Vita 2018 0318

**LEONA S. AIKEN**

**EDUCATION**

Ph.D. Purdue University, January, 1970 Psychology

M.S. Purdue University, June, 1968 Psychology

B.S. Virginia Commonwealth University, Psychology

June, 1965

 **ACADEMIC POSITIONS**

President's Professor, Psychology, Arizona State University 2010-present

Director, Quantitative Concentration, Arizona State University 1997-2007, 2011-2017

Professor, Psychology, Arizona State University 1985‑2010

Professor, Psychology, Temple University 1984‑1985

Visiting Professor, Psychology, Arizona State University 1984‑1985

Associate Professor, Psychology, Temple University 1973‑1984

Study Director, Institute for Survey Research, Temple 1975‑1984

University

Assistant Professor, Psychology, Temple University 1969‑1973

Visiting Scientist, Institute for the Study of 1970

Cognitive Systems, Texas Christian University

David Ross Research Fellow, Purdue University 1966‑1968

**ADMINISTRATIVE POSITIONS**

 Director, Quantitative Ph.D. Concentration, Arizona State University 1997-2007, 2011-2017

The Quantitative Concentration offers the Ph.D. in Quantitative Research Methods in Psychology. The program was approved by the University in 1998. I developed the proposal for the concentration have led the program through all aspects of program development and administration, including the approval process throughout the administration of the University. We have seven faculty and a active cadre of graduate students.

Associate Dean for Research, College of Liberal Arts and 1985‑1990

Sciences, Arizona State University

The College of Liberal Arts and Sciences consists of 20 academic departments, seven research centers, plus laboratories and institutes that span the humanities, social sciences, biological and physical sciences. I was responsible for supporting the research and scholarly activities of the 800 faculty in these departments and research units. My activities included planning for growth of research and training programs (e.g. biotechnology, materials science, survey research), administration of internal funding programs and computer resources, enhancement of research activities, construction of science facilities, and procurement of resources to support research. Concurrently with these activities directed evaluations of basic undergraduate English and Mathematics instruction. Finally, I assumed responsibility for academic personnel in the College in my last year of the position, during an administrative transition.

Associate Provost for Academic Programs, Temple 1983‑1984

University

Special Assistant to the Provost, Temple University 1983

Temple University consists of 14 colleges and schools, with a total academic budget of $115,000,000. A Provost position was first established in 1982. My work first a special assistant to the newly created Provost and then as Associate Provost for Academic Programs included program, budget, and personnel related responsibilities. Planning for internal reorganization, and the academic component of affirmative action, including articulation with other Pennsylvania academic institutions and the State of Pennsylvania, were also among my responsibilities.

 Director, Quantitative Psychology Program, Temple University 1972‑1979

The quantitative program in Psychology was initiated in 1973 and involved four full‑time faculty, plus varying numbers of part‑time faculty associated with the Temple University Measurement Center. My position involved chairing faculty searches, review of students for admission and retention, curriculum, program standards, and faculty review for tenure and promotion.

 **ACADEMIC ACTIVITIES**

**GRANT SUPPORT**

NIH Neuroanatomical substrates of aging and cognitive decline. 9/2006-7/2012

 R01 AG025526. Role: Co-investigator (methodologist). $2,091,560

NIA Resilience and Health in Communities and Individuals 10/2005-7/2012

 R01-AG026006-01 Role, Co-investigator. $2,966,196

NMH PET, APOE and the preclinical course of Alzheimer disease 10/1/03-9/30/09

 Role: co-investigator (methodologist) $3,970,896

Cancer Research Breast Cancer Risk and Women's Choice of Combination

Foundation of Hormone Therapy $70,000

America Role: Principal Investigator, Phoenix, AZ site 7/03-7/06

Robert Wood Funded to Hospice of the Valley $450,000

Johnson Phoenix Care: A comprehensive model for palliative 1/99-06/02

Foundation Role: Research Design and Analysis

Arizona Prevention Research among men who have sex with men $ 283,166

Department Role: Co-investigator 12/98-6/2001

of Health Services

ASU Mammography Compliance among Hispanic Women $2700

 7/93-6/94

ASU Increasing Compliance with Mammography Screening $850

 Recommendations: Long-term Follow-up (with S. West) 5/91‑6/91

NCI Increasing Compliance Rates for Mammography 8/87‑8/89

 Screening (Principal Investigator) $35,331

DOEd Electron Microscope and Addition and Re‑ 1/87‑1/88

 model of ASU Animal Care and Animal $500,000

 Research Facilities (Principal Investigator)

NIDA An evaluation of Project Pride's prevention 5/83‑4/84

 strategy (project design and analysis) $252,082

NIDA Prevention Evaluation Research Monographs 10/78‑4/81

 (Co‑Principal Investigator) $239,000

NIDA Volunteers in Drug Treatment 10/77‑6/79

(Co‑Principal Investigator) $104,000

NIDA Paraprofessional versus Professional Counselors 6/79‑9/77

(Co‑Principal Investigator) $125,000

OCD Health Advocacy Training Project 9/74‑11/76

(Demonstration Grant, Research Director)

NIDA Central Intake Evaluation: Patient and System 8/75‑12/77

Impact (Co‑Principal Investigator) $212,000

NICHD Visual‑Auditory Equivalence in Pattern 1/73‑6/76

Perception (Principal Investigator) $71,753

NIMH Nonverbal Studies of Cognitive Development 10/71‑3/73

 $4996

Temple Summer Research Fellowship 1972

University $1500

Temple Grant‑in‑Aid, Effects of class structure upon 1971‑1972

University processing of individual patterns $1000

Temple Grant‑in‑Aid, Nature of feature utilization in 1970‑1971

University human pattern classification $650

**EDITORIAL AND REVIEW ACTIVITIES**

 Journal Advisory Board, *Multivariate Behavioral Research* 2006-2008

 Associate Editor: *American Psychologist* 2002-2006

 Associate Editor: *Journal of Personality* 1991‑1994

 Consulting Editor:

 *American Psychologist* 2016--present

 *Psychological Methods* 1995-present

*Multivariate Behavioral Research* 2006-present

 *Health Psychology* 2010-2017

*Understanding Statistics: Statistical Issues in Psychology,*

 *Education, and the Social Sciences* 2001-2004

*Health Psychology* 1998-1999

*Psychological Bulletin* 1994-1996

*Women's Health: Research on Gender, Behavior, and Policy* 1994-1999

 Behavior and Policy

*Journal of Personality* 1985‑1991

*Infant Behavior and Development* 1982‑1990

 Series Co-Editor Occasional Quantitative Papers, *Journal of Personality* 1993-2010

 Series Advisory Board, Multivariate Applications

 Society for Multivariate Experimental Psychology and

 Lawrence Erlbaum Associates 1995-2009

 Editorial Board, *Encyclopedia of Social Science Research Methods,* 2002-2004

Sage Publications

 Ad Hoc Reviewer, DARD Study Section, National Institute 1980‑1984

on Drug Abuse

 Permanent Reviewer, Small Grant Study Section, National 1975‑1980

 Institute of Mental Health

**AWARDS AND INVITED MEMBERSHIPS**

 **Research**

Arizona Psychological Association: Distinguished Contributions to Research 2010

 **Teaching and Mentoring Awards**

President's Professor, Arizona State University 2011-present

Arizona State University Parents' Association Professor 2010-present

Arizona State University Professor of the Year 2010

Outstanding Graduate Mentor, Arizona State University 2009

 Distinguished Teaching/Mentoring Award (Division 5, Evaluation,

 Measurement, Statistics, of the American Psychological Association) 2001

 ASU College of Liberal Arts and Sciences Distinguished Teaching Award 2000

 ASU Alumni Association Excellence in Teaching Award 1997

 Outstanding Professor, 1996, Disability Resources for 1996

 Students, Arizona State University

 Lindback Award for Excellence in Teaching, Temple University 1983

 College of Liberal Arts Excellence in Teaching Award, Temple University 1973

Temple University

 **Service Award**

 Western Psychological Association, Distinguished Service Award 2005

  **Fellowships and Honorary Societies**

 Fellow, American Psychological Society 1996

 Fellow, American Psychological Association (4 divisions)

 Division 5, Evaluation, Measurement, Statistics 1993

 Division 38, Health Psychology 1996

 Division 1, General Psychology 2003

 Division 35, Psychology of Women 2004

 Fellow, Western Psychological Association 1994

 Sigma Xi, Purdue University 1969

 **Elected Membership**

 Society for Multivariate Experimental Psychology 1992

**ACADEMIC‑RELATED MEMBERSHIPS, OFFICES HELD, AND PROFESSIONAL SERVICES**

**Society for Multivariate Experimental Psychology**

 President-Elect 2005-2006

 **President 2006-2007**

 Past President 2007-2008

**American Psychological Association (APA)**

Education and Training Awards Committee (APA), Chair 2013

 Board of Educational Affairs, APA 2011-2013

 Co-chair, Board of Scientific Affairs, APA 2010

 Board of Scientific Affairs, American Psychological Association 2008-2010

 Chair, APA Task Force to Increase the Pipeline of Quantitative Psychologists 2006-2008

