

CURRICULUM VITAE

C. Hendricks Brown

PERSONAL DATA

Address Department of Epidemiology and Biostatistics
College of Public Health
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EDUCATION

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| 1981 | Ph.D., Statistics University of Chicago Chicago, Illinois |
| 1975 | M.A., Chemistry University of Chicago Chicago, Illinois |
| 1973 | B.A., Mathematics and Chemistry Vanderbilt University Nashville, Tennessee |

PROFESSIONAL EXPERIENCE

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| 1992-Present | Professor Department of Epidemiology and Biostatistics College of Public Health MDC-56 University of South Florida |
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Principal Responsibilities: Teaching and research in biostatistics; since 1995, I have had an Independent Scientist Award from the National Institute of Mental Health which allows me to devote 80% time to research, particularly in the design and analysis of preventive trials in mental health. A major responsibility is directing the Prevention Science and Methodology Group which carries out research on methodology for prevention and cosponsors workshops with funded prevention research centers across the United States.

1991-Present Director
Prevention Science and Methodology Group (PSMG)
Department of Epidemiology and Biostatistics
College of Public Health MDC-56
University of South Florida

Principal Responsibilities: Direct a network of prevention methodologists at the University of South Florida Johns Hopkins, UCLA, Harvard and the Oregon Social Learning Center. This network is funded by the National Institute of Mental Health and the National Institute on Drug Abuse to develop statistical methodology for prevention research in collaboration with prevention scientists. Several national meetings are co-sponsored each year by PSMG. This network originated at Johns Hopkins University in 1987.

1999-Present Co-Director
Center for Integrating Education and Prevention Research in Schools
Housed at the American Institutes for Research,
Washington, DC

2003-Present Senior Research Scholar
American Institutes for Research
Washington, DC

Principal Responsibilities: Develop expertise in conducting randomized field trials in school settings. These positions facilitate cross-site training and research of methodologists, prevention scientists, and education researchers.

2003-Present Courtesy Professor
Louis de la Parte Florida Mental Health Institute
University of South Florida
Tampa, FL

Principal Responsibilities: Collaborate on children's mental health services research.

2004-Present Collaborating Senior Scientist
Center for Research To Practice
Eugene, OR

Principal Responsibilities: Collaborate with researchers in developing randomized trials for prevention services for youth in the child protective services system, the mental health system, and the foster care system.

1999-2002 Director of Research
College of Public Health MDC-56
University of South Florida

Principal Responsibilities: Develop and enhance health related research among faculty and students at the College of Public Health. Develop research compliance procedures for the College. Responsibilities also include building collaborative relationships involving other institutions across the world.

1991-1997 Director
Biostatistics and Epidemiology Center for Health Research (BECHR)
College of Public Health MDC-56
University of South Florida

Principal Responsibilities: As the research wing of the department, BECHR carries out collaboration and consultation with health researchers located across the United States.

1992-Present Adjunct Professor
Department of Biostatistics
The Johns Hopkins Bloomberg School of Public Health
The Johns Hopkins University

Principal Responsibilities: Collaborate with ongoing biostatistical research at Hopkins, particularly in the areas of mental health service research and prevention.

1994-Present Adjunct Professor
Department of Mental Health
The Johns Hopkins Bloomberg School of Public Health
The Johns Hopkins University

Principal Responsibilities: Collaborate with mental health researchers on the Hopkins Prevention Research Center, particularly in the core areas of dissemination and training and quantitative methods, and serve as a co-principal investigator on a postdoctoral training grant on prevention.

1990-1992 Associate Professor
Department of Epidemiology and Biostatistics
University of South Florida

1990-1992 Adjunct Associate Professor
Department of Biostatistics
School of Hygiene and Public Health
The Johns Hopkins University

1986-1990 Associate Professor
Department of Biostatistics
School of Hygiene and Public Health
The Johns Hopkins University

1981-1986 Assistant Professor
Department of Biostatistics
School of Hygiene and Public Health
The Johns Hopkins University

1982-1990 Joint Faculty Appointment
Department of Mental Hygiene
School of Hygiene and Public Health

The Johns Hopkins University

1978-1981 Chief Statistician
Social Psychiatry Study Center
University of Chicago

PROFESSIONAL ACTIVITIES

Society Membership:

Biometric Society
American Statistical Society
Institute of Mathematical Statistics (Assistant Secretary)
Early Career Preventionists Network
Society for Prevention Research
American Public Health Association

