

**M. Lee Van Horn**

**Address**

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Barnwell College  
University of South Carolina  
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**Education**

University of Alabama at Birmingham, 1996-2001, Ph.D., Developmental Psychology, December, 2001

University of Alabama at Birmingham, M.A., Developmental Psychology, March 2000

Dickinson College, Carlisle Pennsylvania, 1992-1996, B.A. with honors, Psychology, May 1996

**Research and Related Activities**

- 06/12-08/13 Sabbatical Research, 'Collaborative Enhancements in Multilevel Mixture Models', in collaboration with Jeroen Vermunt at Tilburg University, The Netherlands.
- 08/10-Present Associate Professor in Quantitative Psychology, University of South Carolina.
- 08/04-08/10 Assistant Professor in Quantitative Psychology, University of South Carolina.
- 07/03-08/04 Principal Investigator, Social Development Research Group, University of Washington.
- 01/03-05/04 Instructor, School of Psychology, Family, and Community, Seattle Pacific University.
- 03/01-08/04 Data Analyst for the Diffusion Project, Social Development Research Group, University of Washington.

**Funded Research Support**

- 07/14-06/16 Consultant (Daniel Feaster, PI), Identifying Subgroups with Different Responses to HIV Risk Reduction Counseling. NIDA funded grant # R21 DA038641 (Direct: \$150,000).
- 06/14-05/17 Site-PI (Thomas Jaki, PI), Heterogeneity in treatment effects: Can modelling techniques provide personalized prediction of treatment response and uncover groups of respondents? Funding Pending from the UK Medical Research Council (Direct: ~ \$600,000, subcontract: ~ \$225,000).
- 06/12-05/14 Co-Investigator (Shauna Cooper, PI), Fathering Practices and Positive Development among African American Adolescents. NICHD funded grant # R03HD068688 (Direct: \$145,000).

- 07/12-07/17 Co-Investigator (Dawn Wilson, PI), Families Improving Together (FIT) for Weight Loss. NICHD funded grant # R01HD072153 (Direct: \$2,125,000).
- 03/12-03/17 Co-investigator (Flory, K., PI), Mediators of Social Impairment among Children with ADHD, Institute of Educational Sciences, U.S. Department of Education, grant # R01DA030387. (Direct: \$1,530,974)
- 08/07-03/16 Principal Investigator, Risk in Context: New Methodology for Modeling Risk by Context Interactions. NICHD funded grant # 1R01HD054736. (Direct: \$1,047,000).
- 10/10-07/12 Co-investigator (Abigail Fagan, PI), Violent Victimization, Neighborhood Context and Adolescent Drug Use, National Institute on Drug Abuse, grant # R01DA030387. (Direct: \$375,000)
- 10/09-09/12 Co-Investigator (Bret Kloos, PI), Investigating Environmental factors Affecting Community Integration, U.S. Department of Education, National Institute of Disability Rehabilitation and Research.
- 05/07-04/12 Co-Investigator (Dawn Wilson, PI), Improving Safety and Access of Physical Activity. NIDDK funded grant # 1R01DK067615 (Direct: \$1,618,568).
- 04/07-03/09 Co-Investigator (Benjamin Hankin, PI), Genetic, cognitive, and interpersonal vulnerabilities to depression in youth. NICHD funded grant # R01MH077195 (Direct: \$1,200,000).
- 05/06-04/07 Principal Investigator, Assessing Differential Effects of the Community Youth Development Study. Subcontract for NIDA funded grant through the Social Development Research Group, University of Washington (Direct: \$11,073).
- 04/06-03/07 Principal Investigator, New Methodology for Assessing Individual Differences in the Effects of Developmental Contexts. Pilot Grant funded through the Research Consortium on Children and Families, University of South Carolina (Direct: \$22,000).
- 07/05-06/09 Co-Investigator (Dawn Wilson, PI), Self-Determination of Increased Physical Activity, NICHD funded grant # R01 HD045693 (Direct: \$2,000,000).
- 05/05-04/06 Principal Investigator, Assessing Students Problem Behaviors in Community Contexts. Subcontract for NIDA funded grant through the Social Development Research Group, University of Washington (Direct: \$14,824).
- 07/03-07/06 Principal Investigator, Effects of Classroom Practices and School Context. NICHD funded grant # R01HD043400 (Direct: \$100,000).

