of Minnesota)  
Total direct support: \$25,000

2002-2003 Incorporating Contributing Conditions at Death into Mortality Data Analysis (Funding agency: Minnesota Medical Foundation)  
Role: **Principal Investigator**  
Total direct support: \$12,629

2003-2004 Minnesota Department of Health Annual Plan - Syndromic Surveillance  
(Funding agency: Center for Disease Control)  
Role: **Principal Investigator**  
Total direct support: \$10,000

2003-2007 Statistical Methods in Cancer Control and Epidemiology  
(Funding agency: NIH-NCI)  
Role: Co-Investigator (PI: Brad Carlin, U of Minnesota)  
Total direct support: \$1,397,574

2005-2009 Latent variable models and methods for behavioral health data in public health (Funding agency: NIH-NIAAA-1R01-AA014924-03)  
Role: **Principal Investigator**  
Total direct support: \$400,000

- 2006-2009      Examining the Obesity Epidemic through Youth, Family, and Young Adults (TREC, COREB)  
(Funding agency: NIH-U54CA116849)  
Role: Statistician (PI: Simone French, Robert Jeffreys, U of Minnesota)  
Total direct support: \$1,394,194
- 2007-2009      Developing pregnancy weight gain charts (Funding agency: UCare Medical Foundation and Health Partners Grants initiative)  
Role: Co-Investigator (PI: Patricia Fontaine, U of Minnesota)  
Total direct support: \$375,000
- 2007-2009      Mindfulness Meditation versus Pharmacotherapy for Chronic Insomnia: Pilot Study (Funding agency: Minnesota Academic Health Center faculty research development grant)  
Role: Co-Investigator (PI: Cynthia Gross, U of Minnesota)  
Total direct support: \$200,000
- 2007-2010      An intervention to improve expression of end of life preferences for homeless people  
(Funding agency: NIH-1R01-NR009815)  
Role: Co-Investigator (PI: John Song, U of Minnesota)  
Total direct support: \$450,000
- 2008-2010      Household and Neighborhood Food Choices  
(Funding agency: NIH-1R21-CA137240)  
Role: Co-Investigator (PI: Simone French, U of Minnesota)  
Total direct support: \$125,000
- 2009-2010      Association between behavioral disturbances and nursing home admission in patients with Alzheimer's disease  
(Funding agency: Eli Lilly and Co.)  
Role: Co-investigator (PI: Joseph Gaugler, U of Minnesota)  
Total direct support: \$109,205
- 2009-2010      Project F-EAT: Families and Eating Activity in Teens  
(Funding agency: NIH - R01 HL093247)  
Role: Co-Investigator (PI: Dianne Neumark-Sztainer, U of Minnesota)  
Total direct support: \$300,000

## **Departmental and University Committees**

1998-2000	Curriculum Committee, Division of Biostatistics, University of Minnesota
1998-2001	Chair, Seminar Committee, Division of Biostatistics, University of Minnesota
1999	Research Associate, Search Committee, Division of Biostatistics, University of Minnesota
1999	Social and Behavioral Science Core Course Committee, School of Public Health, University of Minnesota
1999	Student Awards Committee, Division of Biostatistics, University of Minnesota
1999-2000	Asst/Assoc/Full Professor Search Committee, Division of Biostatistics, University of Minnesota
2000	Advancement, Promotion and Tenure Ad Hoc Committee, School of Public Health, University of Minnesota
2000-2004	Recruiting Committee, Division of Biostatistics, University of Minnesota
2000-2004	Chair, Curriculum Committee, Division of Biostatistics, University of Minnesota
2001-2002	Asst/Assoc/Full Professor Search Committee, Division of Biostatistics, University of Minnesota
2002-2003	SPH Orientation Week, School of Public Health, University of Minnesota
2002-2003	Asst/Assoc/Full Professor Search Committee, Division of Biostatistics, University of Minnesota
2002-2004	Major Chair of Biostatistics, Educational Policy Council, School of Public Health, University of Minnesota
2003	Committee on Undergraduate Education, School of Public Health, University of Minnesota
2003-2004	Asst/Assoc/Full Professor Search Committee, Division of Biostatistics, University of Minnesota

2006-2008	Director of Graduate Studies, Division of Biostatistics, University of Minnesota
2006-2010	Admissions Committee, Division of Biostatistics, University of Minnesota
2006-2010	Recruiting Committee, Division of Biostatistics, University of Minnesota
2006-2010	Student Awards Committee, Division of Biostatistics, University of Minnesota
2007-2008	Chair, Joint Biostatistics and Epidemiology Assistant/Associate Search Committee, University of Minnesota
2008-2010	Advancement, Promotion, and Tenure Committee, School of Public Health, University of Minnesota
2011-present	Biostatistics in Psychiatry Seminar Chair, Columbia University NYSPI

**Teaching Experience and Responsibilities**

1998	Biostatistics I, University of Minnesota, 99 students
1999	Biostatistics I, University of Minnesota, 26 students
1999	Spatial Biostatistics, University of Minnesota, 10 students
2000	Biostatistics I, University of Minnesota, 35 students
2000	Latent Variable Measurement Modeling and Path Analysis, University of Minnesota, 26 students
2001	Latent Variable Measurement Modeling and Path Analysis, University of Minnesota, 11 students
2001	Spatial Biostatistics, University of Minnesota, 9 students
2002	Biostatistical Methods I, University of Minnesota, 24 students
2002	Latent Variable Measurement Modeling and Path Analysis, University of Minnesota, 16 students
2003	Biostatistics I, University of Minnesota, 115 students
2003	Latent Variable Measurement Modeling and Path Analysis, University of Minnesota, 27 students