Advisory Panels:

1990-1993 National Conference on Prevention Research Committee for
Developing Strategies for Effective Intervention, National Institute
of Mental Health

1996 Illinois Council for the Prevention of Violence

1997 NIH Consensus Development Conference on Interventions to Prevent
HIV Risk Behaviors

1999-1998 National Institute of Mental Health Taking Stock of Risk Factors for
Externalizing Behavior Problems

1999 National Advisory Committee on Head Start, DHHS

2001 – Present National Institute for Early Education Research, Pew Charitable Trusts

2000 - Present A Randomized Trial of the New D.A.R.E. Program, RW Johnson

2002-Present Chair, National Advisory Council, Friendly Access

2003-2007 Advisory Board, National Center for Injury Prevention & Control,
Centers for Disease Control and Prevention

2003-2007 Science and Program Review Subcommittee,
CDC National Center for Injury Prevention & Control

Project Development:

Prevention Science and Methodology Group (Founder)
Chair or Co-chair of 14 national conferences and workshops, 1993 -
2001

Meeting Planning Committees:

Society for Prevention Research, 1997- 2002
Chair, Society for Prevention Research, 2001
National Conference on Prevention, NIMH, 1996

Prevention Faculty: World Federation for Mental Health, 1995, 1997

Board of Directors: Society for Prevention Research, 1997-2003

Co-chair Prevention Science Advocacy: Society for Prevention Research, 1999

Advisor State of Florida Suicide Prevention Task Force

Advisor National Advisory Council, Suicide Prevention Action Network,
SPAN USA

REVIEW ACTIVITIES

Standing Peer Review Activities: Maternal and Child Health, Bureau of Maternal and Child Health, 1983 - 1988

Special Reviews of Proposals: Epidemiology and Disease Control (EDCII), NIH, 1988
National Institute of Mental Health 1994 - Present
National Institute on Drug Abuse 2000 – Present
National Institutes of Health (CAPR) 1996-1999
National Institute for Alcohol and Alcohol Abuse 1989
U. S. Department of Education, Social & Character Development Research, 2003

Editorial Board Membership: Psychiatry, 1999 - Present
Editorial Board Membership: Prevention Science, 1999 – Present

HONORS LECTURESHIPS AND AWARDS

1980 Member Sigma Xi, the Research Society

1986 Lecturer, Applied Multivariate Statistics, Barcelona, Spain

1988-1990 Lecturer, Applied Multivariate Statistics,
Johns Hopkins Summer Epidemiology Institute

1990 Assistant Secretary,
Institute of Mathematical Statistics Spring Meetings

1990 Lecturer, Seminar on Methods of Prevention Research in Mental Health,
APHA New York

1992 Lecturer, Handling Missing Data in Behavioral Studies,
Advanced Methodology and Statistics Seminar,
Association for Advancement of Behavioral Therapy, Boston MA.

1993-present Member, H. Lee Moffitt Cancer Center
and Research Institute, Tampa, FL

1995 Faculty, World Federation for Mental Health,
Dublin, Ireland

1997 Member, NIH Consensus Development Conference on Interventions
to Prevent HIV Risk Behaviors,

Rockville, MD

- 1997 Faculty, World Federation for Mental Health, Lahti, Finland
- 2001 Friend of Early Career Preventionists Network, Society for Prevention Research
- 2002 President's Award, Society for Prevention Research
- 2004 Rema Lapouse Award from the Mental Health, Epidemiology, and Statistics Section of the American Public Health Association (APHA).

PUBLICATIONS IN JOURNAL ARTICLES (Peer Reviewed)