### **Publications** (47 Peer Reviewed)

\* Students who have worked directly with Dr. Van Horn

\*\* Post doctoral fellows who have worked directly with Dr. Van Horn

# Indicates that Dr. Van Horn is the senior author.

- Lawman\*, H. G., Van Horn, M. L., Wilson, D. K. & Pate, R. R. (In Press). A multilevel approach to examining time-specific effects in accelerometer-assessed physical activity. *Journal of Science and Medicine in Sport*.
- Van Horn, M. L., Jaki, T., Masyn, K., Howe, G., Feaster, D. J., Lamont, A. E., Minjung, K., & George, M. R. W.\*\* (In Press). Evaluating differential effects using regression interactions and regression mixture models. *Educational and Psychological Measurement*.
- Wilson, D. K., Van Horn, M. L., Siceloff, E. R., Alia, K. A., St. George, S. M., Lawman, H. G., Trumpeter, N. N., Coulon, S. M., Griffin, S. F., Wandersman, A., Egan, B., Colabianchi, N., Forthofer, M., Gadson, B. (In Press). The Results of the "Positive Action for Today's Health" (PATH) Randomized Trial for Increasing Walking and Physical Activity in Underserved African American Communities. *Annals of Behavioral Medicine*.
- Lamont, A. E.\* , Van Horn, M. L., Hawkins, D. (2014). Context-dependent pathways of the transmission of risk from communities to individuals. *American Journal of Community Psychology*, Published online before print October 10, 2014.
- Siceloff, B.\*\* , Wilson, D. K., Van Horn, M. L. (2014). A longitudinal study of the effects of Instrumental and Emotional Social Support on Physical Activity in Underserved Adolescents in the ACT Trial. *Annals of Behavioral Medicine*.48, 77-79.
- Van Horn, M. L., Fagan, A. A., Hawkins, J. D. & Oesterle, S. (2014). Effects of Communities That Care system on cross-sectional profiles of adolescent substance use and delinquency. *American Journal of Preventive Medicine*. 47, 188-197.
- George, M. R. W.\*\* , Yang, N.\* , Jaki, T., Feaster, D, Smith, J.\* , Van Horn, M. L.# (2013). Regression mixtures for modeling differential effects and non-normal distributions. *Multivariate Behavioral Research*. 48, 816-844.
- Lyons, M. D.\* , Huebner, S., Hills, K. J., & Van Horn, M. L. (2013). Mechanisms of change in student's life satisfaction: A Longitudinal Analysis. *Journal of School Psychology*. 51, 587-598.
- Fagan, A. A., Van Horn, M. L., Hawkins, J. D., & Jaki, T. (2013). Differential effects of parental controls on adolescent substance use: For whom is the family most important? *Quantitative Criminology* 29, 347-368.
- Peterson, M. S., Lawman, H. G.\* , Fairchild, A., Wilson, D. K., & Van Horn, M. L. (2013). The association of self-efficacy and parent social support on physical activity in male and female adolescents. *Health Psychology*, 32, 666-674. PMID: 22888813
- George, M. R. W.\*\* , Yang, N.\* , Van Horn, M. L. #, Smith, J.\* , Jaki, T., Feaster, D., Masyn, K., Howe, G. (2013). Using regression mixture models with non-normal data: Examining an ordered polytomous approach. *Journal of Statistical Computation and Simulation*, 83, 757-770.
- Lamont, A.\* , Van Horn, M. L. (2013). Heterogeneity in social skill development in early elementary school children. *Social Development*, 22, 384-405.
- St. George, S. M.\* , Wilson, D. K., Lawman, H. G.\* , & Van Horn, M. L. (2013). Weight status as a moderator of the relationship between motivation, social support, and physical activity in underserved adolescents. *Journal of Pediatric Psychology*, 34, 387-397. PMID: 23378172
- Van Horn, D. J., Van Horn, M. L., Barrett, J. E., Gooseff, M. N., Altrichter, A., Geyer, K., Zeglin, L. H., & Takacs-Vesbach, C. D. (2013). Factors Controlling Soil Microbial Biomass and Bacterial Diversity and Community Composition in a Cold Desert Ecosystem: Role of Geographic Scale. *PLOS ONE*. 8(6): e66103.