- 2004 Latent Variable Measurement Modeling and Path Analysis, University of Minnesota, 25 students
- 2006 Latent Variable Measurement Modeling and Path Analysis, University of Minnesota, 22 students
- 2007 Latent Variable Measurement Modeling and Path Analysis, University of Minnesota, 35 students
- 2008 Latent Variable Measurement Modeling and Path Analysis, University of Minnesota, 39 students
- 2009 Biostatistical Models and Methods, University of Minnesota, 19 students
- 2010 Biostatistical Models and Methods, University of Minnesota, 21 students
- 2011 Guest lecture in two different courses (Columbia University): School of Public Health: Alcohol and Drug Epidemiology Course (Prof: Hasin) and Psychiatric Institute Statistical methods training (Prof: Vosburg). Lecture entitled: “Item response theory and more: Empirical methods for developing and accessing questionnaires or symptom checklists for measuring latent variables”
- 2012 New biostatistics course (3 credits, Spring 2012 Columbia University): Latent variable and structural equation modeling for health sciences, currently 14 students pre-enrolled

### **Student Thesis Advising**

- 1999-2010 Thesis Examination Committee, University of Minnesota, 19 Master students, 28 Ph.D. students
- 1999-2010 **Master’s Thesis Sponsorship**, University of Minnesota, primary advisor for 21 biostatistics Master students writing a Master’s thesis.
- 2001-present **Ph.D. Thesis Sponsorship**, Primary dissertation advisor for:
- Fujun Wang graduated 2002, Ph.D. in biostatistics, U of Minnesota
  - Xuan Liu graduated 2005, Ph.D. in biostatistics, U of Minnesota
  - Jia Guo graduated 2006, Ph.D. in biostatistics, U of Minnesota
  - Nicholas Salkowski graduated 2011, Ph.D. in biostatistics, U of Minnesota
  - Gary Yu ongoing (2011-present), Dr.Ph. in biostatistics, Columbia University

## **Training Fellowships Sponsored/Mentored**

- 2007-2010 Mentor, NIH CAPS Fellowship winner, Examine pharmacodynamics in overweight children (L'Aurette Johnson, Asst Prof, U of Minnesota)
- 2007-2010 Mentor, NIH-NCI K Award recipient, High school wellness committee policies as they relate to adolescent outcomes (Susie Nanney, Asst Prof, U of Minnesota)
- 2008-2010 Mentor, BIRCH Fellowship winner, Models for family structure and dynamics influencing obesity in adolescents (Jessica Berge, Asst prof, U of Minnesota)
- 2009-present Mentor, NIH-K02 Award recipient, Applying Latent Variable Modeling to Comorbidity Treatments Research (Matt Kushner, Assoc Prof, U of Minnesota)
- 2010-present Research Supervisor/Mentor, Modeling adolescent peer friendship network relationships in health outcome (Jin Joo Shim, Biostatistics Masters student Columbia University)
- 2010-present Research Supervisor/Mentor (co-mentor with Dr. Rogerio Pinto, Sociology Columbia University), Predicting interagency collaboration in HIV community centers (Gary Yu, Biostatistics PhD student Columbia University)
- 2011 Faculty mentor for two undergraduate students in the "BEST" diversity program in Biostatistics, (Columbia University).
- 2011-present Research Supervisor/Mentor, Expanding methods for item response theory modeling of psychiatric disorders (Jung Yeon Park, Ph.D. student, Teachers' College, Columbia University)
- 2011-present Mentor, Research Training Program in Psychiatric Epidemiology at Columbia University NIMH (T32MH013043), PI: Bruce Link

## **Academic Presentations** (25 selected from 61)

### *National Conference Presentations:*

1. "Comparing Alternative Psychiatric Diagnostic Criteria sets using Item Response Theory with Total Information Curves", Joint Statistical Meeting, Miami Beach, FL, August 2011.
2. "Spatial latent class analysis model for spatially distributed multivariate binary data", International Biometric Society ENAR Spring meeting, Miami, FL, March 2011. Invited.

3. "A structured latent class model versus a factor mixture model for exploring clusters of obesogenic behaviors and environments in adolescents," International Biometric Society ENAR Spring meeting, New Orleans, LA, March 2010.
4. "Nonlinear structural equation modeling as a statistical method," 20th Annual Convention of the Association for Psychological Science, Chicago, IL, May 2008. Invited.
5. "Analysis of outcomes measured through multiple imperfect sources - Latent Class Modeling," Society of Epidemiologic Research, Boston, MA, June 2007. Invited.
6. "Multiple latent class models," International Biometric Society ENAR Spring meeting, Atlanta, GA, March 2007. Invited.
7. "Multivariate Hidden Markov processes: Application to coronary vascular disease progression," IBS ENAR Spring meeting, Tampa Bay, FL, March 2006.
8. "A review of nonlinear factor analysis methods," Factor Analysis at 100: Historical developments and future directions. Special conference in honor of 100th year anniversary of Charles Spearman's 1904 paper on factor analysis, Chapel Hill, NC, May 13-15, 2004. Invited.
9. "Latent predictors of repeated clinical measures - Applications to Behavioral risk factors and lung function among youth with cystic fibrosis." International Biometric Society ENAR Spring Meeting, Pittsburgh, PA, March 29, 2004.
10. "The general common spatial factor model." International Biometric Society WNAR Spring Meeting, Golden, CO, June 24, 2003. Invited.
11. "Latent predictors of latent classes - An eating disorder example." International Biometric Society ENAR Spring Meeting, Tampa, FL, April 1, 2003.
12. "Modeling multivariate data with a common spatial factor." The Joint Statistical Meetings, Section on Survey Research Methods and Section on Health Policy Statistics, New York, NY, August 15, 2002. Invited.
13. "Estimation for the structural equation model with a cross-product term." The Joint Statistical Meetings, Session on Statistical Issues in Nonlinear Errors-in-Variables Problems, Indianapolis, IN, August 17, 2000. Invited.