- 1) Kellam SG, Branch J, Brown CH, Russell G (1981). Why teenagers come for treatment: A ten-year prospective study of Woodlawn. *Journal of the American Academy of Child Psychiatry* 20:477-95.
- 2) Ensminger E, Brown CH, Kellam SG (1981). Sex differences in antecedents of substance use among Adolescents. *Journal of Social Issues*, 38:25-42.
- 3) Kellam SG, Adams RG, Brown CH, Ensminger ME (1982). The long-term evolution of the family Structure of teenage and older mothers. *Journal of Marriage and the Family* 42:539-554.
- 4) Fleming JP, Kellam SG, Brown CH (1982). Early predictors of the age at which teenagers first use alcohol, marijuana, and cigarettes. *Drug and Alcohol Dependence* 9 :285-302.
- 5) Thomas CB, Krush AJ, Brown CH, Shaffer JW, Duszynski KR (1982). Cancer in families of former medical students followed to mid-life: Prevalence in relatives of subjects with and without cancer. *Johns Hopkins Medical Journal* 151: 193-202.
- 6) Kellam SG, Brown CH, and Fleming JP (1982). Social adaptation to first grade and teenage drug, alcohol, and cigarette use. *Journal of School Health*, 301-306.
- 7) Kellam SG, Brown CH, and Fleming JP (1982). Relationship of first-grade social adaptation to teenage drinking, drug-use, and smoking. *Digest of Alcoholism Theory & Application*, 2. 20-24
- 8) Villar J, Smeriglio V, Martorell R, Brown CH, Klein RE (1983). Heterogeneous growth and mental development of intrauterine growth retarded infants during the first three years of life. *Pediatrics*, 1985.
- 9) Brown CH (1983). Asymptotic comparison of missing data procedures for estimating factor loadings. *Psychometrika* 48:269-291.
- 10) Ensminger ME, Brown CH, Kellam SG (1984). Social control as an explanation of sex differences in
- 11) substance use among adolescents. *Problems in Drug Dependence* 1983, Research Monograph 45.
- 12) Anthony JC, Folstein M, Romanoski AJ, Von Korff M, Nestadt GN, Chahal, R, Merchant A, Brown CH, Shapiro S, Kramer M, Gruenberg EM (1985). Comparison of lay D.I.S. and standardized psychiatric diagnosis: Experience in Eastern Baltimore. *Archives General Psychiatry* 42:667-675.
- 13) Gielen AC, Faden RR, Paige DM, Buxton KE, Brown CH, Chwalow AJ (1988). Breastfeeding promotion in obstetrical care practices: Limitations and opportunities. *Patient Education and Counseling*, 12, 5-12.
- 14) Brown CH (1990). Protecting against nonrandomly missing data in longitudinal studies. *Biometrics* 46:143-155.

- 15) Pulver AE, Moorman C, Brown CH, McGrath JA, Wolyniec PS (1990). Age-Incidence artifacts do not account for the season-of-birth effect in schizophrenia. *Schizophrenia Bulletin*. 16: 13-15.
- 16) Pulver AE, Brown CH, McGrath JA, Wolyniec PS, Tam D. (1990). Schizophrenia: Age of onset, gender and familial risk. *Acta Psychiatrica Scandinavia*, 82, 344-351.
- 17) Albert P, Brown CH (1990). The design of a panel study under an alternating Poisson process assumption. *Biometrics*, 47, 921-932.
- 18) Rebok GW, Kellam SG, Dolan LJ, Werthamer-Larsson L, Edwards EJ, Mayer LS, and Brown CH (1991). Preventing Early Risk Behaviors: Process issues and problem areas in prevention research. *Community Psychologist*, 24, 18-21.
- 19) Gielen AC, Faden RR O'Campo P, Brown CH, and Paige DM (1991). Maternal employment during the early postpartum period: Effects on initiation and continuation of breast-feeding. *Pediatrics* 87,298- 305.
- 20) Nestadt G, Romanoski AJ, Brown CH, Chahal R, Merchant A, Folstein MF, Gruenberg EM, and McHugh PR (1991). DSM-III compulsive personality: an epidemiological survey. *Psychological Medicine*, 21, 461-471 .
- 21) Buxton K, Brown CH, Gielen AC, Paige DM, Faden RR, and Chwalow AJ (1991). Women intending to breastfeed: Predictors of early infant feeding experiences. *American Journal of Preventive Medicine*, 7, 101-106.
- 22) Brown CH (1991). Comparison of mediational selected strategies and sequential designs for preventive trials: Comments on a proposal by Pillow et al. *American Journal of Community Psychology* 19, 837- 846.
- 23) Kellam SG, Werthamer-Larsson L, Dolan L, Brown CH, Mayer L, Rebok G, Anthony J, Laudolff J, Edelsohn G, and Wheeler L (1991). Developmental epidemiologically-based preventive trials: Baseline modeling of early target behaviors and depressive symptoms. *American Journal of Community Psychology*, 19, 563-584.
- 24) Rebok GW, Kellam SG, Dolan LJ, Werthamer-Larsson L, Edwards EJ, Mayer LS, and Brown CH (1991). Early risk behaviors: Process issues and problem areas in prevention research. *Community Psychologist*, 24, 18-21.
- 25) Pulver AE; Brown CH; Wolyniec PS; McGrath JA; Tam D (1991). Psychiatric morbidity in the relatives of patients with DSM-III schizophreniform disorder: Comparisons with the relatives of schizophrenic and bipolar disorder patients. *Journal of Psychiatric Research*, 25, 19-29.
- 26) O'Campo P, Faden R, Brown CH, and Gielen A (1992). Impact of pregnancies on pre-natal and postpartum smoking behaviors. *American Journal of Preventive Medicine*, 8, 8-13.
- 27) Romanoski AJ, Folstein MF, Nestadt G, Chahal R, Merchant A, Brown CH, Gruenberg EM, and McHugh PR. (1992). The epidemiology of psychiatrist-ascertained depression and DSM-III depressive disorders: Results from Eastern Baltimore Mental Health Survey Clinical Appraisal. *Psychological Medicine*, 22, 629-655.
- 28) Pulver AE, Liang KY, Brown CH, and Wolyniec PS (1992). Risk factors in schizophrenia: Season of birth, gender, and familial risk. *British Journal of Psychiatry* 160, 65-71.
- 29) Brown CH (1993). Statistical methods for preventive trials in mental health. *Statistics in Medicine*, 12, 289-300.
- 30) Dolan LJ, Kellam SG, Brown CH, Werthamer-Larsson L, Rebok GW, Mayer LS, Laudolff J, Turkkan JS, Ford C, and Wheeler L (1993). The short-term impact of two classroom based preventive intervention trials