- Graham, J. W., Van Horn, M. L., & Taylor, B. J. (2012). Dealing with the problem of having too many variables in the imputation model. In J.W. Graham, Missing data: Analysis and design (pp. 213-228). New York: Springer.
- Lawman\*, H. G., Wilson, D. K., Van Horn, M. L., & Zarrett, N. (2012). The role of motivation in understanding social contextual influences on physical activity in underserved adolescents in the ACT Trial: A cross-sectional study. *Childhood Obesity, 8*, 542-550. PMID: 23181920
- Swan, S. C., Gambone, L. J., Van Horn, M. L., Snow, D. L., & Sullivan, T. P. (2012). Factor structures for women's aggression and victimization among women who used aggression against male partners. *Violence Against Women, 18*, 1045-1066.
- Trumpeter, N. N., Lawman, H. G.\*, Wilson, D. K., Pate, R. R., Van Horn M. L., & Tate, A. (2012). Accelerometry cut points for physical activity in underserved African Americans. *International Journal of Behavioral Nutrition and Physical Activity, 9:73* (Published Online June 14). PMID: PMC3464947
- Van Horn, M. L., Smith, J.\*, Fagan, A. A., Jaki, T., Feaster, D. J., Masyn, K., Hawkins, J. D. & Howe, G. (2012). Not quite normal: Consequences of violating the assumption of normality with regression mixture models. *Structural Equation Modeling, 19*, 227–249. PMID: 22754273
- Van Horn, M. L., Karlin, E. D.\*, Ramey, S. L., Wetter, E. (2012). Effects of developmentally appropriate practices on social skills and problem behaviors in first through third grades. *Journal of Research in Childhood Education, 26*, 18-39. Received an Honorable Mention by the Journal of Research in Childhood Education Distinguished Education Research Article Award Program.
- Egan, E. A., Van Horn, M. L., Monahan, K. C., Author, M. W., & Hawkins, J. D. (2011). Community-level effects of individual and peer risk and protective factors on adolescent substance use. *Journal of Community Psychology, 39*, 478-498. Note: order of authorship corrected in Vol 39, p 629.
- Fagan, A. A., Van Horn, M. L., Antaramian\*, S., & Hawkins, J. D. (2011). How do families matter? Age and gender differences in family influences on delinquency and drug use. *Youth Violence and Juvenile Justice, 9*, 150-170.
- Lawman\*, H. G., Wilson, D. K., Van Horn, M. L., Resnicow, K. & Kitzman-Ulrich, H. (2011). The relationship between psychosocial correlates and physical activity in underserved adolescent boys and girls in the ACT trial. *Journal of Physical Activity & Health, 8*, 253-261.
- Wilson D. K., Van Horn M. L., Kitzman-Ulrich, H., Saunders, R., Pate, R. R., Lawman, H. G.\*, Hutto, B., Griffin, S., Zarrett, N., Addy, C., Mansard & L., Mixon, G. (2011). The results of the "Active by Choice Today" randomized trial for increasing physical activity in underserved adolescents. *Health Psychology 30*, 463-471.
- Kitzman-Ulrich, H., Wilson, D. K., Van Horn, M. L., & Lawman, H. G.\* (2010.) The relationship of body mass index and psychosocial factors on physical activity in underserved adolescent males and females. *Health Psychology, 29*, 506-513.
- Wilson, D. K., Trumpeter, N. N., St. George, S. M.\*, Coulon, S. M., Griffin, S., Van Horn, M. L., Lawman, H. G., Wandersman, A., Egan, B., Forthofer, M., Goodlett, B. D., Kitzman-Ulrich, H., & Gadson, B. (2010). An overview of the "Positive Action for Today's Health" (PATH) trial for increasing walking in low income, ethnic minority communities. *Contemporary Clinical Trials, 31*, 624-633.

- Harrod, S. B. & Van Horn, M. L. (2009). Sex differences in tolerance to the locomotor depressant effects of lobeline in periadolescent rats. *Pharmacology, Biochemistry and Behavior*, *94*, 296-304. PMID: 19766134
- Van Horn, M. L., Jaki, T., Masyn, K., Ramey, S. L., Smith\*, J., & Antaramian\*, S. (2009). Assessing differential effects: Applying regression mixture models to identify variations in the influence of family resources on academic achievement. *Developmental Psychology*, *45*, 1298-1313. PMID: 19702393
- Brown, E. C., Hawkins, J. D., Arthur, M. W., Abbott, R. D., & Van Horn, M. L. (2008). Multilevel analysis of a measure of community prevention collaboration. *American Journal of Community Psychology*, *41*, 115-126. PMID: 18176839
- Van Horn, M. L., Fagan, A. A., Jaki, T., Brown, E., Hawkins, J. D., Arthur, M. W., Abbott, R. D., Catalano, R. F. (2008). Using multilevel mixture models to evaluate intervention effects in group randomized trials. *Multivariate Behavioral Research*, *43*(2), 289-326.
- Wilson, D. K., Kitzman-Ulrich, H., Williams, J.E., Saunders, R., Griffin, S., Pate, R., Van Horn, M. L., Evans, A., Sisson, S. B., Hutto, B., Addy, C. (2008). An overview of the Active by Choice Today (ACT) for increasing physical activity. *Contemporary Clinical Trials*, *29*, 21-31. PMID: 17716952
- Fagan, A. A., Van Horn, M. L., Hawkins, J. D., & Arthur, M. W. (2007). Sex similarities and differences in the association between risk and protective factors and self-reported serious delinquency. *Prevention Science*, *8*, 115-124. PMID: 17226092
- Fagan, A. A., Van Horn, M. L., Hawkins, J. D. & Arthur, M. W. (2007). Using community and family risk and protective factors for community-based prevention planning. *Journal of Community Psychology*, *35*, 535-555.
- Fram, M. S., Miller-Cribbs, J., Van Horn, M. L. (2007). Poverty, race, and the contexts of achievement: Examining educational experiences of children in the U.S. South. *Social Work*, *52*, 309-319.
- Van Horn, M. L., Atkins-Burnett, S., Ramey, S. L., Snyder, S. W., & Karlin\*, E. D. (2007). Parents' ratings of their children's social skills: A longitudinal psychometric analyses of the Social Skills Rating System. *School Psychology Quarterly*, *22*, 162-199.
- Van Horn, M. L., Hawkins, J. D., Arthur, M. W., & Catalano, R.F. (2007). Assessing community effects on adolescent substance use and delinquency. *Journal of Community Psychology*, *35*, 925-946.
- Murray, D. M., Van Horn, M. L., Hawkins, J. D., Arthur, M. W. (2006). Analysis strategies for a community trial to reduce adolescent ATOD use: A comparison of random coefficient and ANOVA/ANCOVA models. *Contemporary Clinical Trials*, *27*, 188-206.
- Glaser, R. R., Van Horn, M. L., Arthur, M. W., & Hawkins, J. D. (2005). Validity and construction of the Communities that Care youth survey measure of risk and protection, *Journal of Quantitative Criminology*, *21* (1), 73-102.
- Van Horn, M. L., Karlin, E. D., Ramey, S. L, Aldridge, J., & Snyder, S. W. (2005). Effects of developmentally appropriate practices on children's development: A review of research and discussion of methodological and analytical issues. *The Elementary School Journal*, *105*(4), 325-352.
- Van Horn, M. L. & Ramey, S. L. (2004). A new measure for assessing developmentally appropriate practices, A Developmentally Appropriate Practice Template. *Early Childhood Research Quarterly*, *19*, 569-587.