*Invited Departmental Seminars:*

14. "Spatially distributed latent variable models" Departments of Psychology and Statistics, Ohio State University "Wherry Lecture", April 2011.

15. "Developing Criteria for a new disorder in DSM5" Department of Sociology, Columbia University, co-presentation with Kathy Shear, October 2010.
16. "Clustering Variables Clustering Individuals – Examining factor mixture models and a new structured latent class method" Department of Psychiatry, Division of Biostatistics. Columbia University, September 2010.
17. "Nonlinear structural equation modeling as a statistical method," Department of Biostatistics. Columbia University, March 2009.
18. "Structural equation modeling of latent classes," Department of Psychiatry, Division of Biostatistics. Columbia University, January 2009.
19. "Extension to structural equation modeling," Department of Biostatistics, MD Anderson Cancer Center, Houston TX, December 2008.
20. "Modeling multiple latent classes," Division of Research, Hebrew Senior Life Institute for Aging Research, Boston, March 2008.
21. "Structural equation modeling of latent classes," Department of Statistics, North Carolina State University, November 2007.
22. "Spatial structural equation modeling," Département de Géostatistique, l'Ecole des Mines, Fontainebleau, France, March 2005.
23. "Generalized common spatial factor model" Division of Biostatistics, Brown University, Providence, RI, Feb 10, 2003.

*Other Invited Scientific/Professional Presentations:*

24. "Multilevel Latent Class and Social Network Models for Observational Adolescent Obesity Data". National Collaborative on Childhood Obesity Research (NCCOR) Envision Summit, Washington DC September 2010.
25. "Using geographic information in the analysis of public health data." Maternal and Child Health Institute: Addressing Health Disparities Conference, Minneapolis, MN, June 27, 2002.

### **Other Professional Activities**

- 2000 Conference developer and organizer, Minnesota Conference on Measurement and Assessment of Health Disparities, first annual conference held May 2000.
- 2000 Roundtable for organizing the Conference on Adolescent Health, School of Public Health, University of Minnesota
- 2003 National Science Foundation (NSF) statistical methods grant review (1 proposal)
- 2003-2004 National Institute of Health (NIH) Clinical Cardiovascular Science (CCVS) study section
- 2003-2006 Data Safety and Monitoring Board (DSMB), Islet transplantation in diabetic patients (PI: Bernhard J. Hering, University of Minnesota)
- 2004 Session Organizer, "Latent Variable modeling in the health sciences," Joint Statistical Meetings, Toronto Canada, August 5
- 2007 National Institute of Health (NIH-NIAAA) Special review panel for RFA-Mechanisms of behavior change in the treatment of alcohol use disorders
- 2006-2011 National Institute of Health (NIH) Biostatistical methods and research design (BMRD) study section
- 2008-2011 Associate Editor, The American Statistician
- 2011-present Consulting Editor, Psychological Methods
- 2011-present National Science Foundation (NSF) Measurement, Methodology and Statistics scientific review panel

## **Bibliography**

An asterisk (\*) is used to denote first or senior author.

### **Peer Reviewed Articles**

#### **1998**

1. Spoth RL, Redmond C, Shin C, Lepper HA, Haggerty K, Wall MM. Risk moderation of parent and child outcomes in a preventive intervention: A test and replication, *American Journal of Orthopsychiatry*, 68, 565-579. 1998.

#### **2000**

2. \*Wall MM, and Amemiya Y. Estimation for polynomial structural equation models, *Journal of the American Statistical Association*, 95, 929-940. 2000.

#### **2001**

3. \*Wall MM, and Amemiya Y. Generalized appended product indicator procedure for fitting polynomial structural models, *Journal of Educational and Behavioral Statistics*, 26, No. 1, 1-29. 2001.

4. \*Wall MM, Boen JR, and Tweedie RL. An effective confidence interval for the mean with samples of size 1 and 2, *The American Statistician*, 55, 102-105. 2001.

#### **2002**

5. Pan W and Wall MM. Approximate inferences using the sandwich variance estimator in generalized estimating equations, *Statistics in Medicine*, 21, No. 10, 1429-1441. 2002.

6. Irving L, Wall MM, Neumark-Sztainer D, and Story M. Steroid use among adolescents: Findings from Project EAT, *Journal of Adolescent Health*, 30, 243-252. 2002.