on aggressive and shy behaviors and poor achievement. *Journal of Applied Developmental Psychology*, 14, 317-345.

- 31) Dembo R, Williams L, Schmeidler J, Wothke W, and Brown CH (1992). The role of family factors, physical abuse, and sexual victimization experiences in high risk youths' alcohol and other drug use and delinquency: A longitudinal model. *Violence and Victims*, 7, 245-266.
- 32) Brown CH (1993). Analyzing preventive trials with generalized additive models. *American Journal of Community Psychology*, 21, 635-664.
- 33) Beck RW, Cleary P, Trobe J, Kaufman D, Kupersmith M, Paty D, Brown CH, and the Optic Neuritis Study Group, 1993. The effect of corticosteroids for acute optic neuritis on the subsequent development of multiple sclerosis. *New England Journal of Medicine*, 329, 1764-1769.
- 34) Rosenberg EI, Bayona M, Brown CH, and Specter SC (1994). Epidemiologic factors correlated with multiple sexual partners among women receiving prenatal care. *Annals of Epidemiology*, 4, 472-479.
- 35) Wells SJ, Fluke JD, Brown CH (1995). The decision to investigate: Child protection practices to investigate in 12 local agencies. *Children and Youth Services Review*, 17, 523-546.
- 36) Cervenka KA, Dembo R, and Brown CH (1995). A family empowerment intervention for families of juvenile offenders. *Review of Aggressive and Violent Behavior*, 1, 205-216.
- 37) Ialongo NI, Werthamer L, Kellam SG, Brown CH, Wang S, and Lin Y (1999). Proximal impact of two first grade preventive interventions on the early risk behaviors for later substance abuse, depression, and antisocial behavior. *American Journal of Community Psychology*, 27, 599-642.
- 38) Kellam SG, Ling X, Merisca R, Brown CH, and Ialongo N (1998). The effect of the level of aggression in the first grade classroom on the course and malleability of aggressive behavior into middle school. *Development and Psychopathology*, 10 165-185.
- 39) Brown CH and Liao J (1999). Principles for designing randomized preventive trials in mental health: An emerging developmental epidemiologic paradigm. *American Journal of Community Psychology*, 27, 677-714.
- 40) Brown CH, Indurkha A, and Kellam SG (2000) Power calculations for data missing by design with application to a follow-up study of exposure and attention. *Journal of the American Statistics Association*, 95, 383-395.
- 41) Brown, CH, Berndt D, Brinales JM, Zong X, and Bhagwat D (2000). Evaluating the Evidence of Effectiveness for Preventive Interventions: Using a Registry System to Influence Policy through Science. *Addictive Behaviors*, 25, 955-964.
- 42) Wells, SJ, Lyons P, Doueck HJ, Brown CH, and Thomas J (2001). Ecological factors and screening in child protective services. Accepted for publication in *Children and Youth Services Review*.
- 43) Carlin JB, Wolfe R, Brown CH, and Gelman A (2001). A case study on the choice, interpretation, and checking of multilevel models for longitudinal, binary outcomes. *Biostatistics* 2, 397-416.
- 44) Dagne GA, Howe GW, Brown CH, and Muthen BO (in press). Hierarchical modeling of sequential behavioral data: An Empirical Bayesian Approach. To appear in *Psychological Methods*.
- 45) Muthen BO, Brown CH, Masyn K, Jo B, Khoo ST, Yang CC, Wang CP, Kellam SG, and Carlin JB (2002). General growth mixture modeling for randomized preventive interventions. *Biostatistics*, 3, 459-475