- Hawkins, D. J., Van Horn, M. L., & Arthur, M. W. (2004). Community variation in risk and protective factors and substance use outcomes. *Prevention Science, 5*(4), 213-219. PMID: 15566047
- Van Horn, M. L. (2003). Assessing the unit of measurement for school climate through psychometric and outcome analysis of the School Climate Survey. *Educational and Psychological Measurement, 63*, 1002-1019.
- Van Horn, M. L., & Ramey, S. L. (2003). The effects of Developmentally Appropriate Practices on academic outcomes among former Head Start students and classmates from first through third grades. *American Educational Research Journal, 40*, 961-990.
- Mulvihill, B. A., Shearer, D. L., & Van Horn, M. L. (2002). The effects of training and experience on child care providers' perceptions of inclusion. *Early Childhood Research Quarterly, 17*, 197-215.
- Van Horn, M. L. & Bellis, J. M., & Snyder, S. W. (2001). Family Resource Scale Revised: Psychometrics and validation of a measure of family resources in a sample of low-income families. *Journal of Psychoeducational Assessment, 19*, 54-68.
- Van Horn, M. L., Ramey, S. L., Mulvihill, B. A., & Newell, W. (2001). Child care choice and appraisal among low-income families receiving child care subsidies. *Child and Youth Care Forum, 30*, 231-249.
- Darling, N., Dowdy, B. B., & Van Horn, M. L. (1999). Mixed sex settings and the perception of competence. *Journal of Youth and Adolescence, 28*, 461-480.
- Van Horn, M. L. & Washington, W. N. (1999). The cost and benefits of quality childcare. *American Psychologist, 54*, 142-144.
- Washington, W. N., Ramey, S. L., & Van Horn, M. L. (1997). Alabama's management system for subsidized child day care. The Department of Human Resources, Montgomery, AL.

### Under Review

- Kim, M. \*\*, Lamont, A. E.\*, Jaki, T., & Van Horn, M. L. # (Under Review). Impact of an equality constraint on the class-specific residual variances in regression mixture: A Monte Carlo simulation study.
- Jaki, T., Kim, M.\*\*, Lamont, A. E.\*, George, M.\*\*, Van Horn, M. L. .# (Under Review). The Effects of Sample Size on the Estimation of Regression Mixture Models.
- Jaki, T., Su, T. L., Kim, M., & Van Horn, M. L.# (Under Review). An evaluation of the non-parametric bootstrap for model validation in mixture models.
- Lamont, A. E. \*, Vermunt, J. K., Van Horn, M. L. # (Revise and Resubmit). C on x: Modeling the covariance between independent variables and latent classes in regression mixture models. *Multivariate Behavioral Methods*.
- Van Horn, M. L., Feng, Y.\*, Kim, M.\*\*, Lamont\*, A., Feaster, D., & Jaki, T. (Revise and Resubmit). Using Multilevel Regression Mixture Models to Identify Heterogeneity in Contextual Effects. *Structural Equation Modeling*.

### Additional Statistical Training

- 1/11-4/11      Audited Statistics 599a (Bayesian Statistics) by David Hitchcock, University of South Carolina Department of Statistics.
- 11/03          Participated in a three day workshop on Statistical Analysis with Latent Variables Using Mplus by Bengt and Linda Muthén in Alexandria VA.

- 04/03 Participated in the one day Randomized Field Trials Seminar presented at the annual meeting of the American Educational Research Association in Chicago IL.
- 04/02 Participated in a one day pre-conference training session, Missing Data in Longitudinal Studies by Joe Schafer at the Society for Prevention Research Annual Meeting in Seattle WA.
- 04/01-05/01 Participated in a 6 week workshop: Analysis of Missing Data: Multiple Imputation with NORM by John Graham at the University of Washington in Seattle WA.
- 05/00 Participated a two day pre-conference training session, Analysis of Longitudinal Data Using Mplus by Bengt and Linda Muthén at the 2000 American Educational Research Association Annual Meeting in New Orleans LA.
- 06/99 Participated in the 1999 Spring Institute on Structural Equation Modeling Using LISREL by Les Hayduk at the University of British Columbia School of Nursing in Vancouver BC.

### Statistical Software

Proficient in HLM, Mplus, R, SPSS, and SAS. Experienced in the use of Amos, LISREL, Latent Gold, MLwin, Multilog, and NORM.