#### **2003**

7. \*Wall MM and Amemiya YA. A method of moments technique for fitting interaction effects in SEM, *British Journal of Mathematical and Statistical Psychology*, 56, 47-63. 2003.

8. \*Wang F and Wall MM. Generalized common spatial factor model, *Biostatistics*, 4(4), 569-582. 2003.

9. \*Wang F and Wall MM. Incorporating parameter uncertainty into prediction intervals for spatial data modeled via a parametric variogram, *Journal of Agricultural, Biological, and Environmental Statistics*, 8(3), 296-309. 2003.
10. \*Wall MM and Li R. A comparison of multiple regression to two latent variable techniques for estimation and prediction, *Statistics in Medicine*, 22:3671-3685. 2003.
11. Banerjee S, Wall MM, and Carlin B. Frailty modeling for spatially correlated survival data, with application to infant mortality in Minnesota, *Biostatistics*, 4, 123-143. 2003.
12. Neumark-Sztainer D, Wall MM, Story M, and Perry C. Correlates of unhealthy weight control behaviors among adolescent girls and boys: Implications for the primary prevention of disordered eating, *Health Psychology*, 22(1), 88-99. 2003.
13. Neumark-Sztainer D, Wall MM, Perry C, Story M. Correlates of fruit and vegetable intake among adolescents: Findings from Project EAT, *Preventive Medicine*, 37, 198-208. 2003.
14. Utter J, Neumark-Sztainer D, Wall MM, Story M. Reading magazine articles about dieting and associated weight control behaviors among adolescents *Journal of Adolescent Health*, 32, 78-82. 2003.

## **2004**

15. \*Wall MM. A close look at the spatial structure implied by the CAR and SAR models. *Journal of Statistical Planning and Inference*, 121, 2, 311-324. 2004.
16. \*Zhao Y and Wall MM. Investigating the use of the variogram for lattice data. *Journal of Computational and Graphical Statistics*. Vol 3, 3. 2004.
17. \*Wall MM, Stromberg K, Potthoff S, Kane R. Defining Alcoholism Treatment Episodes from Mental Health Care Utilization Records. *Journal of Clinical Epidemiology*, 57, 373-380. 2004.
18. \*Wall MM. Adjusting SIDS rates by seasonality in births in Minnesota. *Statistics in Medicine*. 23(13): 2037-2048. 2004.
19. Kelly A, Wall MM, Eisenberg M, Story M, Neumark-Sztainer D. Adolescent girls with high body satisfaction: Who are they and what can they teach us? *Journal of Adolescent Health*, 34(2), 129. 2004.
20. Kane R, Wall MM, Potthoff S, McAlpine D. Isolating the effect of alcoholism treatment on medical care use, *Journals of Studies on Alcohol*, 65(6), 758-765. 2004.

21. Ness K, Gurney J, Wall MM, Olsen R, Boergerhoff L. Screening for risk of falling in community- dwelling elderly people may increase fear of falling. *Journal of Geriatric Physical Therapy*, 2, 100-104. 2004.
22. Findorff M, McGovern PM, Wall MM, Gerberich S, Alexander B. Risk factors for work-related violence in a health care organization. *Injury Prevention*, 10(5), 296-302. 2004.
23. Neumark-Sztainer D, Goeden C, Story M, Wall MM. Associations between body satisfaction and physical and sedentary activities in a population-based sample of adolescent girls and boys. *Eating Disorders: The Journal of Treatment and Prevention*, 12:125-137. 2004.
24. Neumark-Sztainer D, Wall MM, Story M, Fulkerson JA. Are family meal pattern associated with disordered eating behaviors among adolescents? *Journal of Adolescent Health*, 35, 350-359. 2004.
25. Jones-Webb R, Yu X, O'Brien J, Hannan P, Wall MM, Oswald J. Does Socioeconomic Position Moderate the Effects of Race on Cardiovascular Disease Mortality? *Journal of Ethnicity and Disease*, 14(4). 2004.
26. Kane R, Wall MM, Potthoff S, Stromberg K, Dai J, Meyer Z, The effect of alcohol treatment on medical use. *Medical Care* 42(4), 395-402. 2004.
27. Denny S, Clark T, Flemming T, and Wall MM. Emotional resilience: risk and protective factors for depression among alternative education students in New Zealand. *American Journal of Orthopsychiatry*, Vol 74(2), 137-149. 2004.

## **2005**

28. \*Wall MM, Dai Y, Eberly LE. GEE Estimation of a Mis-specified time-varying covariate in Poisson regression with many observations, *Statistics in Medicine*, 24:925-939. 2005.
29. \*Wall MM, Huang J, Oswald J, Dalin D. Factors associated with reporting multiple causes of death, *Biomedical Central Medical Research Methodology*. 5:4. 2005.
30. \*Friedman L, Wall MM. Graphical views of suppression and multicollinearity in multiple linear regression, *The American Statistician*, vol. 59, no. 2, pp. 127 - 136. 2005.
31. \*Liu X, Wall MM, Hodges J. Generalized spatial structural equation models, *Biostatistics*, 6, 539-557. 2005.
32. Patterson J, Erickson J, Wall MM. Risk behaviors and emotional well-being in youth with chronic health conditions, *Children's Health Care* 34(3), 181-192. 2005.