 Member, APA Task Force on Council Representation 2008

 Past President, Division 5, Evaluation, Measurement, & Statistics, APA 1999-2000

 **President, Division 5, Evaluation, Measurement, & Statistics, APA 1998-1999**

 President-Elect, Division 5, Evaluation, Measurement, & Statistics, APA 1997-1998

 Policy and Planning Board (APA) 2003-2004

 Task Force on Significance Testing (APA) 1996-2000

 Chair Elect, Women’s Caucus of APA Council 2004

 Chair, Women’s Caucus of APA Council 2005

President, Coalition for Academic, Scientific 2006

 and Applied Psychology (CASAP) of APA Council (APA) 2001-2003

Member-at-Large, CASAP 2004-2005

President-Elect 2005

 Task Force on Membership (APA) 2001-2002

 Council Representative, Division 5, Evaluation, Measurement, & Statistics 2001-2006

 Education and Training Awards Committee (chair) 2000-2003

 Board of Educational Affairs, APA 1999-2002

 (Chair, Curriculum Subcommittee)

 Policy and Planning Board (APA) 1995-1998

 Council Representative, Division 5, Evaluation, Measurement, & Statistics 1988-1994

 re-elected (APA) 1995-1998

 President, Coalition for Academic, Scientific

 and Applied Psychology of APA Council (APA) 1990‑1993

 1995-1997

 2005-2006

Chair, Committee on Structure and Function of Council (APA) 1990‑1993

Member, Committee on Structure and Function of Council (APA) 1993-1995

 1988-1990

Secretary, Division 5 (APA) 1990-1991

 1992-1993

 1994-1995

 Membership Chair, Division 5 (APA) 1987‑1988

Nominations Chair, Women's Caucus, APA Council (APA) 1989‑1991

Member, Review Committee for Science Conference Grants (APA) 1993-1995

Member, Advisory Committee on Women's Health

Conference, Division 38 and Division 35 (APA) 1993-1995

**Western Psychological Association**

Statistics Workshop Chair 2004-2005

 Program Chair 2003-2004

 Past President 2002-2003

 **President 2001-2002**

 President Elect 2000-2001

 Member at Large 1993-1996

##  American Psychological Society

**UNIVERSITY GOVERNANCE**

 **ARIZONA STATE UNIVERSITY**

Planning Advisory Committee, Department of Psychology 2015-2017

Area Head, Quantitative Ph.D. Concentration, Psychology 2011-2017

 1998-2008

University Institutional Review Board (IRB), Human Participants in Research 2007-present

Graduate Studies Committee, Department of Psychology 2005-2008

 2011-2017

University Promotion and Tenure Committee 2006

Executive Committee, Department of Psychology 1998-2005

Honors College Faculty Advisory Board 1999-2001

Graduate Committee, Department of Psychology 1994-1995

Technology Transfer and Training Committee

for Computing, Information Technology 1993-1994

Faculty Computing Advisory Committee 1993-1995

Acting Chair 1993

College Computer Technology Committee 1992‑1995

Dean's Advisory Committee for Personnel Review 1992‑1993

Systems Science Center Advisory Committee 1989‑1990

(Colleges of Arts and Sciences and of Engineering)

Life Sciences Development Planning Committee (University wide) 1987‑1988

Biotechnology Planning Committee, Arizona State 1987‑1988

 University, co‑chair (Colleges of Arts and Sciences, Engineering, and Nursing) 1985‑1988

Information and Communication Services Advisory Committee (University-wide) 1985‑1988

College Research Awards Committee (staff) 1985‑1990

Computer Funding Task Force, chair (University‑wide) 1985‑1986

 **TEMPLE UNIVERSITY**

Criminal Justice Development Committee, Personnel 1978‑1983

Chairperson, Faculty Senate

Executive Committee, College of Arts and Sciences 1980‑1983

Graduate Committee, College of Arts and Sciences 1979-1983

Committee on Liberal Arts in the 1980s, College of Arts and Sciences 1981‑1983

University Review Committee for the Use of Human 1974‑1977

Subjects (Chair, 1975‑1977)

Tenure Review Committee, College of Arts and Sciences 1973‑1976

(Chair, 1974‑1976)

Research Policies and Programs Committee, Faculty Senate 1974‑1976

Committee on Instruction, College of Arts and Sciences 1975‑1977

Pan African Program Development Committee, College of Arts and Sciences 1973‑1974

Arts and Sciences

**CONSULTANCIES**

Technical Advisory Committee for the Graduate Record

 Examination (GRE), Educational Testing Service 1995-2001

 Advisory Committee, AIDS Project, Arizona Community Foundation 1994-1995

Governor's Office of Substance Abuse, Arizona 1988‑1989

President's Commission on Organized Crime 1984

NIMH Prevention Center, Hahnemann University, Philadelphia 1983‑1985

NIJ Organized Crime Project, Temple University 1980‑1982

NIJ Bail Decision Making Project, Temple University 1982

**TEACHING INTERESTS**

My teaching interests are in the areas of applied statistics and health psychology. My graduate teaching in applied statistics has included analysis of variance, multiple regression analysis, multivariate analysis, and structural equation modeling. Currently I teach multiple regression analysis and multivariate analysis, the second and third graduate courses in the graduate statistics sequence. I teach the advanced undergraduate course in statistics, as well as the introductory undergraduate statistics course. I have taught both undergraduate and graduate courses in health psychology. My dual teaching interests reflect analogous research interests in both research methods and health psychology.

**DOCTORAL STUDENTS SUPERVISED (ARIZONA STATE UNIVERSITY)**

Angela Bryan, Ph.D., 1997. Professor, University of Colorado, Boulder

Kristina M. Jackson, Ph.D., 1997. Research Professor, Brown University

Jennifer Krull, 1997. Professor, University of California, Los Angeles

Mary Gerend, 2003. Associate Professor, Northwestern University

Julie-Patock Peckham, 2005. Instructor, Arizona State University (co-chair with Robert Cialdini)

Mindy Erchull, 2005. Associate Professor, University of Mary Washington

Sarah Schmiege, 2005.Associate Research Professor, Biostatistics and Informatics, University of Colorado,

School of Public Health

Krista Ranby, 2009, Assistant Professor, University of Denver

Allecia Reid, 2010, Assistant Professor, Colby College

Stephanie Moser, 2010, Research Data Manager, Division of Pain Research, University of Michigan Health System

Yue Ma, 2010, Assistant Scientist – Biostatistician, University of Wisconsin-Madison (dissertation co-chair with Stephen West)

Stefany Coxe, 2012. Assistant Professor, Florida International University (dissertation co-chair with Stephen West)

Wan Ellen Yeung, 2013. Post-Doctoral Fellow, University of Missouri (dissertation co-chair with Mary Davis)

**RESEARCH INTERESTS**

My research has both substantive and methodological foci. My substantive research is in health psychology. My methodological work is in applied statistics.

I am co-author with Stephen West on the Aiken & West book, *Multiple Regression: Testing and interpreting interactions.* This book presented a systematic methodology for post hoc probing and interpretation of regression equations containing interactions and higher order polynomials. Over the years, we have extended this work in multiple ways. Most recently, our work on interactions has focused on estimating latent variable interactions in structural equation models, with particular emphasis on the performance of various approaches to estimating latent variable interactions, statistical power to detect latent variable interactions versus their measured variable counterparts, and estimation of latent variable interactions when distributional assumptions are violated. In keeping with my interests in the assessment of the effects of treatments implemented in field settings, I have written on the use of structural equation modeling in evaluating treatment effects in quasi-experimental setting, on approaches to understanding how the effects of treatments are mediated by intervening constructs, on the use of retrospective pretests, and on treatment effect size estimates as a function of design. I am co-author with Jacob Cohen, Patricia Cohen, and Stephen West of the third edition of *Applied Multiple Regression/Correlation Analysis for the Behavioral Sciences,* 2003. My writing for this text included hierarchical linear models (multilevel models), alternatives to ordinary least squares regression (logistic, Poisson, the generalized linear model), as well as nonlinear and interactive effects in multiple regression. Recently I have focused on the analysis of count outcomes.

My substantive research focuses on women's health. I am interested in the application of models of health behavior and theory in social psychology to the understanding and encouragement of health protective behavior. I employ a two stage approach to studying a particular health behavior. We begin with the development and testing of a psychosocial model of the putative determinants of a particular behavior drawing on theory and previous research in the modeling of health behavior. Having developed a model of the health behavior, we employ this model to inform the design of interventions to modify the behavior. My work in women's health focuses on both mature women and young women. I have applied this two-stage (psychosocial modeling followed by model based intervention) to enhancing medical compliance with recommendations for mammography screening in the Caucasian and Hispanic communities, encouragement of safer sex in sexually active young women, on the encouragement of sun protection against skin cancer, and the encouragement of increased calcium consumption among young women. We have recently integrated emotion into models of decision making with regard to health behavior, including the decision of young women to obtain breast implants, a decision with strong emotional aspects and potentially serious negative medical consequences. I have also examined mature women's decision making processes in the use of hormone replacement therapy. On a theoretical level, I am interested in the determinants of perceived susceptibility to disease, above and beyond objective medical risk. I have studied the determinants of perceived risk for diseases of aging in mature women and also have focused on issues in the measurement of perceived susceptibility. Most recently, we have examined the influence of significant others through both social support and social control, and the interplay between norms and attitudes in influencing health behavior change. I have also served as a multidisciplinary research team studying resilience among individuals as a function of individual, family, and community variables (among them neighborhood social cohesion) and how resilience relates to health outcomes.