### Teaching

#### University of South Carolina (2004 – Present)

- PSYC 227. Instructor, Psychological Statistics. (3 hr course). Designed and taught undergraduate statistics class and study section for students in psychology. (Number of times taught: 1)
- PSYC 709. Instructor, Quantitative Methods for Behavioral Data I (three, 3 hr courses). Designed and taught statistical class and lab for all Ph.D. students in psychology. (Number of times taught: 5)
- PSYC 710. Instructor, Quantitative Methods for Behavioral Data II (three, 3 hr courses). Designed and taught statistical class and lab for all Ph.D. students in psychology. (Number of times taught: 5)

Student publications resulting from 710:

Glass, K., Flory, K., Hankin, B.L., Kloos, B., & Turecki, G. (2009). Are coping styles, social support, and hope associated with psychological distress among Hurricane Katrina survivors? *Journal of Social and Clinical Psychology, 28*(6), 779-795.

Kloos, B. & Townley, G. (2010). Investigating the relationship between neighborhood experiences and psychiatric distress for individuals with serious mental illness. *Administration and Policy in Mental Health.*

Lawman\*, H. G., Wilson, D. K., Van Horn, M. L., Resnicow, K., Kitzman-Ulrich, H. (2011). The Relationship between Psychosocial Correlates and Physical Activity in Underserved Adolescent Boys and Girls in the ACT Trial. *Journal of Physical Activity & Health, 8*, 253-261.

St. George, S. M.\*, Wilson, D. K., Lawman, H. G. \*, & Van Horn, M. L. (2013). Weight status as a moderator of the relationship between motivation, social support, and physical activity in underserved adolescents. *Journal of Pediatric Psychology*, 34, 387-397. PMID: 23378172

PSYC 761. Instructor, Clinical Psychology Assessment I (3 hr course). Designed and taught assessment class for Ph.D. students in Clinical Psychology. (Number of times taught: 2)

PSYC 824. Instructor, Seminar in Multilevel Modeling (3 hr course). Designed and taught advanced class and lab for Ph.D. students in Psychology. (Number of times taught: 2)

Student publications resulting from 824:

Lyons, M. D.\*, Huebner, S., Hills, K. J., & Van Horn, M. L. (Under Review). Mechanisms of change in student's life satisfaction: A Longitudinal Analysis. *Journal of School Psychology*.

McQuillin, S., Smith, B., & Strait, G. (2011). Randomized evaluation of a single semester transitional mentoring program for first year middle school students: A cautionary result for brief, school-based mentoring programs. *Journal of Community Psychology*, 39(7), 844–859.

Coulon, S. M., Wilson, D. K., Alia, K. A., & Van Horn, M. L. (Under Review). Multilevel Interactions of Neighborhood Poverty, Crime, and Satisfaction with Blood Pressure in African-American Adults.

PSYC 824. Instructor, Seminar in Structural Equation Modeling (3 hr course). Designed and taught advanced class and lab for Ph.D. students in Psychology. (Number of times taught: 1)

Student publications resulting from 824:

Townley, G. & Kloos, B. (2009). Development of a measure of sense of community for individuals with serious mental illness residing in community settings. *Journal of Community Psychology*, 37(3), 362–380.

### **Seattle Pacific University (2003 – 2004)**

CPY 7010. Instructor, Psychometric Theory and Test Construction. (4 hrs.) Designed and taught psychometrics class for the clinical psychology Ph.D. program. (Number of times taught: 2)

### **University of Alabama at Birmingham (1999 – 2001)**

ED 609. Instructor, Statistical Methods and Research in Education--Intermediate. (3 hrs.). Designed and taught this advanced statistics course for Ph.D. students in education. (Number of times taught: 1)



- PY 213. Instructor, Cross Cultural Perspectives in Child Development. (3 hrs.) Designed and taught this undergraduate course. (Number of times taught: 1)
- PY 214. Instructor, Elementary Statistical Methods and Design. (3 hrs.) Used a designated text to teach this introductory undergraduate course in statistics. (Number of times taught: 1)
- PY 217. Instructor, Statistics Lab. (1 hr. labs) This lab is independent of the statistics class. (Number of times taught: 3)
- PY 719. Lab instructor, Multivariate Statistics Lab. Designed and taught lab in consultation with course instructor. (Number of times taught: 1)

### Student Committees

#### Dissertation

- Current      Kassandra Kugler, Clinical and Community Psychology, Ph.D. committee, University of South Carolina
- Current      Meyers, Duncan, Clinical and Community Psychology, Ph.D. committee, University of South Carolina
- 12/12        Yang, Na, Statistics, Ph.D. committee, Modeling Mixed Unfolding/Monotone Dichotomous Item Exams, University of South Carolina
- 09/12        Lawman, Hannah, Clinical and Community Psychology, Ph.D. committee, Relations among risk for metabolic syndrome, social ecological factors, nutrition, and physical activity in underserved youth, University of South Carolina
- 12/11        Tan, Li, Statistics, Ph.D. committee, University of South Carolina
- 01/11        Schueler, Christie, Clinical and Community Psychology, The Role of Caregiver Contingent Responsiveness in Promoting Compliance and Preventing Verbal and Physical Aggression in Preschool-Aged Children, Ph.D. committee, University of South Carolina
- 07/08        McGregor, Brian, The social ecology of support in supportive housing and its impact on psychological distress and well-being. Clinical and Community Psychology Ph.D. committee, University of South Carolina
- 05/06        Fuchs, Margaret, Executive function and children's social competence: The role of inhibitory control. Clinical Psychology Ph.D. committee, Seattle Pacific University
- 04/06        Wilkins, Megan, The Role of ADHD Symptomology and Alcohol use in College Students Attrition. Clinical and Community Psychology Ph.D. committee, University of South Carolina