33. Himes J, Hannan P, Wall MM, Neumark-Sztainer D. Factors associated with errors in self-reports of stature, weight, and body mass index in Minnesota adolescents, *Annals of Epidemiology*, 15(4), 272-278. 2005.
34. Findorff M, McGovern PM, Wall MM, Gerberich S. Reporting violence to a health care employer, *Journal of the American Association of Occupational Health Nurses*, 53(9), 399-407. 2005.
35. Ness K, Mertens A, Hudson M, Wall MM, Leisenring W, Oeffinger K, Sklar C, Robison L, Gurney J. Limitation on physical performance and daily activities among long-term survivors of childhood cancer. *Annals of Internal Medicine*, 143(9), 639-647. 2005.
36. Hanson N, Neumark-Sztainer D, Eisenberg M, Story M, Wall MM. Associations between parental report of the home food environment and adolescent intakes of fruits, vegetables and dairy foods. *Public Health Nutrition* 8(1), 77-85. 2005.

## **2006**

37. \*Guo J, Wall MM, Amemiya Y. Latent class regression on latent factors. *Biostatistics*, 7(1), 145-163. 2006.
38. Croll J, Neumark-Sztainer D, Story M, Wall MM, Perry C, Harnack L. Adolescents involved in weight related and power team sports have better eating patterns and nutrient intakes than non- sport-involved adolescents. *Journal of the American Dietetic Association*. 106, 709-717. 2006.
39. Larson NI, Story M, Wall M, Neumark-Sztainer D. Calcium and dairy intakes of adolescents are associated with their home environment, taste preferences, personal health beliefs, and meal patterns. *Journal of the American Dietetic Association* 106, 1816-1824. 2006.
40. Neumark-Sztainer D, Wall MM, Eisenberg M, Story M, Hannan P. Overweight status and weight control behaviors in adolescents: Longitudinal and secular trends from 1999-2004. *Preventative Medicine*, 43, 52-59. 2006.
41. Ness KK, Wall MM, Oakes JM, Robison LL, Gurney JG. Physical performance limitations and participation restrictions among cancer survivors: a population-based study. *Annals of Epidemiology*, 16(3), 197-205. 2006.
42. Neumark-Sztainer D, Wall MM, Guo J, Story M, Haines J, Eisenberg M. Obesity, disordered eating, and eating disorders in a longitudinal study of adolescents: How do dieters fare five years later? *Journal of the American Dietetic Association*, 106(4), 559-568. 2006.

43. Eisenberg ME, Neumark-Sztainer D, Haines J, Wall MM Weight-teasing and emotional well-being in adolescents: Longitudinal findings from Project EAT. *Journal of Adolescent Health*, *Journal of Adolescent Health*, 38, 675-683. 2006.

## **2007**

44. Vandenberg P, Paxton SJ, Keery H, Wall MM, Guo J, Neumark-Sztainer D. Body dissatisfaction and body comparison with media images in males and females. *Body Image*. 4(3), 257-268. 2007.

45. Haines J, Neumerk-Sztainer D, Wall MM, Story M. Personal, behavioral, and environmental risk and protective factors for adolescent overweight. *Obesity*. 15, 2748-2760. 2007.

46. Vandenberg P, Neumark-Sztainer D, Cafri G, Wall MM. Steroid use among adolescents: Longitudinal findings from Project EAT. *Pediatrics*, 119, 476-486. 2007.

47. Neumark-Sztainer D, Wall MM, Sherwood N. Shared risk and protective factors for obesity and disordered eating in adolescents. *American Journal of Preventive Medicine*, 33(5), 359-369. 2007.

48. Neumark-Sztainer D, Wall MM, Haines J, Story M, Eisenberg M. Why does dieting predict weight gain in adolescents? Findings from Project EAT-II: A five-year longitudinal study. *Journal of the American Dietetic Association*, 107:448-455. 2007.

49. Schryver T, Smith C, Wall MM. Self-identities and BMI of Minnesota soy consumers and non-consumers. *Obesity Research*, 15, 1101-1106. 2007.

## **2008**

50. French SA, Shimotsu ST, Wall MM, Gerlach A. Capturing the spectrum of household food and beverage purchasing behavior: A review. *Journal of the American Dietetic Association*, 108(12): 2051-2058. 2008.

51. Jones-Webb R and Wall MM. Neighborhood Racial/Ethnic Concentration, Social Disadvantage, and Homicide Risk: An Ecological Analysis of 10 Cities. *Journal of Urban Health*. July 2008.

52. Song J, Wall MM, Ratner E, Bartels D, Ulvestad N, Uuutala M. Engaging Homeless Persons in End of Life Preparations. *Journal of General Medicine*, 23(12): 2031-45. 2008.

53. Bartels D, Ulvestad N, Ratner E, Wall MM, Uutala M, Song J. Dignity Matters: Advance Care Planning for People Experiencing Homelessness. *Journal of Clinical Ethics*. 214-221, Fall 2008.