My previous research in outcome evaluation of service delivery programs is consonant with my methodological interests and my training of students in both Quantitative Psychology and Health Psychology. In this area I have worked on projects evaluating health care delivery in daycare programs, the use of paraprofessional counselors in drug treatment, the impact of a central intake unit on drug treatment referrals, the utilization of volunteers in drug abuse treatment, and the daily lives of heroin addicts in an out of treatment. I served as methodologist on a study of the re-design of palliative care at the end of life funded by the Robert Wood Johnson Foundation.

My first research interest was pattern perception, with particular emphasis on a comparison of visual and auditory pattern processing and their development. The research on pattern perception involved considerations of sensitivities to pattern class structure and pattern prototypes.

**THESES**

Doctoral Thesis ‑‑ Perceptual Classification of Random and Schematic Visual Patterns: A Feature Processing Approach, Purdue University, January, 1970. Major professor: Donald R. Brown.

Masters Thesis ‑‑ A Spatial Analysis of the Discriminability of Forms in Noise. Purdue University, June, 1968. Major professor: Donald R. Brown.

**PUBLICATIONS: Note: \* indicates a student or former student.**

**BOOKS**

Aiken, L. S., & West, S. G. (1991) Multiple Regression: Testing and Interpreting Interactions. Newbury Park, CA.: Sage.

Cohen, J., Cohen, P., West, S., & Aiken, L. (2003). Applied multiple regression/correlation analysis for the behavioral sciences. 3rd Ed. Hillsdale, NJ: Lawrence Erlbaum Associates.

 **ARTICLES, CHAPTERS**

Aiken, L. S., & Brown, D. R. (1969). A spatial analysis of the discriminability of forms in noise. Perception and Psychophysics, 5(3), 171‑175.

Aiken, L. S., & Brown, D. R. (1969). Visual form perception: Task demands and congruence among spatial solutions. Psychonomic Science, 15, 219‑220.

Aiken, L. S., & Brown, D. R. (1971). Visual form perception: Congruence among spatial configurations. Perception and Psychophysics, 5(3), 155‑160.

Aiken, L. S., & Brown, D. R. (1971). Feature utilization of continuously varying attributes in visual pattern classification. Perception and Psychophysics, 9, 145‑149.

Aiken, L. S., & Brown, D. R. (1971). A feature utilization analysis of the perception of pattern class structure. Perception and Psychophysics, 9, 279‑293.

Aiken, L. S. (1971). Toward a union of feature analysis and class synthesis approaches to pattern perception. In S. H. Evans, Proceedings of the MPA Symposium on Multivariate Approaches to Pattern Perception. Human Engineering Laboratories Technical Memorandum, 25‑71.

Aiken, L. S. (1971). Major responsibility for Chapter 4, Perception. In R. Lana & R. Rosnow, Introduction to Contemporary Psychology. Holt, Rinehart and Winston.

Aiken, L. S. (1972). Simultaneous processing of typal and dimensional variation among multidimensional events. Multivariate Behavioral Research, 7, 305‑316.

Aiken, L. S., Santa, J. L., & Ruskin, A. B. (1972). Nonreinforced trials in concept identification: Presolution statistics and local consistency. Journal of Experimental Psychology, 93(1), 100‑104.

Aiken, L. S., & Griffin, L. R. (1972). Visual and auditory processing of common pattern class structure. Perception and Psychophysics, 12, 492‑496.

Williams, T. M., & Aiken, L. S. (1972, September). Applications of schematic concept formation to methodological problems and theoretical issues of cognitive development. In S. H. Evans & A. M. Ellis (Eds.), Proceedings of the Southwestern Psychological Association Symposium on Individual Difference Variables and Schematic Concept Formation. Human Engineering Technical Memorandum, 22‑72.

Aiken, L. S., & Williams, T. M. (1973). A developmental study of schematic concept formation. Developmental Psychology, 2, 162‑167.

Rosnow, R. L., & Aiken, L. S. (1973). Mediation of artifacts in behavioral research. Journal of Experimental Social Psychology, 9, 181‑201.

Drummond\*, T. B., Williams, T. M., & Aiken, L. S. (1973). Children's use of prototypes in pattern classification. Child Development, 44, 686‑688.

Aiken, L. S., Fenker, R. M., & Evans, S. H. (1974). Class structure in the biasing of perceived pattern similarity. Journal of Experimental Psychology, 103, 489‑501.

Aiken, L. S., & Williams, T. M. (1975). Development of multiple dimension use in form classification. Child Development, 46, 123‑132.

Arbuckle, J., & Aiken, L. S. (1975). A program for Pitman's test for differences in location. Behavior Research Methods and Instrumentation.

Wainer, H., Hurt\*, S., & Aiken, L. S. (1976). Rorschach revisited: A new look at an old test. Journal of Consulting and Clinical Psychology, 44, 390‑399.

Williams, T. M., & Aiken, L. S. (1975). Auditory pattern classification: Continuity of prototype use with development. Developmental Psychology, 11, 715‑723.

Williams, T. M., Aiken, L. S., & Gordon, R. (1976). Developmental reversal in classification accuracy due to an increase with age in orientation‑free judgments. Journal of Experimental Child Psychology, 21, 128‑143.

Williams, T. M., & Aiken, L. S. (1977). Development of pattern classification: Auditory‑visual equivalence in the use of prototypes. Developmental Psychology, 13, 198‑204.

Williams, T. M., Fryer\*, M. L., & Aiken, L. S. (1977). Development of visual pattern classification in preschool children: Prototypes and distinctive features. Developmental Psychology, 13, 577‑584.

Wilson\*, C. V., & Aiken, L. S. (1977). The effect of intensity levels upon physiological and subjective affective response to music. The Journal of Music Therapy, 14(2), 60‑76.

Aiken, L. S., Lono\*, M. M., & Moore, D. (1978). Asymmetric transfer of prototype information between learning and audition. Journal of Experimental Psychology: Human Learning and Memory, 4(1), 66‑77.

LoSciuto, L. A., Aiken, L. S., & Ausetts\*, M. (1979). Professional and paraprofessional counselors: Functions and activities. NIDA Monograph Series, Services Research Branch.

LoSciuto, L. A., Aiken, L. S., & Ausetts\*, M. (1979). Professional and paraprofessional counselors: Attitudes of counselors and clients. NIDA Monograph Series, Services Research Branch.

Aiken, L. S., LoSciuto, L. A., & Ausetts\*, M. (1979). Professional and paraprofessional counselors: Counselor effectiveness. NIDA Monograph Series, Services Research Branch.

Aronson, S., & Aiken, L. S. (1980). Compliance of child care programs with health and safety standards: Impact of program evaluation and advocate training. Pediatrics, 65, 318‑325.

Ausetts\*, M., Aiken, L. S., & LoSciuto, L. (1981). Use of volunteers in drug treatment: A literature review. NIDA Monograph Series, Services Research Branch.

Aiken, L. S., LoSciuto, L. A., & Ausetts\*, M. (1981). A survey of volunteer utilization in drug treatment. NIDA Monograph Series, Services Research Branch.

Aiken, L. S. (1981) (Ed.). Prevention evaluation research monograph: Outcome evaluation. Final report to National Institute on Drug Abuse.

Aiken, L. S., & French, J. F. (1983). Evaluation issues in prevention programs. Chapter 4 in J. F. French, C. C. Fisher, & S. Costa (Eds.), Working with evaluators: A guide for drug abuse prevention program managers. National Institute on Drug Abuse Monographs.

Aiken, L. S., LoSciuto, L. A., Ausetts\*, M. A., & Brown, B. S. (1984). Paraprofessional versus professional drug counselors: Diverse routes to the same role. International Journal of the Addictions, 19(2), 153‑174.

LoSciuto, L. A., Aiken, L. S., Ausetts\*, M. A., & Brown, B. S. (1984). Paraprofessional versus professional drug abuse counselors: Attitudes and expectations of the counselors and their clients. International Journal of the Addictions, 19(3), 233‑252.

Aiken, L. S., LoSciuto, L. A., Ausetts\*, M. A., & Brown, B. S. (1984). Paraprofessional versus professional drug counselors: The progress of clients in treatment. International Journal of the Addictions, 19(4), 383‑401.

Aiken, L. S., & LoSciuto, L. A. (1984). Exaddict versus nonaddict counselors' knowledge of clients' drug use. International Journal of the Addictions, 20(3), 417‑433.