- 46) Johnson MA, Brown, CH, and Wells SJ (2002). Using classification and regression trees (CART) to support worker decision making. *Social Work Research*, 26, 19-30.
- 47) Faraone SV, Brown CH, Glatt SJ, Tsuang MT (2002). Preventing schizophrenia and psychotic behavior: definitions and methodological issues. *Canadian Journal of Psychiatry*, 47, 527-37.
- 48) Wells, SJ, Lyons P, Doueck HJ, Brown CH, and Thomas J (in press). Ecological factors and screening in child protective services. To appear in *Children and Youth Services Review*.
- 49) Muthen BO, Jo B, and Brown CH (in press). Assessment of treatment effects using latent variable modeling: Comments on the New York School Choice Study. Accepted for publication in *Journal of the American Statistical Association*.
- 50) Dagne GA, Brown CH, and Howe GW (in press). Bayesian hierarchical modeling of heterogeneity in multiple contingency tables: An application to behavioral observation data. To appear in *Journal of Educational and Behavioral Statistics*.
- 51) Eddy JM, Smith P, Brown CH, and Reid JB (in press). A Survey of Prevention Science Training: Implications for Training the Next Generation . To appear in *Journal of Prevention Science*.
- 52) Werch C., Jobli E.C., Moore M.J., DeClementi C.C., Dore H. S., and Brown C.H. (in press). Do Alcohol Consumption Patterns of Adolescents Differ by Beverage Type? To appear in *Journal of Child and Adolescent Substance Abuse*.
- 53) Howe G. W., Dagne G., and Brown C. H. (accepted for publication). Multilevel Methods for Modeling Observed Sequences of Family Interaction. Accepted for publication in *Journal of Family Process (Invited)*.
- 54) Wang C. P., Brown, C. H., and Bandeen-Roche K (accepted for publication). Residual diagnostics for growth mixture models. Accepted for publication in *Journal of the American Statistical Association*.

PUBLICATIONS OF CHAPTERS IN BOOKS

- 1) Kellam SG, Ensminger ME, Branch J, Brown CH, Fleming JP (1980). The Woodlawn Mental Health Longitudinal Community Epidemiology Project. In SA Mednick, M Harway (eds), *Longitudinal Research in the United States*, Hingham MA: Martinus Nijhoff Publishing.
- 2) Brown CH, Adams RG, Kellam SG (1981). A longitudinal study of teenage motherhood and symptoms of distress. In RG Simmons (ed), *Research in Community Mental Health, Vol. II.*. Greenwich, Connecticut: JAI Press.
- 3) Kellam SG, Brown CH, Fleming JP (1982). The prevention of teenage substance abuse: Longitudinal research and strategy. In J Coates, AC Peterson, C Perry (eds), *Adolescent Health: Crossing the Barriers.*, New York: Academic Press.
- 4) Kellam SG, Brown CH, Fleming JP (1982). Developmental epidemiological studies of substance use in Woodlawn: Implications for prevention research strategy. In LS Harris (ed), *Problems in Drug Dependence 1981*, Research Monograph 41. Maryland: National Institute on Drug Abuse.
- 5) Kellam SG, Brown CH (1982). Social adaptation and psychological antecedents in first grade of adolescent psychopathology ten years later. In *Youth and Dispair: Depression and Suicide in Adolescence and Young Adulthood*, Klerman and Goldston(eds).