#### Masters

- 12/12        Kassandra Kugler, Reader, Clinical Community Masters committee, University of South Carolina
- 05/08        Lemanski, Audrey, Chair, School Psychology Masters committee, University of South Carolina
- 04/07        Frye, Lindsey, Chair, School Psychology Masters committee, University of South Carolina

### Service

- 07/13 – 03/14 Chair, Full Professor in Quantitative Psychology Search Committee, Department of Psychology, University of South Carolina
- 08/11 – 05/12 Executive Committee, Department of Psychology, University of South Carolina
- 08/10 – 03/12 Faculty Contact for the creation of Quantitative Area of Emphases in Clinical/Community, Experimental, and School Psychology PhD programs.
- 10/09, 06/10 Temporary member NIH study section: Interventions Committee For Disorders Involving Children And Their Families (ITVC)
- 02/09 External grant reviewer for faculty development awards at San Diego State University, supported by NIH grant R24MH065515, Terry Cronan, PI.
- 02/09 Temporary member NIH study section: Interventions Committee For Disorders Involving Children And Their Families (ITVC)
- 07/07 – 01/08 Chair, Quantitative Psychology Search Committee, Department of Psychology, University of South Carolina
- 08/05 – 07/06 Executive Committee, Department of Psychology, University of South Carolina
- 08/05 – 01/07 Search Committee, Methodology and Statistics for Child/Family Research, Departments of Biostatistics, Psychology, and Statistics, University of South Carolina

Ad Hoc Reviewer: Journal of the Royal Statistical Society; PLOS ONE; Journal of the American Medical Association, Journal of Consulting and Clinical Psychology, Health Psychology, Multivariate Behavioral Research, Prevention Science, European Journal for Survey Methodology, American Educational Research Journal, Early Childhood Research Quarterly, Personality and Social Psychology Bulletin, International Statistical Review, International Journal of Behavioral Development, Behavioral Research Methods

### Workshops

- Van Horn, M. L. (May 2008). Applied Multilevel Design and Analysis. Workshop conducted at the University of Melbourne, co sponsored by Murdoch Children's Research Institute, Royal Children's Hospital, Melbourne, Australia.
- Van Horn, M. L. (June, 2007). Statistics for Primatologists Workshop: Analyses of Longitudinal Data Using Multilevel Modeling. Workshop conducted at the thirtieth annual meeting of the American Society of Primatologists: Winston-Salem NC.

### Presentations

- Van Horn, M. L. (chair) (May, 2014). Advances in Regression Mixture Modeling. Paper symposium presented at the annual conference of the Society for Prevention Research: Washington DC.
- Kim, M., Lamont, A., Feng, Y., & Van Horn, M. L. (May, 2014). Using multilevel regression mixture models to identify heterogeneity in contextual effects. Paper presented at the annual conference of the Society for Prevention Research: Washington DC.

- Lamont, A., Van Horn, M. L. & Vermunt, J. (May, 2014). C on x: Modeling the covariates between independent variables and latent classes in regression mixture models. Paper presented at the annual conference of the Society for Prevention Research: Washington DC.
- Peccirilli, V. & Van Horn, M. L. (May, 2014). Predicting latent classes: How to best understand differential effects. Paper presented at the annual conference of the Society for Prevention Research: Washington DC.
- Van Horn, M. L. (November, 2012). Using finite mixtures to find differential effects. Paper presented at the Department of Methodology and Statistics, Utrecht University, Netherlands.
- Brown, E., Beyers, J., Catalano, R., Herrenkohl, T., Toumborou, J., & Van Horn, M.L. (February, 2012). Cross-national equivalency of communities that care- Based risk and protective factor scales between the United States and Australia. Paper symposium presented at the Society for Research in Child Development themed meeting Developmental Methodology: Tampa, FL.
- Van Horn, M. L. (chair) & Jaki, T. (February, 2012). Moderation without a moderator: Using regression mixtures to find differential effects. Paper symposium presented at the Society for Research in Child Development themed meeting Developmental Methodology: Tampa, FL.
- George, M.R.W., Yang, N., & Van Horn, M.L. (February, 2012) A Novel Approach for Dealing with Non-Normal Errors When Using Regression Mixture Models. Paper symposium presented at the Society for Research in Child Development themed meeting Developmental Methodology: Tampa, FL.
- Li, T., George, M.R.W., & Van Horn, M.L. (February, 2012) Identifying Heterogeneity with Multilevel Regression Models and Multilevel Regression Mixture Models. Paper symposium presented at the Society for Research in Child Development themed meeting Developmental Methodology: Tampa, FL.
- Van Horn, M.L., Clark, S., Petras, H., Nylund-Gibson, K., & Pena, J. (February, 2012). Growth mixture modeling with and without “zero class”. Paper symposium presented at the Society for Research in Child Development themed meeting Developmental Methodology: Tampa, FL.
- Van Horn, M. L. (chair) & Jaki, T. (June, 2011). Moderation without a moderator: Rethinking differential effects. Paper symposium presented at the annual conference of the Society for Prevention Research: Washington DC.
- Van Horn, M. L. (February, 2011). Rethinking individual differences. Invited colloquium at the Department of Psychology, Georgia Institute of Technology, Atlanta, GA.
- Fagan, A. A. & Van Horn, M. L. (June, 2010). Comparing methods for estimating the effects of parenting practices on adolescent problem behavior: May the best method win! Paper symposium presented at the annual conference of the Society for Prevention Research: Denver, CO.