Aiken, L. S., LoSciuto, L. A., & Ausetts\*, M. A. (1984). Who is serving drug abuse clients: The delivery of treatment by professionals versus paraprofessionals, by paid staff versus volunteers. In R. Ashery (Ed.), Brief Effective Treatment Strategies. National Institute on Drug Abuse Monographs.

Aiken, L. S. (1986). Retrospective self‑reports by clients differ from original reports: Implications for the evaluation of drug treatment programs. International Journal of the Addictions, 21(7), 767‑788.

Williams, T., Joy, L., Travis, L., Gotowiec, A., Blum, M., Aiken, L., Painter, S. & Davidson, S. (1987). Transition to Motherhood: A longitudinal study. Infant Mental Health Journal, 8(3), 251‑265.

Aiken, L. S., & West, S. G., Sechrest, L. B., and Reno\*, R. R. (1990). Graduate training in statistics, methodology, and measurement in psychology:A survey of Ph.D. Programs in North America. American Psychologist, 45, 721‑734.

Aiken, L. S., & West, S. G. (1990) Internal invalidity of true experiments due to self‑report pretest bias. Evaluation Review, 14, 374‑390.

Reynolds\*, K. D., West, S. G., & Aiken, L. S. (1990) Increasing the use of mammography: a community based social psychological approach. Health Education Quarterly, 17, 429‑441.

Bond\*, G. G., Aiken, L. S., & Somerville, S. C. (1992). The Health Belief Model and adolescents with Insulin‑Dependent Diabetes. Health Psychology, 11, 190‑198.

Reno\*, R. R., & Aiken, L. S. (1993). A longitudinal panel study of heroin addicts' daily lives in and out of treatment. International Journal of the Addictions., 28, 211‑232.

West, S. G., Aiken, L. S., & Todd\*, M. (1993). Probing the effects of individual components in multiple component prevention programs. American Journal of Community Psychology, 21, 571-605.

Aiken, L. S., Stein, J. A., & Bentler, P. M. (1994). Structural equation analyses of clinical sub‑population differences and comparative treatment outcomes: Characterizing the daily lives of drug addicts. Journal of Consulting and Clinical Psychology, 62, 488-499.

Aiken, L. S., West, S. G., Woodward\*, C., & Reno\*, R. R. (1994). Health beliefs and compliance with mammography screening recommendations. Health Psychology, 13(2), 122-129.

Aiken, L. S., West, S. G., Reno\*, R. R., Woodward\*, C., & Reynolds\*. (1994) . Increasing screening mammography in asymptomatic women: Evaluation of a Second Generation, theory-based program. Health Psychology, 13, 526-538.

Kreft, I. G. G., DeLeeuw, J. & Aiken, L. S. (1995). Variable centering in hierarchical linear models: Model parameterization, estimation, and interpretation. Multivariate Behavioral Research, 30, 1-21.

Aiken, L. S., Fenaughty\*, A. M., West, S. G., Johnson\*, J. J., & Luckett\*, T. L. (1995). Perceived determinants of risk for breast cancer and the relationships among objective risk, perceived risk, and screening behavior over time. Women's Health: Research on Gender, Behavior, and Policy., 1, 27-50.

West, S. G., Aiken, L. S., & Krull\*, J. (1996). Experimental personality designs: analyzing categorical by continuous variable interactions. Journal of Personality, 64, 1-47.

Bryan\*, A. D., Aiken, L. S., & West, S. G. (1996). Increasing condom use: Evaluation of a theory-based intervention to prevent sexually transmitted disease in young women. Health Psychology, 15, 371-382.

Aiken, L. S., & Jackson\*, K. M. (1996). Mammography benefits for women under 50: A closer look at the controversy. Women's Health: Research on Gender, Behavior, and Policy. 2(4), 235-242.

Bryan\*, A. D., Aiken, L. S., & West, S. G. (1997) Young women's condom use: The influence of acceptance of sexuality, control over the sexual encounter, and perceived susceptibility to common STDs. Health

Psycholog,y, 16, 468-479.

West, S. G., & Aiken, L. S. (1997). Towards understanding individual effects in multiple component prevention programs: Design and analysis strategies. In K. Bryant, M. Windle, & S. West (Eds.). The science of Prevention: Methodological advances from alcohol and substance abuse research. Washington, D. C.: American Psychological Association, pp. 167-209.

Aiken, L. S., West, S. G., Schwalm, D. E., Carroll, J., & Hsiung\*, S. (1998). Comparison of a randomized and two quasi- experiments in a single outcome evaluation: Efficacy of a university-level remedial writing program. Evaluation Review., 22(2), 207-244.

Aiken, L. S., Jackson\*, K. M., & Lapin\*, A. (1998) Mammography screening for women under 50: women's response to medical controversy and changing practice guidelines. Women's Health: Research on Gender, Behavior, and Policy., 4(3), 169-197.

Bryan\*, A. D., Aiken, L. S., & West, S. G. (1999). The impact of proposing condom use on an initial sexual encounter. Personality and Social Psychology Bulletin., 25, 275-286.

Chambless, D. L., Bryan\*, A. D., Aiken, L. S., Steketee, G., & Hooley, J. M. (1999). Convergent and divergent validity of measures of expressed emotion. Psychological Assessment, 11, 67-76.

Wilkinson, L. , & the Task Force on Statistical Inference. (1999). Statistical Methods in Psychology Journals: Guidelines and Explanations. American Psychologist, 54, 594-604. (Note that I was a member of the Task Force)

Cohen, P., Cohen, J., Aiken, L., & West, S. (1999). The problem of units and the circumstance for POMP. Multivariate Behavioral Research., 34(3), 315-346.

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West, S. G., Aiken, L. S., Cham\*, H., & Liu\*, Y. (2013). Multiple regression: The basics and beyond for clinical scientists. In J. S. Comer & Philip C. Kendall (Eds.). *Oxford Handbook of Research Strategies for Clinical Psychology.* New York: Oxford University Press. DOI:10.1093/oxfordhb/9780199793549.013.0013

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Aiken, L.S., West, S.G., Pitts, S.C., Baraldi\*, A.N., & Wurpts\*, I.C.. (2013). Multiple linear regression. In J. Schinka & W. Velicer (Eds.). *Comprehensive Handbook of Psychology*, 2nd Ed. New York: Wiley, 511-542.

Warner, LM and Schuz, B and Aiken, L and Ziegelmann, JP and Wurm, S and Tesch-Romer, C and Schwarzer, R. (2013) Interactive effects of social support and social conflict on medication adherence in multimorbid older adults, *Social Science and Medicine*, 87, 23-30.

Yeung\*, E. W., Aiken, L. S., MacKinnon, D. P. & Davis, M.C. (2014). Abstract: The role of social enjoyment in daily fatigue among women with fibromyalgia. *Multivariate Behavioral Research*. 49(1), 301. Abstract.

Mennenga\* SE, Baxter LC, Grunfeld\* IS, Brewer GA, Aiken LS, Engler-Chiurazzi EB, Camp BW, Acosta JI, Braden BB, Schaefer KR, Gerson JE, Lavery CN, Tsang CWS, Hewitt LT, Kingston ML, Koebele SV, Patten KJ, Ball BH, McBeath MK and Bimonte-Nelson HA (2014). Navigating to new frontiers in behavioral neuroscience: traditional neuropsychological tests predict human performance on a rodent-inspired radial-arm maze. *Front. Behav. Neurosci*. **8**:294. doi: 10.3389/fnbeh.2014.00294

Yeung\*, E. W., Davis, M. C., & Aiken, L. S. (2015). Daily Social Enjoyment Interrupts the Cycle of Same-day and Next-day Fatigue in Women with Fibromyalgia. *Annals of Behavioral Medicine,* 49(3), 411-419, DOI

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Aiken, L.S., Mistler\*, S. A., Coxe, S., & West, S. G. (2015), Analyzing count variables in individuals and groups: single level and multilevel models. *Group Processes and Intergroup Relations*. 18(3), 290-314. DOI 10.1177/1368430214556702

Driscoll, M.A.\*, Davis, M.C., Aiken, L.S., Yeung, E.W., Sterling, E. W., Vien Vanderhoof, V.,Calis, K.A. C., Popat, V.,Sharon S. N., Covington, S. N., & Nelson, L.M. (2016). Psychosocial vulnerability, resilience resources and coping with infertility: A longitudinal model of adjustment to primary ovarian insufficiency. *Annals of Behavioral Medicine,50, 272-284.*DOI 10.1007/s12160-015-9750-z.

Norcross, J. C., Hailstorks, R., Aiken, L. S., Pfund\*, R. A., Stamm, K. E., & Christidis, P. (2016). Undergraduate Study in Psychology: 2014. *American Psychologist*. 71(2), 89-101 http://dx/doi/org/10.1037/a0040095

Pfund\*, R. A., Norcross, J. C., Hailstorks, R., Aiken, L. S., Stamm, K. E., & Christidis, P. (2016). A dubious distinction? The BA vs the BS in Psychology. *Teaching of Psychology*. *43*, 32-37.DOI 10.1177/00986283874

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Hailstorks, R., Norcross, J. C., Pfund\*, R. A., Aiken, L. S., Stamm, K.E., & Christidid, P. (2017). Assessment drivers and practices in undergraduate psychology programs: a survey of associate and baccalaureate degree programs. *Scholarship of Teaching and Learning in Psychology.*  *2(2), 99-111.* [http://dx.doi.org/10.1037/stl0000059](http://psycnet.apa.org/doi/10.1037/stl0000059)*.*

Liu\*, Y., West, S.G., Levy, R., & Aiken, L. S. (2017). Tests of simple slopes in multiple regression models with an interaction: Comparison of four approaches. *Multivariate Behavioral Research, 52(4*), 445-464.