54. Larson N, Neumark-Sztainer D, Story M, Wall MM, Harnack L, Eisenberg M. Fast Food Intake: Longitudinal Trends during the Transition to Young Adulthood and Correlates of Intake. *Journal of Adolescent Health*, 43:79-86. 2008
55. Larson N, Neumark-Sztainer D, Harnac L, Wall MM, Story M, Eisenberg M. Fruit and vegetable intake correlates during the transition to young adulthood, *American Journal of Preventive Medicine*, 35(1):33-37. 2008.
56. Patterson J, Wall MM, Berge J, Milla C. Gender differences in living with cystic fibrosis: Development of a new questionnaire. *Journal for Cystic Fibrosis*. 7(2): 154-164. 2008.
57. Jones-Webb R, McKee P, Hannan P, Wall MM, Pham L, Erickson D, Wagenaar A. Malt Liquor, Alcohol Availability and Promotion, and Homicide in Inner Cities. *Substance Use and Misuse*, 43, 159-177. 2008.
58. Neumark-Sztainer D, Wall MM, Story M, van den Berg P. Accurate parental classifications of overweight adolescents' weight status: Does it matter? *Pediatrics*, 121:e1495-1502. 2008.

## 2009

59. \*Wall MM and Liu X. Spatial latent class analysis model for spatially distributed multivariate binary data. *Computational and Statistical Data Analysis*, 53, 3057-3069. 2009.
60. \*Wall MM and Li R. Multiple indicator hidden Markov model with an application to medical utilization data. *Statistics in Medicine*, 28(2):293-310. 2009.
61. Neumark-Sztainer D, Wall MM, Story M, Sherwood N. Five-year longitudinal predictive factors for disordered eating in a population-based sample of overweight adolescents: Implications for prevention and treatment. *International Journal of Eating Disorders*, 42, 664-672. 2009.
62. Potegal M, Carlson G, Margulies D, Gutkovitch Z, Wall MM. Rages or temper tantrums? The behavioral organization, temporal characteristics, and clinical significance of angry-agitated outbursts in child psychiatry inpatients. *Child Psychiatry and Human Development*, 40(4), 621. 2009.
63. Larson N, Neumark-Sztainer D, Harnac L, Wall MM, Story M, Eisenberg M. Calcium and Dairy Intake: Longitudinal trends during the transition to young adulthood and correlates of calcium intake. *Journal of Nutrition Education and Behavior*, 41(4), 254-260. 2009.
64. Linde J, Wall MM, Neumark-Sztainer D, Haines J. Predictors of initiation and persistence of unhealthy weight control behaviors in adolescents. *International Journal of Behavioral Nutrition and Physical Activity*, 6: 72. 2009.

65. Walters S, Barr-Anderson D, Wall MM, Neumark-Sztainer D. Does participation in organized sports predict future physical activity for adolescents from diverse economic backgrounds? *Journal of Adolescent Health*, 44(3), 268-275. 2009.
66. Sherwood NE, Wall MM, Neumark-Sztainer D, Story M. Is socioeconomic status a risk or protective factor for unhealthy weight gain? A five-year longitudinal study of weight change patterns among adolescents. *Preventing Chronic Disease*, 6(1), 2009.
67. Patterson JM, Wall MM, Berge J, Milla C. Associations of psychosocial factors with health outcomes among youth with cystic fibrosis. *Pediatric Pulmonology*. Jan; 44(1):46-53. 2009.
68. Jones-Webb R, Yu X, Wall MM, Cui Y, Hellerstedt W, Oswald J. Race, Socioeconomic Status and Premature Mortality. *Online Minnesota Medicine*. Feb 2009.
69. Gurses A, Carayon P, Wall MM. Impact of performance obstacles on intensive care nurses' workload, perceived quality and safety of care, and quality of working life. *Health Services Research*, 44, No. 2p1, 422-443. 2009.
70. Potegal M, Carlson G, Marguiles D, Basile J, Gutkovich Z, Wall MM. The behavioral organization, temporal characteristics, and diagnostic concomitants of rage outbursts in child psychiatric inpatients. *Current Psychiatry Reports*, 11: 127-133. 2009.
71. Robinson R, Perry C, Wall MM, Story M, Neumark-Sztainer D. Adolescent and young adult vegetarianism: better dietary intake and weight outcomes but increased risk of disordered eating behaviors. *Journal of the American Dietetic Association*, 109(4): 648-655. 2009.
72. Phelan S, Burgess D, Wall MM, van Ryn M. Understanding primary care physicians treatment of chronic low back pain: The role of physician and practice factors. *Pain Medicine*, 10(7): 1270-1279. 2009.
73. French SA, Wall MM, Mitchell NR, Shimotsu S, Welsh E. Annotated Receipts Capture Household Food Purchases From a Broad Range of Sources. *International Journal of Behavioral Nutrition and Physical Activity*, 6: 37. 2009.

## **2010**

74. \*Lee CY, Winters KC, Wall MM. Trajectories of substance use disorders in youth: Identifying and predicting group memberships. *Journal of Child and Adolescent Substance Abuse*, 19, 135-157. 2010.
75. Fox C, Barr-Anderson D, Wall MM, Neumark-Sztainer D. Physical activity and sports team participation: Associations with academic outcomes in middle school and high school students. *Journal of School Health*, 80(1). 2010.