- Van Horn, M. L. (chair), Smith, J., Fagan, A. A., & Jaki, T. (June, 2010). How to break regression mixture models. Paper symposium presented at the annual conference of the Society for Prevention Research: Denver, CO.
- Wilson, D. K., Johnson, E., Mijares, S., Trumpeter, N., Lawman, H., Brown, P., Griffin, S., Wandersman, A., Van Horn, M. L., Kitzman-Ulrich, H., Egan, B, Coulon, S., & Goodlett, B. (February, 2009). Using Community Empowerment to Increase Physical Activity (PA) in Low Income African American Communities: The Positive Action for Today's Health (PATH) Trial. Paper presented at the Active Living Research Conference: San Diego, CA.
- Fagan, A. A., Van Horn, M. L. & Hawkins, J. D. (May, 2009). The Moderated Effects of Parenting Practices on Self-Reported Serious Delinquency: For Whom Is Family Most Important? Paper symposium presented at the annual conference of the Society for Prevention Research: Washington DC.
- Van Horn, M. L. (chair), Masyn, K., & Burrell, G. (May, 2009). Curing our functional fixedness in the use of fixed effects models: Regression mixtures and differential effects. Paper symposium presented at the annual conference of the Society for Prevention Research: Washington DC.
- Van Horn, M. L., Jaki, T., Fagan, A. A. & Hawkins, J. D. (April, 2009). Multilevel mixture models in group randomized trials. Paper presented at the annual conference of the American Educational Research Association, San Diego, CA.
- Cheely, C.A., Hankin, B.L., & Van Horn, M.L. (November, 2008). Sex Differences in the Children's Depression Inventory: A Test of Measurement Invariance. Paper presented at the 42<sup>nd</sup> Annual Meeting of the Association for Behavioral and Cognitive Therapies Conference, Orlando , FL.
- Johnson E, Wilson DK, Griffin S, Mijares S, Sharpe P, Wandersman A, Van Horn ML & Trumpeter N, Egan B. (February, 2008). An overview of the Positive Action for Today's Health (PATH) Trial for improving safety and access for physical activity. Presented at the Active Living Conference: Washington, DC.
- Van Horn, M. L., Walker, R., & Northrup, T. (May, 2007). Differences between Caucasians and African Americans in the Beck Depression Inventory. Paper presented at the annual conference of the Society for Prevention Research: Washington DC.
- Van Horn, M. L., Jaki, T., Fagan, A. A. & Hawkins, J. D. (May, 2007). Multilevel mixture models in group randomized trials. Paper presented at the annual conference of the Society for Prevention Research: Washington DC.
- Van Horn, M. L. (November, 2006). Beyond the average: The use of finite mixture models to study individual differences in the effects of families on cognitive development. Joint Psychology and Statistics Colloquium, Cleveland State University.
- Fagan, A. A., Van Horn, M. L. & Hawkins, J. D. (November, 2006). The Relationship between Sex, Age, Family Processes, and Involvement in Problem Behaviors. Paper presented at the Annual Meeting of the American Society of Criminology: Los Angeles, CA.