Curlee, A. S., Aiken, L. S., & Luther, S. S. (in press). Middle school peer reputation in high-achieving schools: ramifications for maladjustment versus competence by age 18. *Development and Psychopathology.*

Aiken, L. S. (forthcoming). Screening behavior. *Wiley Encyclopedia of Health Behavior*. New York: Wiley.

PRESIDENTIAL ADDRESSES

Aiken, L. S. Advancing health behavior theory: Uncovering the putative mechanisms by which interventions enhance health protective behavior. Presidential Address, Society for Multivariate Experimental Psychology, Chapel Hill, NC, October, 2007.

Aiken, L. S. Understanding how health protective behavioral interventions work: combining research design and

mediational analysis. Presidential Address, Western Psychological Association, Irvine, CA, April, 2002.

Aiken, L. S. Understanding how interventions work: combining research design and mediational analysis. Presidential address to Division 5, American Psychological Association, August 21, 1999, APA Convention,

Boston.

 INVITED ADDRESSES

International

Aiken, L. S. Analysis of count outcomes: Single and Multilevel Models, Free University, Berlin, Germany, June, 2015.

Aiken, L. S., & West, S. G. Day-long Statistics Workshop for the European Research Network on Gender, Language, and Cognition. Potsdam, Germany, June 18, 2012.

Aiken, L. S., & West, S. G. Mediation and moderation of outcomes in health behavior change research:

Will our data ever be good enough? In Expert Workshop: Issues in Health Behavior Change. Ralf Schwarzer & Aleksandra Luszczynska, co-chairs. Freie Universität, Berlin, July 26, 2008

Aiken, L. S. Multilevel Modeling, an introduction. Statistics workshop. Free University, Berlin, Germany, June, 2008.

Aiken, L. S. Combining theoretical models, research design, and statistical analysis to understand how multiple component interventions enhance health protective behavior. Colloquium, Free University, Berlin, Germany,

May, 2007.

Aiken, L. S. Continuous variable interactions in multiple regression. Statistics workshop. Free University, Berlin, Germany, May, 2007.

Aiken, L. S. Categorical by continuous variable interactions in multiple regression. Statistics workshop. Free University, Berlin, Germany, June, 2007.

Aiken, L. S. Combining theoretical models, research design, and statistical analysis to understand how multiple component interventions enhance health protective behavior. Colloquium, J. W. Goethe University, Frankfurt am Main, Germany, June, 2007.

Aiken, L. S & West, S.G. Testing and Interpreting Interactions with novel forms of psychological data. Colloquium, Free University, Berlin, June, 2007.

West, S. G., & Aiken, L. S. Testing and Interpreting Interactions with novel forms of psychological data. Keynote address. Society for Multivariate Analysis in the Behavioral Sciences and European Association of Methodology.

Biennial Meeting, Budapest, Hungary, July, 2006.

Aiken, L. S. Model-based design and evaluation of preventive health interventions: Increasing mammography screening. Invited colloquium. Department of Psychology, University of Mainz, Germany, July 8, 1997.

Aiken, L. S. Model-based design and evaluation of preventive health interventions: Increasing mammography screening. Invited colloquium. School of Public Health, Technische Universitat, Dresden, June 27, 1997.

National Invited Addresses

Aiken, L. S. Uncovering how psychological interventions encourage healthy lifestyles. Arizona Psychology Undergraduate Research Conference. Tempe, AZ, March 17, 2018

Aiken, L. S. And who will teach? The Qauntitative Conundrum. Invited address, American Psychological Association, Washington, DC. August 2, 2017.

Aiken, L. S. Not the what of quantitative training but the who. Keynote Address. Teaching Statistics and Quantitative Methods into th 21st Century. Vanderbilt University, Nashville, TN, March 24, 2017.

Aiken, L. S. Analysis of count outcomes: single level and multilevcel models for unclustered and clustered count data. Consortium for the Advancement of Research Methods and Analysis (CARMA)Webcast Lectures, April 8, 2016.

Aiken, L. S. Uncovering How Interventions Produce Behavior Change: Theoretical Models, Intervention Design, and Mediation Analysis. APA Distinguished Scientist Lecture. Midwestern Psychological Association.

Chicago, Illinois. May 4, 2012.

Aiken, L. S., & Ranby, K. W. The measurement of perceived risk: Quantitative, social, cognitive, and health perspectives. Invited address. American Psychological Association, Division 5, San Diego, CA., August, 2010.

Aiken, L. S. Testing and interpreting interactions with novel forms of psychological data. Purdue University, West Lafayette, IN, March 26, 2010.

Aiken, L. S. The interplay between social psychology and health behavior theory. Uncovering how interventions enhance health protective behavior. Society for Personality and Social Psychology, Las Vegas, NV, January 28, 2010.

Aiken, L. S., & West, S. G. Statistical mediation and moderation analysis: How and for whom do interventions work. American Psychological Association, Toronto, Ontario, CA, August 7, 2009.

Aiken, L. S. Interactions in multiple regression: The basics and beyond. Plenary session in Methodology at American Psychological Association, San Francisco, CA, August 18, 2007

Aiken, L. S. Combining psychology and quantitative methods into one exciting career. American Psychological Association, San Francisco, CA, August 18, 2007.

Aiken, L. S. From psychosocial model to intervention: Uncovering mechanisms underlying adoption of health protective behavior. Invited address to National Cancer Institute, Conference on Stimulating Advances in Behavioral Theory: Application to Cancer Screening Workshop. National Cancer Institute, Rockville, MD. Dec 13, 2006.

Aiken, L. S., & West, S. G. Graduate Training in Quantitative Psychology: A decade of stability and change. Invited address, American Psychological Association, New Orleans, LA, August, 2006.

Aiken, L. S. & West, S. G. Extending multiple regression analysis to novel forms of psychological data. Invited Master Lecture, American Psychological Association, Honolulu, July 31, 2004.

West, S. G., Aiken, L. S., & Kwok\*, O. Hierarchical and generalized linear models: What multiple regression didn’t tell us. Invited address. American Psychological Association. Toronto, Ontario, Canada, August, 2003.

Aiken, L. S. Understanding how multi-component interventions work to increase health protective behavior: combining research design and mediational analysis. Invited address, University of California, Irvine, Department of Psychology, December 2, 2002.

Aiken, L. S. Understanding how multi-component interventions work to increase health protective behavior: combining research design and mediational analysis. Invited address, University of Southern California, Department of Psychology, November 13, 2002.

Aiken, L. S. Multiple regression with funny dependent variables: Categories, Ordered Categories, and Counts. Distinguished Visiting Methodologist Address, Center for the Advancement of Research Methods and Analysis, , Virginia Commonwealth University, May, 2001.

Aiken, L. S. Understanding how health protective behavioral interventions work: combining research design and

mediational analysis. Invited address, University of Houston, February, 2001

Aiken, L. S. Understanding how health protective behavioral interventions work: combining research design and

mediational analysis. Invited address, UCLA Health Psychology Series, January, 2000.

Aiken, L. S. Understanding how interventions work: combining research design and mediational analysis. Presidential address to Division 5, American Psychological Association, August 21, 1999, APA Convention, Boston

Aiken, L. S. Multiple regression with funny dependent variables: Categories, ordered categories, counts. Invited

address, American Psychological Association, Divison 5, Washington, DC, August 5, 2000.

Aiken, L. S. Model-based design and evaluation of preventive health interventions: Increasing mammography screening. Invited colloquium, School of Public Health, Bowman Gray Medical School of Wake Forest University, January 23, 1998.

Aiken, L. S. Continuous variable interactions: some insights. Invited address, Western Psychological Association,

San Jose, CA, April, 1996.

Aiken, L. S. Issues and Trends in Quantitative Methods Training in Psychology. Invited address to the Forum on

Research Management, Federation of Behavioral, Psychological, and Cognitive Sciences. Washington, DC, March 21, 1996.

Aiken, L. S. Invited colloquium, Women's Studies Program, University of Texas at Austin: "Women Protecting their Health: The Role of Health Psychology." February 10, 1995.

Aiken, L. S., & West, S. G., Development, Implementation, Evaluation, and Followup of Interventions to Increase Cancer Screening. Invited address to thee Psychometric Society, Berkeley, California, June 19, 1993.

Aiken, L. S. Statistical power and reliability in the testing of continuous variable interactions in multiple regression. Invited talk to the Quantitative Psychology group, Psychology Department, University of Southern California, April, 1992.