76. Kubik M, Wall MM, Shen L, Nanney S, Nelson M, Story M. State but not district nutrition policies are associated with less 'junk food' in vending machines and school stores in US public schools. *Journal of the American Dietetic Association*, 110(7): 1043-1048. 2010.
77. Nanney MS, Nelson TF, Wall MM, Haddad T, Kubik MY, Nelson M, Story M. State school nutrition and physical activity policy environments and youth obesity. *American Journal of Preventive Medicine*, 38(1), 9-16. 2010.
78. Nixdorf DR, John MT, Wall MM, Friction JR, Schiffman EL. Psychometric properties of the modified Symptom Severity Index (SSI). *Journal of Oral Rehabilitation*, 37, 11-20. 2010.
79. Song J, Wall MM, Ratner ER, Bartels DM, Ulves N, Petroskas D, West M, Waber-Matin A, Gelberg L. Effect of an end of life planning intervention on the completion of advance directives among homeless persons: A randomized trial. *Annals of Internal Medicine*, 153(2): 76-84. 2010.
80. Rheault MN, Kren SM, Hartich L, Wall MM, Thomas W, Mesa HA, Avner P, Lees GE, Kashtan CE, Segal Y. X-inactivation modifies disease severity in female carriers of urine X-linked alport syndrome. *Nephrology Dialysis Transplantation*, 25(3): 764-769. 2010.
81. Berge JM, Wall MM, Neumark-Sztainer D, Larson N. Parenting style and family meals: Cross sectional and 5-year longitudinal associations. *Journal of the American Dietetic Association*, 110(7): 1036-1042. 2010.
82. Berge JM, Wall MM, Loth K, and Neumark-Sztainer D. Parenting style as a predictor of adolescent weight and weight-related behaviors. *Journal of Adolescent Health*, 46(4): 331-338. 2010.
83. Berge JM, Wall MM, Bauer K, Neumark-Sztainer D. Parenting characteristics in the home environment and adolescent overweight: A latent class analysis. *Obesity*, 18(4): 818-825. 2010.
84. Murdoch M, Pryor J, Polusny MA, Wall MM, Cowper-Ripley D, Gackstetter GD. The association between military sexual stress and psychiatric symptoms after controlling for other stressors. *Journal of Psychiatric Research*. 44(16):1129-36. 2010.
85. Gaugler J, Wall MM, Kane RL, Menk JS, Sarsour K, Johnston JA, Beusching D, Newcomer R. The effects of incident and persistent behavioral problems on change in caregiver burden and nursing home admission. *Medical Care*. 48(10):875-83. 2010
86. Puumala SE, Spector LG, Wall MM, Robison LL, Heerema NA, Roesler MA, Ross JA. Null associations between infant leukemia and parental infertility or its treatment: a Childrens' Oncology Group Report. *Human Reproduction*. 25(6): 1561-1568. 2010.

## 2011

87. Simon N, Wall MM, Keshaviah A, Dryman M, LeBlanc N, Shear K. Informing the symptom profile for Complicated Grief. *Depression and Anxiety*. 28(2) 118-126. 2011.
88. Shear K, Simon N, Wall MM, et al. (25 co-authors) Complicated grief and related bereavement issues for DSM-5. *Depression and Anxiety*. 28(2) 103-117. 2011.
89. Glomb TM, Bhawe D, Miner A, Wall MM. Doing good, feeling good: Examining the role of organizational citizenship behaviors changing mood. *Personnel Psychology*. 64(1), 191-223. 2011.
90. Neumark-Sztainer D, Wall MM, Eisenberg M, Loth K. Yoga and Pilates: Associations with body image and disordered eating behaviors in a population-based sample of young adults. *International Journal of Eating Disorders*, 44(3), 276-280. 2011.
91. Gross CR, Kreitzer MJ, Reilly-Spong M, Wall MM, Winbush NY, Patterson R, Mahowald M, Cramer-Bornemann MA. Trial of mindfulness versus pharmacotherapy for primary chronic insomnia. *Explore: The Journal of Science and Healing*, 7(2), 76-87. 2011.
92. Loth K, Mond J, Wall MM, Neumark-Sztainer D. Weight status and emotional well-being: Longitudinal findings from Project EAT. *Journal of Pediatric Psychology*, 36(2), 216-225. 2011.
93. Gaugler J, Wall MM, Kane RL, Menk JS, Sarsour K, Johnston JA, Schuh K, Newcomer R. Does Caregiver Burden Mediate the Effects of Behavioral Disturbances on Nursing Home Admission? *American Journal of Geriatric Psychiatry*, 19:6, 497-506. 2011.
94. Welsh, EM, French SA, Wall MM. Examining the relationship between family meal frequency and individual dietary intake: Does family cohesion play a role? *Journal of Nutrition Education and Behavior*, 43(4): 229-235. 2011.
95. Larson N, Neumark-Sztainer D, Harwood E, Eisenberg M, Wall MM, Hannan P. Do young adults participate in surveys that 'go green'? Response rates to a web and mailed survey of weight-related behaviors. *International Journal of Child Health and Human Development*, 4(2), 225-231. 2011.
96. Puumala SE, Ross JA, Wall MM, Spector LG. Pediatric germ cell tumors and parental infertility and infertility treatment: a Children's Oncology Group Report. *Cancer Epidemiology*. 1-7. 2011.
97. Loth KA, Bauer K, Wall MM, Berge J, Neumark-Sztainer D. Body satisfaction during pregnancy. *Body Image*, 8(3): 297-300. 2011.

98. Boschloo L, van den Brink D, Pennin B, Wall MM, Hasin D. Alcohol-use disorder severity prospectively predicts the first-incidence of depressive disorders in the United States. *Psychological Medicine*, 1-9. 2011.
99. \*Wall MM, Poh E, Cerda M, Keyes K, Galea S, Hasin D. Adolescent marijuana use from 2002 to 2008: higher in states with medical marijuana laws, cause still unclear. *Annals of Epidemiology*, 21:714-716, 2011.