- Van Horn, M.L., Fagan, A., Jaki, T., Brown, E., Hawkins, J.D., Arthur, M., & Catalano, R. (May, 2006). Validation of a multilevel mixture model of substance use and delinquency. Paper presented at the annual conference of the Society for Prevention Research: San Antonio, TX.
- Arthur, M. W., Van Horn, M. L., & Hawkins, J. D. (May, 2005). Predicting substance use using community levels of risk and protective factors. Paper presented at the annual conference of the Society for Prevention Research: Washington DC.
- Fagan, A. A., Van Horn, M. L., Hawkins, J. D., & Arthur, M. Gender Similarities and Differences in the Association Between Risk and Protective Factors and Self-Reported Serious Delinquency. Poster presented at the Annual Meeting of the Society for Prevention Research: Washington, D.C.
- Van Horn, M. L., Brown, E., Hawkins, J. D., & Arthur, M. W. (May, 2005). Application of Multilevel Latent Class Analysis to School-Based Prevention Studies. Paper presented at the annual conference of the Society for Prevention Research: Washington DC.
- Arthur, M. W., Van Horn, M.L., Egan, B., & Hawkins, D.J. (June, 2005). Studying risk and protective factors at multiple ecological levels. Paper presented at the 10<sup>th</sup> biennial meeting of the Society for Research and Community Action: University of Illinois at Urbana-Champaign, IL.
- Fagan, A. A., Van Horn, M. L., Hawkins, J. D., & Arthur, M. (November, 2004). Gender differences in the Association between risk and protective factors and self-reported serious delinquency. Paper presented at the annual conference of the American Society of Criminology: Nashville, TN.
- Van Horn, M. L., Hawkins, J. D., & Arthur, M. W. (May, 2004). Disentangling the effects of community on adolescent problem behavior. Paper presented at the annual conference of the Society for Prevention Research: Quebec City, Quebec Canada.
- Van Horn, M. L., Smith, B. H., Arthur, M. W., & Hawkins, J. D. (April, 2003). Between school variation in risk and protective factors for adolescent substance use in 8th grade. Paper presented at the Annual Meeting of the American Educational Research Association: Chicago, IL.
- Van Horn, D. J., Standley, L. J., Newbold, J. D., & Van Horn, M. L. (May, 2002). The effect of type and size on organic particle deposition velocity. Presented at the annual conference of the North American Benthological Society: Pittsburgh, PA.
- Van Horn, M. L., Arthur, M. W., & Hawkins, J. D. (May, 2002). Community level variability in risk and protection. Paper presented at the 2002 annual conference of the Society for Prevention Research: Seattle, WA.
- Van Horn, M. L. & Snyder, S. W. (April, 2001). Measuring school climate: Validation of the School Climate Survey and implications for the understanding of schools. Paper to be presented at the Annual Meeting of the American Educational Research Association: Seattle, WA.
- Van Horn, M. L. & Snyder, S. W. (April, 2001). The effects of developmentally appropriate practices on elementary school child outcomes. Paper to be presented at the Society for Research in Child Development Biennial Conference: Minneapolis, MN.

- Mulvihill, B. A., Shearer, D. L., & Van Horn, M. L. (October, 2001). Building blocks for inclusion: Training child care providers in the field to provide inclusive child care. Paper presented at the American Public Health Association annual meeting: Atlanta, GA.
- Mulvihill, B. A., Shearer, D. L., & Van Horn, M. L. (August, 2000). Perceptions of inclusion in child care: Parents, caregivers, and the impact of training. Paper presented at the IASSIS 11th World Congress: Seattle, WA.
- Van Horn, D. J. & Van Horn, M. L. (April, 1999). The Effects of a Small Dam on the Physical and Chemical Characteristics of Wiscoy Creek. Paper presented at the National Conference for Undergraduate Research: Rochester, NY.
- Van Horn, M. L., Belis, J. M., & Snyder, S. W. (April, 1999). Assessing family resources: A refinement of the Family Resource Scale. Paper presented at the Society for Research in Child Development Biennial Conference: Albuquerque, NM.
- Van Horn, M. L. (April, 1999). Low-income mothers as childcare consumers. Paper presented at the Society for Research in Child Development Biennial Conference: Albuquerque, NM.
- Mulvihill, B. A., Shearer, D. L., & Van Horn, M. L. (March, 1999). Inclusion for young children: A survey of child care providers and parents. The 32nd annual Gatlinburg Conference on Research and Theory in Intellectual Disabilities: Charleston, SC.
- Mulvihill, B. A., Shearer, D. L., & Van Horn, M. L. (November, 1999). Inclusion for young children with special health care needs: A survey of child care providers. Presentation at the annual conference of the American Public Health Association: Washington, DC.
- Van Horn, M. L. (November, 1999). Perceived adequacy of family resources: The relationship of ethnicity and child outcomes to a modification of the family resource scale. Paper presented at the 1999 National Conference on Family Relationships Annual Conference: Irvine, CA.
- Mulvihill, B. A., Shearer, D. L., & Van Horn, M. L. (October, 1999). Inclusion for young children: A survey of child care providers and parents. Paper presented at the National Conference on Disability and Health: Dallas, TX. Award Winning.
- Mulvihill, B. A., Shearer, D. L., & Van Horn, M. L. (November, 1998). Inclusion for children with special health care needs: A survey of child care providers. Paper presented at the American Public Health Association annual meeting: Washington DC.
- Mulvihill, B. A., Shearer, D. L., & Van Horn, M. L. (October, 1998). Inclusion for young children with special needs: A survey of childcare providers and parents. Paper presented at the Centers for Disease Control and Prevention Conference on Health and Disability: Dallas, TX.
- Van Horn, D. J. & Van Horn, M. L. (October, 1998). The effects of a small dam on the temperature regime of Wiscoy Creek. Paper presented at the 25th Annual Scientific Paper Session of the Rochester Academic Society: Genesee, NY.
- Van Horn, M. L., Washington, W. N., & Ramey, S. L. (March, 1998). Choosing child care: A study of mothers receiving child care subsidies. Paper presented at the Fifteenth Biennial Conference on Human Development: Mobile AL.
- Van Horn, M. L., Dowdy, B. B., & Embow, E. K. (April, 1997). Dating as a social activity: The importance of peers. Paper presented at the Society for Research in Child Development Biennial Conference: Washington DC. ERIC # ED 414 013.