Aiken, L. S. Design, implementation, and evaluation of an intervention to increase mammography screening rates. Invited talk to the Health Psychology Group, UCLA, Psychology Department, February, 1992.

Aiken, L. S. Post hoc probing of interactions in multiple regression: Strategies, statistical power, and reliability. Invited talk to the Psychometric Group, Psychology Department, UCLA, December, 1991.

Aiken, L. S., West, S. G., & Reynolds\*, K. D. Implementation and evaluation of theory‑based behavioral intervention to increase mammography screening. Invited presentation at Mahidol University, Bangkok, Thailand, January, 1989.

Aiken, L. S., & West, S. G. Interactions in multiple regression: Testing, post hoc probing, and interpretation. Invited Symposium Paper for Western Psychological Association, April, 1987.

Aiken, L. S. (1985). Causal modeling in psychology. Invited address. University of British Columbia, University of Arizona, 1985.

 WORKSHOPS

Aiken, L. S. (2016). Title: The Many Faces of Regression Analysis, Part 2: Multilevel Analysis and the

Generalized Linear Model for Binary and Count Outcomes. University of Texas: El Paso, April 15, 2016.

Aiken, L. S. (2016). The Many Faces of Regression Analysis, Part 1: Linear Regression, Curvilinear and Interaction Effects, and Regression Diagnostics. University of Texas: El Paso, April 15, 2016.

West, S. G. & Aiken, L. S. (2009). Seeing your data: Exploring and visualizing relationships. (Lecture by West; SPSS graphics by Aiken). Western Psychological Association. Portland, OR, April 26, 2009.

Aiken, L. S. Understanding Why and When Intervention Strategies Work: How Mediation and Moderation Analyses Can Link Psychosocial Modeling and Behavioral Interventions: Part 2. Society of Behavioral Medicine, San Diego, CA, March 26, 2008.

Aiken, L. S. Multilevel Modeling, an introduction. Statistics workshop. Statistics workshop presented at Western Psychological Association, Irvine, CA, April 13, 2008.

 Aiken, L. S. Multilevel regression models. Statistics workshop presented at Western Psychological Association, Palm Springs, CA, April, 2006.

 Aiken, L. S. Interactions in multiple regression. Statistics workshop presented at Western Psychological Association, Portland, OR, April 17, 2005.

Aiken, L. S., and Taylor\*, A. B. Multiple regression with funny dependent variables: Categories, ordered categories, counts. Statistics workshop presented at Western Psychological Association, Vancouver, British Columbia, April, 2003.

PRESENTATIONS (1984 to present listed)

Reid, A. E. & Aiken, L. S. (2015, January). *Cognitively linked but behaviorally distinct: The interplay of descriptive and injunctive norms in influencing behavior.*  Poster presented at the 16th annual meeting of the Society for Personality and Social Psychology, Long Beach, CA.

Aiken, L. S. Roger Millsap as a faculty member and colleague. Symposium presentation in “Remembering Roger Millsap: Some perspectives on a scholarly life. Presented at Society for Multivariate Experimental Psychology, Nashville, TN: October 10, 2014.

Phund, R. A., Hailstorks, R., Norcross, J. C., Aiken, L. S., Stamm, K., and Christidis, P. Undergraduate study in psychology I: The psychology curriculum and major. Poster presented at American Psychological Association, Washington, DC: August 8, 2014.

 Hailstorks, R., Norcross, J. C., Aiken, L. S., Stamm, K., and Christidis, P. Undergraduate study in psychology II: Assessments and outcomes. Poster presented at American Psychological Association, Washington, DC: August 8, 2014.

Yeung, E. W. H., Davis, M. C., & Aiken, L. S. (2014). *Do Positive Social Relations Carry Over to Impact Next-day Fatigue in Women with Fibromyalgia?* Oral presentation at meeting of American Psychosomatic Society, San Francisco, CA, Abstract 1583, March 15, 2014

Yeung\*, W. H., Aiken, L. S., & Davis, M. The role of interpersonal enjoyment on daily fatigue in women with fibromyalgia: A multilevel structural equation modeling approach. Society for Multivariate Experimental Psychology, St. Petersburg, FL, October 17, 2013.

Aiken, L. S., & Enders, C. K. Variable Centering Clarifies Interpretation in Interactive, Multilevel, and Longitudinal Models. Symposium presentation at American Psychological Association, Honolulu, HI, August 1, 2013.

Aiken, L. S., & Reid\*, A. E. Enhancing health protective behavior by correcting injunctive norm misperceptions. Society for Multivariate Experimental Psychology, Vancouver, British Columbia, CA. October, 2012.

Ma, Y\*., Aiken, L.S., & West, S. G. Comparison of statistical power for testing interactive versus quadratic effects using measured variable versus latent variable approaches. American Statistical Association, Miami, FL, August 3, 2012

Driscoll\*, M.; Davis, M.; Aiken, L.; et al. (2012). Distinct coping patterns: Implications for adaptation in infertility. Annals of Behavioral Medicine 43, S1,  Pages: S115-S115. PR 2012

Ranby\*, K. W., & Aiken, L. S. The positive and negative ways husbands influence their wives exercise. . Poster presented at the annual conference of the Society for Personality and Social Psychology, San Antonio, TX. January, 2011.

Reid\*, A. E., & Aiken, L. S. Being approved of by the Joneses: Utilizing group norms to motivate behavior change. Poster presented at the annual conference of the Society for Personality and Social Psychology, San Antonio, TX. January, 2011.

Moser, S.E.,Shiota, M.N., & Aiken, L.S. Physiological responses to images of damaging effects of the sun. Poster presented at the annual conference of the Society for Psychophysiological Research,

 Portland, OR., October, 2010.

Reid,\* A. E., & Aiken, L. S. Characterizations of Descriptive and Subjective Norm in the Theory of Planned Behavior: Independent or Combined? Poster presented at the annual conference of the Society for Personality and Social Psychology, Las Vegas, NV. January, 2010

Moser\*, S.E., Aiken, L. S., & Shiota, M. N. Experienced and anticipated emotion in decision-making: How you feel when considering a behavior influences how you think you will feel with the outcome. Poster presented at the annual conference of the Society for Personality and Social Psychology, Las Vegas, NV. January, 2010

Ranby\*, K. W., & Aiken, L. S. What makes young adults feel vulnerable to realistic negative events. Poster presented at Society for Personality and Social Psychology, Tampa, Florida, February, 2009.

Moser\*, S. E., Shiota, M. N., & Aiken, L. S. The role of conflicting anticipated emotions in behavior: A mediation analysis approach. Poster presented at Society for Personality and Social Psychology, Tampa, Florida, February, 2009.

Reid,\* A. E., & Aiken, L. S. Comparison of five models of health behavior: Common strengths and unique contributions to understanding condom use. . Poster presented at Society for Personality and Social Psychology, Tampa, Florida, February, 2009.

Reid,\* A. E., & Aiken, L. S. Comparison of five models of health behavior: Common strengths and unique contributions to understanding condom use. . Poster presented at Society for Personality and Social Psychology, 2008

Aiken, L. S. Sun Protection versus Sunbathing: Additional positive effects of intervening on one aspect of a risk behavior. In S. Lippke, organizer. Healthy Lifestyles consisting of different behaviors: Understanding mechanisms for designing effective interventions. Symposium paper at International Congress of Psychology, Berlin, Germany, July, 2008.

Aiken, L. S., Panter, A. T., & Boodoo, G. APA Task Force to increase the number of quantitative psychologists.

Paper presented at the Society for Multivariate Experimental Psychology, Lawrence, Kansas, October, 2006.

Aiken, L. S., & West, S. G. Quantitative training in psychology: a decade of stability and change. Invited paper presented at American Psychological Association, New Orleans, LA. August. 2006.

Aiken, L. S. Ballet and Statistics, Beautiful Forms, Art and Science. Invited symposium presentation. In A. Entin, Organizer. Psychologist as artist; artist as psychologist. American Psychological Association, New Orleans, LA, August, 2006

Reid\*, A. E., Moser\*, S. E., Erchull\*, M. J., Aiken, L. S., & Wilke\*, K. M. (2006) Pharmaceutical versus natural dietary supplements: Women’s use and evaluation. Poster presented at Western Psychological Association, Palm Springs, CA, April, 2006.

Moser\*, S. E., Erchull\*, M. J., Wilke\*, K. M., Reid\*, A. E., & Aiken, L. S. (2006). Taking medication when risks exceed benefits: postmenopausal hormone therapy. Poster presented at Western Psychological Association, Palm Springs, CA, April, 2006.

Wilke\*, K. M., Gerend\* M. A., Aiken, L. S., & Erchull\*, M. J. (2006). Perceived risk correlates: It all depends on risk measurement strategy. Poster presented at Western Psychological Association, Palm Springs, CA, April, 2006.

Wu\* W., West S. G., Aiken L. S., Caselli R. J., Santerre-Lemmon L. E., Merkley. T. L., Chen K., Reiman E. M. & Alexander G. E. Effect of APOE **4** on longitudinal rates of change of verbal memory performance in cognitively normal adults. Paper presented at the Society for Neuroscience Annual Meeting, Washington, DC, Nov 2005.