### **In Press**

100. Neumark-Sztainer D, Wall MM, Larson N, Eisenberg M, Loth K. Disordered eating behaviors from adolescence to young adulthood: Findings from a 10-year longitudinal study. Accepted and to appear in *Journal of the American Dietetic Association*.
101. Shmulewitz D, Keyes KM, Wall MM, Aharonovich E, Aivadyan C, Greenstein E, Spivak B, Weizman A, Frisch A, Grant B, Hasin D. Nicotine dependence, abuse, and craving: dimensionality in an Israeli sample. Accepted and to appear in *Addiction*.
102. Neumark-Sztainer D, Wall MM, Story M, Meyer A. Dieting and unhealthy weight control behaviors during adolescence: Associations with 10-year changes in body mass index. Accepted and to appear in *Journal of Adolescent Health*.
103. Cerda M, Wall MM, Keyes K, Galea S, Hasin D. Medical marijuana laws in 50 states: investigating the relationship between state legalization of medical marijuana and marijuana use, abuse and dependence. Accepted and to appear in *Drug and Alcohol Dependence*.
104. Kushner MG, Wall MM, Krueger R, Sher K, Maurer E, Thuras P, Lee S. Risk for alcohol dependence is related to overall internalizing psychopathology load rather than to particular internalizing disorders: Evidence from a national sample. Accepted and to appear in *Alcoholism: Clinical Experimental Research*.
105. Maher M, Wang Y, Zuckoff A, Wall MM, Franklin M, Foa E, Simpson H. Predictors of patient adherence to cognitive behavioral therapy for obsessive compulsive disorder. Accepted and to appear in *Psychotherapy and Psychosomatics*.
106. Hasin D, Fenton M, Beseler C, Jung Yeon Park, Wall MM. Proposed DSM-5 criteria for alcohol, cannabis, cocaine and heroin disorders in 663 substance abuse patients. Accepted and to appear in *Drug and Alcohol Dependence*.
107. Keyes KM, Eaton N, Krueger RF, McLaughlin K, Wall M, Grant BF, Hasin DS. Childhood adversities and the structure of common psychiatric disorders, Accepted and to appear in *British Journal of Psychiatry*.

108. Neumark-Sztainer D, Wall MM, Larson N, Story M, Fulkerson J, Eisenberg. Ten year secular trends (1999-2010) in weight status and weight-related attitudes and behaviors in adolescents: Have there been improvements? Accepted and to appear in Preventive Medicine.
109. Fontaine P, Hellerstedt W, Dayman C, Wall MM, Sherwood N. Evaluating BMI-specific trimester weight gain recommendations: Differences between black and white women, Accepted and appear in Journal of Midwifery and Women's Health.
110. Goldschmidt A, Wall MM, Loth K, LeGrange D, Neumark-Sztainer D. Which dieters are at risk for the onset of binge eating? A prospective study of adolescent and young adults. Accepted and to appear in Journal of Adolescent Health.
111. Meyer K, Wall MM, Larson N, Laska M, Neumark-Sztainer D. Sleep duration is inversely associated with body mass index among in men, but not women, in a sample of young adults. Accepted and to appear in Obesity.
112. \*Wall MM, Guo J, Amemiya Y. Mixture models for approximating non-normally distributed continuous latent factors in structural equation models. Accepted and to appear in Multivariate Behavioral Research.
113. Ito M, Nakajima S, Fujisawa D, Miyashita M, Kim Y, Ghesquiere A, Shear K, Wall MM. Brief measure for screening complicated grief: Validity and reliability in the general population. Accepted and to appear in PLoS ONE.

## **Chapters and Books**

### **2007**

1. \*Wall MM and Amemiya Y. A review of nonlinear factor analysis and nonlinear structural equation modeling. In Factor Analysis at 100: Historical Developments and Future Directions eds Robert Cudeck and Robert C. MacCallum, Chapter 16 pp 337-362, Lawrence Erlbaum Associates. 2007.
2. \*Wall MM and Amemiya Y. Nonlinear structural equation modeling as a statistical method. In Handbook of Latent Variable and Related Models, ed Sik-Yum Lee, Chapter 15 pp 321-344, Elsevier, The Netherlands. 2007.

### **2009**

3. \*Wall MM. Maximum likelihood and Bayesian estimation for nonlinear structural equation models, In Handbook of Quantitative Methods in Psychology, eds Roger Millsap and Albert Maydeu-Olivares, Chapter 22, 540-567, Sage. 2009.

## **In Press**

4. \*Wall MM. Spatial structural equation modeling with an application to U.S. behavioral risk factor surveillance survey data, to appear In the Handbook of Structural Equation Modeling, ed Rick Hoyle, Guilford Press.

## **Reviews, Editorials, Letters**

### **2004**

1. \*Wall MM. Invited Review of Introduction to Applied Statistics: A Modelling Approach, 2nd Edition by Lindsey Statistics in Medicine 23(22). 2004.

### **2010**

2. \*Wall MM. Invited Review of Structural equation modeling: Foundations and Extensions, Advanced quantitative techniques in the social sciences series 10 2nd edition by Kaplan (2009). The American Statistician. 64(1) 94-95. 2010.