Taylor\*, A. B., West, S. G., & Aiken, L. S. Effects on power of coarsely categorizing an outcome variable. Poster presented at American Psychological Association, Washington, DC, August 20, 2005.

Wu\* W., West S. G., Aiken L. S., Caselli R. J., Santerre-Lemmon L. E., Merkley. T. L., Chen K., Reiman E. M. & Alexander G. E. (2005). Effect of APOE **4** on longitudinal rates of change of verbal memory performance in cognitively normal adults. Presented to the ESAC/ARC Alzheimer Annual Meeting, Phoenix, Arizona, April 2005.

Erchull\*, M. J., Duran\*, J. L., & Aiken, L. S. Confronting the risks of medication: The case of hormone therapy. Poster presented at Western Psychological Association, Portland, OR, April 14, 2005.

Gerend\*, M. A., Aiken, L. S., Lapin\*, A.., & Erchull\*, M. J. What sustains prevention behavior? Understanding women’s long-term hormone therapy use. Poster presented at American Psychological Association, Honolulu, July 29, 2004.

Erchull\*, M. J., & Aiken, L. S. Women’s Health Initiative Findings and Women’s Use of Hormone Therapy. Poster presented at Western Psychological Association, Phoenix, Arizona, April, 22, 2004.

Erchull\*, M. J., & Aiken, L. S. Unraveling women’s perception of choice to initiate hormone therapy. Poster presented at Western Psychological Association, Phoenix, Arizona, April, 22, 2004.

Schmiege\*, S. J., Aiken, L. S., & Sander\*, J. L. Osteoporosis protection in young women: Models of weight-bearing exercise. Poster presented at Western Psychological Association, Phoenix, Arizona, April, 22, 2004.

Schmiege\*, S. J., Sander,\* S., & Aiken, L. S. Young women and osteoporosis: A psychosocial model of calcium consumption. Poster presented at Western Psychological Association, Vancouver, British Columbia, April, 2003.

Patock-Peckham\*, J. A., Cialdini, R. B., Sagarin\*, B. J., Gerend, M., & Aiken, L. S. Piercing the illusion of invulnerability to STD risk. Poster presented at Western Psychological Association, Vancouver, British Columbia, April, 2003.

Rheulman, L., Karoly, P., Newton, C., Aiken, L. , Todd, M., & Fairholmn, C. Development of the Chronic Pain Screen. Poster Presentation American Psychosomatic Society, 61st Annual Scientific Meeting, Phoenix, AZ, March 5, 2003.

Erchull\*, M. J., Aiken, L. S., & West, S. G. Hormone replacement therapy (HRT) decisions and post-decisional HRT outcomes. American Psychological Association, Chicago, IL., August 22, 2002.

Aiken, L. S. Traditional teaching works in quantitative psychology. American Psychological Association, Chicago, IL., August 24, 2002.

Erchull\*, M. J., & Aiken, L. S. Post-decisional processes following initial adoption of hormone replacement therapy. Western Psychological Association, Irvine, CA, April, 2002.

Burke, H. M., Aiken, L. S., Saunders, A. M., Pietrini, P., Ricciardi, E., Reiman, E. M., Rapoport, S. I., Schapiro, M. B., & Alexander, G. E. Effect of age and apolipoprotein E e4 on longitudinal cognitive decline in down syndrome. Paper presented at Society for Neuroscience. San Diego, Ca. November, 2001.

Aiken, L. S. Methodological Training for Ph.D. Psychologists: Current Status, Needs, Potential Mechanisms. Symposium Chair, American Psychological Association, San Francisco, CA, August, 2001.

Aiken, L. S. Statistics, Measurement, and Methods Training: Survey of 201 Ph.D. Programs. Paper presented at

American Psychological Association, San Francisco, CA, August, 2001.

Gerend\*, M. A., Aiken, L. A., & West, S. G. Personality influences older women's perceived susceptibility to diseases of aging. Poster presented at American Psychological Association, San Francisco, CA, August, 2001.

Patock-Peckhan\*, J. A., Cialdini, R. B., Newton, C., Gerend\*, M., Aiken, L. S., & Sagarin, B. An alcohol expectancy intervention for drinking and driving: puncuting the illusion of invulnerability. Poster presented to Research Society on Alcoholism, Montreal, Quebec, CA. June, 2001.

Aiken, L. S., West, S. G., & Millsap, R. Don't shoot the messenger: Preliminary results from a survey of quantitative curriculum in psychology departments in North American. Society for Multivariate Experimental Psychology,

Saratoga Springs, NY. October 19, 2000.

Aiken, L.S, & West, S. G. Probing three-way interactions in multiple regression: simple interaction tests. Poster

presented at American Psychological Association, Washington, DC, August 6, 2000.

Gerend\*, M. A., & Aiken, L. S. Older and wiser? Women's Perceived Risk for Diseases of Aging. Poster presented at the American Psychological Association. Washington, DC. August 8, 2000.

Jackson, K. M., & Aiken, L. S. Model-Based Intervention to Encourage Sun Protection in Young Women. Poster presented at American Psychological Association, San Francisco, August, 1998.

Aiken, L. S., & Lapin\*, A. Correlates of Hormone Replacement Therapy Utilization Beyond Physician Recommendation. Poster presented at American Psychological Association, San Francisco, August, 1998.

Bryan,\* A. D., Schindeldecker\*, M. S., & Aiken, L. S. Cross-validation of a condom use model for men: adding sexual self- control. Poster presented at American Psychological Association, San Francisco, August, 1998.

Bryan,\* A. D., Aiken, L. s., & West, S. G. Incarcerated adolescents' judgments of the probability of condom use.

Poster to be presented at American Psychological Association, San Francisco, August, 1998.

West, S. G., & Aiken, L. S. Towards understanding effects of individual components in multicomponent interventions. Paper presented at the Mediation Conference, Arizona State University, Tempe, Arizona, March 24, 1998.

Aiken, L. S. Doctoral training in statistics, methodology, and measurement in North American psychology programs. Paper presented at the Society for Multivariate Experimental Psychology, Scottsdale, Arizona, October 16, 1997.

Lapin\*, A., & Aiken, L. S. Women's intentions for long-term use of hormone replacement therapy. Symposium paper

presented at American Psychological Association, Chicago, IL., August 18, 1997.

Aiken, L. S. Symposium Organizer. Women's Adoption and Use of Long-Term Hormone Replacement Therapy.

Symposium presented at American Psychological Association, Chicago, IL., August 18, 1997.

Jackson\*, K. M., & Aiken, L. S. Meta-analysis of sun-protective interventions. Poster presented at the American Psychological Association, Chicago, IL., August 17, 1997.

Lewis, A., & Aiken, L. Someone else's health: responsibility for giving a partner a sexually transmitted disease. Poster presented at Midwestern Psychological Association, Chicago, IL., May 9, 1997.

Aiken, L. S., & Jackson\*, K. M. Exporting health promotion research to the Hispanic Community: Process, Model, Intervention Outcomes. Paper presented at the conference on Psychosocial and Behavioral Factors in Women's Health. Washington, D. C., September, 19-21, 1996.

Aiken, L. S., & West, S. G. Clarifying predictor centering in regression with interactions. Poster presented at American Psychological Association, Toronto, Ontario, August 11, 1996.

Aiken, L. S., Jackson\*, K. M., & Lapin\*, A. Impact of mammography guidelines controversy on physician and client behavior. Poster presented at American Psychological Association, Toronto, Ontario, August 12, 1996.

Jackson\*, K. M., Aiken, L. S., & Lapin\*, A. Impact of medical controversy on health behavior: Mammography screening. Poster presented at Western Psychological Association, San Jose, California, April 13, 1996.

Aiken, L. S., Jackson\*, K. M., Pero\*, V. I., Lapin, L., & Castro, F. Exporting health intervention research to the Hispanic community. Poster presented at the First ASU Biennial Conference on Minority Issues in Prevention. Arizona State University, Phoenix, Arizona, February 22, 1996.

Jackson\*, K. M., Aiken, L. S., Lapin\*, A., Pero\*, V. I., & Castro, F. G. A psychological model of adherence with mammography screening guidelines among Hispanic women. Poster presented at the First ASU Biennial Conference on Minority Issues in Prevention. Arizona State University, Phoenix, Arizona, February 22, 1996.

Aiken, L. S., Jackson\*, K. M., Lapin\*, A., & Pero\*, V. I. Mammography screening in Hispanic women: correlates and response to intervention. Poster presented at American Psychological Association, New York, August 11-15, 1995.

Bryan\*, A. D., Aiken, L. S., & West, S. G. Increasing safer-sex behavior in late adolescent women. Poster presented at American Psychological Association, New York, August 11-15, 1995.

Bryan\*, A. D., Aiken, L. S., & West, S. G. Behavioral outcomes of a theory-based intervention to increase condom use. Paper presented at Western Psychological Association, Los Angeles, CA, March 30-April 2, 1995.

Aiken, L S., Jackson\*, K .M., Lapin\*, A., & Pero\*, V. I. Correlates of compliance with mammography screening guidelines among Hispanic women. Paper presented at Western Psychological Association, Los Angeles, CA, March 30-April 2, 1995.

Aiken, L. S., & West, S. G. Comparing treatment effect estimates from experimental and quasi-experimental designs. Paper presented at the Society for Multivariate Experimental Psychology, Princeton, New Jersey, October 27-29, 1994.

Aiken, L. S., & Goodwin\*, E. K. Mammography screening in older women; correlates and responsiveness to intervention. Paper presented at American Psychological Association, Los Angeles, CA, August 12-15, 1994.

Krull\*, J. L., West, S. G., & Aiken, L. S. Categorical by continuous variable interactions: Interpreting regression coefficients. Paper presented at American Psychological Association, Los Angeles, CA, August 12-15, 1994.

Aiken, L. S., Stein, S. G., & Bentler, P. M. Daily life of heroin addicts in and out of treatment. Symposium paper:

Use of Structural Equation Modeling in the analysis of Longitudinal Drug Use Data, Gordon Barnes, Organizer. Paper presented at American Psychological Association, Los Angeles, CA, August 12-15, 1994.

West, S. G., Aiken, L. S., & Krull\*, J. Complex experimental personality designs: data analysis issues. Paper presented at Nag's Head Conference on Personality and Social Behavior. Highland Beach, FL. June, 1994.

Williams, T. M., Aiken, L. S., Reno, R. & Painter, S. L. Causal modeling of adaptation to motherhood from the

prenatal to early postpartum period. International Conference on Infant Studies, Paris, June 2-5, 1994 (paper accepted, but not presented).

Aiken, L. S. Increasing mammography screening rates among Caucasian and Hispanic women. American Psychological Association Conference, Psychosocial and Behavioral Factors in Women's Health: Creating an Agenda for the 21st Century. Washington, D. C., May 11-14, 1994.

Aiken, L. S., Pero\*, V. I., & Castro, F. G. Exporting health intervention research to the Hispanic community. Western Psychological Association, Kona, Hawaii, April 28-31, 1994.

Aiken, L. S., & West, S. G. Increasing screening mammography in asymptomatic women: Evaluation of a second generation, theory-based program. Paper presented at Society for Multivariate Experimental Psychology, San Pedro, California, October, 1993.

Aiken, L. S., & West, S. G. Detecting interactions in multiple regression: Measurement error, power, design considerations. Invited address by Division 5, American Psychological Association, American Psychological Association, Toronto, August, 1993.

Aiken, L. S., & West, S. G. Detecting interactions in multiple regression: Measurement error, power, design considerations. Invited address by Division 5, American Psychological Association, to be presented at the American Psychological Association, Toronto, August, 1993.

Aiken, L. S., & Kreft, I. G. G. Effects of different forms of centering in hierarchical linear models. Poster presented at American Psychological Association, Toronto, August, 1993.

Aiken, L. S., & West, S. G. (co‑chairs). Development, implementation, and evaluation of interventions to increase mammography screening. Symposium to be presented at Western Psychological Association, Phoenix, Arizona, April, 1993.

West, S. G., Aiken, L. S., Woodward, C. K., & Reno, R. R. Health belief and medical system correlates of mammography screening. Symposium paper to be presented at Western Psychological Association, Phoenix, Arizona, April, 1993.

Aiken, L. S., & West, S. G. Outcome evaluation of community based programs to increase mammography screening. Symposium paper to be presented at Western Psychological Association, Phoenix, April, 1993.

Fenaughty,\* A. M. and Aiken, L. S., and West. S. G. Psychosocial correlates of repeated mammography screening. Sysposium paper to be presented at Western Psychological Association, Phoenix, April, 1993.

Johnson\*, J. J., Aiken, L. S., & Luckett\*, T. L. Breast cancer: Risk estimates and risk perceptions in asymptomatic women. Sysposium paper to be presented at Western Psychological Association, Phoenix, April, 1993.

Aiken, L. S., & West, S. G. (co‑chairs). Testing and interpreting interactions in regression analysis. Invited sysposium to be presented at Western Psychological Association, Phoenix, April, 1993.

Aiken, L. S. Statistical power and sample sizes for testing continuous variable interactions. Invited symposium paper to be presented at Western Psychological Association, Phoenix, April, 1993.

Aiken, L. S., & Kreft, I. G. G. Variable centering in hierarchical linear models. Paper to be presented to the Society for Multivariate Experimental Psychology, Cape Cod, MA, October, 1992.

Aiken, L. S., & Molina\*, B. Continuous by categorical variable interactions in multiple regression. Poster presentation at the American Psychological Association, August, 1992.

Aiken, L. S., West, S. G., & Reno\*, R. R. Moderated multiple regression: Post hoc tests with multiple continuous predictors. Paper presented at the American Psychological Association, San Francisco, CA, August, 1991.

Aiken, L. S. Statistical power and reliability issues in post hoc tests of continuous variable interactions. Talk at the Nags Head Conference on Personality, Highland Beach, FL, June 26, 1991.

Aiken, L. S. Training in methodology for prevention research. Paper presented at the second annual conference on Prevention Research, June 17‑ 19, 1991, Washington, D. C.

Aiken, L. S., West, S. G., & Carroll, J. L. Multiple design approaches in the evaluation of large‑scale institutional programs. Paper at American Educational Research Association, Chicago, April, 1991.

Aiken, L. S, West, S. G., Reno\*, R. R., Woodward\*, C. K., & Reynolds\*, K. D. Outcome evaluation of client oriented programs to increase mammography screening. Paper presented at American Psychological Association, Boston, August, 1990.

Aiken, L. S., Hawthorne, J. F., Sheets\*, V. L., Hsiung\*, S. S., Carroll, J. L., & West, S. G. Treatment effect estimates from experimental and quasi‑experimental designs. Paper presented at American Psychological Association, Boston, August, 1990.

Aiken, L. S., West, S. G., & Reno\*, R. R. Increasing compliance with mammography screening recommendations: An outcome evaluation. Paper to be presented at the International Congress of Applied Psychology, Kyoto, Japan, July, 1990.

Aiken, L. S., West, S. G., Woodward\*, C., & Reno\*, R. R. Health Belief Model and objective risk predict mammography compliance. Paper presented at Western Psychological Association, Los Angeles, April, 1990.

Aiken, L. S. & West, S. G. The health belief model and mammography compliance. Paper presented at Society for Experimental Social Psychology, Santa Monica, California, October, 1989.

Aiken, L. S. & West, S. G. Post hoc probing of continuous variable interactions in multiple regression. Paper presented at American Psychological Association, New Orleans, Louisiana, August, 1989.

Aiken, L. S. & West, S. G. Increasing mammography: Evaluation of theory‑based, second generation programs. Paper presented at Western Psychological Association, Reno, Nevada, April, 1989.

Aiken, L. S., Reno, R. R., Williams, T. M., Joy, L., and Gotowiec, A. (1988, August). Role of demographic and other family characteristics in adaptation to motherhood in the perinatal period. Paper presented at the International Congress of Psychology, Sydney, Australia.

Reno\*, R., R., & Aiken, L. S. (1988, April). Causal modeling of longitudinal data with sample size complexities. Paper presented at Western Psychological Association, Burlingame, CA.

Aiken, L. S., & Reno\*, R. R. (1988, April). Heroin addicts' daily activities in and out of methadone treatment. Paper Presented at Western Psychological Association, Burlingame, CA.

Bond\*, G. G., Aiken, L. S., & Somerville, S. (1988, April). Using the Health Belief Model to predict adherence in adolescent diabetics. Paper presented at Western Psychological Association, Burlingame, CA.

Reynolds, K. D., West, S. G., & Aiken, L. S. (1988, April). Increasing the use of mammography: A social psychological analysis. Paper presented at Western Psychological Association, Burlingame, CA.

Aiken, L. S., West, S. G., & Reynolds, K. D., & Silver, C. D. (1987, October). Prevention programming: A social psychological approach. Paper presented at Society for Experimental Social Psychology, Charlottesville, VA.

Aiken, L. S., & West, S. G. Symposium organizers. Adequacy of methodological and quantitative training: perspectives of the disciplines. Symposium presented at American Psychological Association, New York, August, 1987.

Aiken, L. S., West, S. G., & Reno\*, R. R. Sequential significance testing in regression equations with higher order terms. Paper presented at American Psychological Association, Washington, D. C., August, 1986.

Aiken, L. S., & West, S. G. Statistical power and design issues in regression analysis models containing interactions. Paper presented at Western Psychological Association, Seattle, Washington, April, 1986.

Aiken, L. S. (1985). Internal invalidity of true experiments due to self‑report bias. Paper presented at the American Psychological Association, Los Angeles.

Aiken, L. S., & LoSciuto, L. A. (1984). Can we evaluate treatment effectiveness with retrospective measures of clients' status at treatment outset? Paper presented at Eastern Psychological Association, Baltimore, Maryland.

(plus over 30 papers presented from 1968 through 1983).

PERSONAL INFORMATION

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