- 6) Kellam SG, Brown CH, Rubin B, Ensminger ME (1983). Paths leading to psychiatric symptoms and substance use: Developmental epidemiologic studies in Woodlawn. In , SB Gruze, F Earls, JE Barrett (eds), *Childhood Psychopathology and Development*. New York: Raven Press.
- 7) Kellam SG, Brown CH, Fleming JP (1985). Longitudinal community epidemiological studies of drug abuse: Early aggressiveness, shyness and learning problems. In LN Robins (ed), *Studying Drug Use and Abuse*, New York: Neale Watson Academic Publishers.
- 8) Kellam SG, Brown CH (1986). Social adaptation and psychological antecedents in first grade of adolescent psychopathology ten years later. In G L Kerlman (ed.), *Suicide and Depression among Adolescents and Young Adults*. Washington DC: American Psychiatric Press.
- 9) Kramer MM, Brown CH, Skinner A, Anthony J, German P. (1987). Demographic and ecological surveys - changing living arrangements in the population and their potential effect on the prevalence of mental disorder: Findings of the eastern Baltimore Mental Health Survey. In B. Cooper (ed), *The Epidemiology of Psychiatric Disorders*, Johns Hopkins Press: Baltimore, MD.
- 10) Kellam, SG, Anthony, JC, Brown CH, Dolan L, Werthamer-Larsson L, and Wilson R (1989). Prevention research on early risk behaviors in cross-cultural studies. In MH Schmidt and H Remschmidt, (eds), *Needs and prospects of child and adolescent psychiatry*. Kirkland, WA: Hogrefe & Huber Publishers, p 241-254
- 11) Tolan PH and Brown CH (1996). Evaluation research on violence interventions: Issues and strategies for design. In PK Trickett and C Schellenbach (eds.), *Violence Against Children in the Family and Community*. Washington, D.C.: American Psychological Association.
- 12) Brown CH (2003). Design principles and their application in preventive field trials. In WJ Bukoski and Z Sloboda, *Handbook of Drug Abuse Prevention: Theory, Science, and Practice*. New York: Plenum Press, pp. 523-540
- 13) Brown CH and Faraone SV (2004). Prevention of Schizophrenia and Psychotic Behavior: Definitions and Methodologic Issues. To appear n WS Stone, SV Faraone, and MT Tsuang (Eds.), *Early Clinical Intervention and Prevention in Schizophrenia*, The Humana Press, pps. 255-284

OTHER PUBLICATIONS

- 1) Brown CH, Johannes RS, Onstad L (1989). Integrating strategies for transforming variables in regression problems: Elements of the XS consulting system. 21st Symposium on the Interface: *Computer Science and Statistics*.
- 2) Johannes RS, Brown CH, Onstad LE (1989). XS: An analysis and synthesis system for linear regression constructed by integrating a graphical statistical system, a relational database system, and an expert system shell. *The 13th Symposium on Computer Applications in Medical Care*. 217-221.
- 3) Brown CH (1991). Principles for designing universal and targeted intervention studies. Presented at the Second National Conference on Prevention Research, National Institute of Mental Health.
- 4) Reiss D, Brown CH, Brownell KD, Cohen P, Heiman JR, Price RH, Rana S, Seidman E, Smith MW, Snow W, Wakefield SF, Washington RA (1997). Interventions to Prevent HIV Risk Behaviors. National Institutes of Health Consensus Development Conference, February 1997.
- 5) Mrazek PJ and Brown CH (1999). An evidence-based literature review regarding outcomes in psychosocial and early intervention in young children. Final Report, Invest in Kids Foundation, Toronto, Canada.
- 6) Advisory Committee on Head Start Research and Evaluation (1999). A recommended framework for studying the impact of the Head Start Program. U.S. Department of Health and Human Services, Washington, D.C.

TEACHING, ADVISING, COURSES

ADVISEES

Mentored Faculty Minority Supplement (NIMH)

Getachew Dagne, Department of Epidemiology and Biostatistics, U South Florida

Sabbatical for Senior Scientist

John Carlin, Department of Biostatistics, University of Melbourne, Australia

Mentored NIH K Awardees

Alka Indurkha, Harvard University

Michelle Coolie-Quille, Mental Hygiene, Johns Hopkins University

Postdoctoral Advisees

Dianne Clark Mental Hygiene, Johns Hopkins University

Hanno Petras Mental Hygiene, Johns Hopkins University

Geena Park, Epidemiology and Biostatistics, University of South Florida

Carolyn Furr-Holden, Johns Hopkins University

Klaus Larsen, School of Education and Information Studies, UCLA

Ph.D. and Sc.D. Graduates

1981-1990

Gbolahan Oni, Population Dynamics, Johns Hopkins University

Hu-Soon Kim, Health Policy and Management, Johns Hopkins University

Paul Albert, Biostatistics, Johns Hopkins University (Major Advisor)

Brad Boekeloo, Behavioral Science and Health Education, Johns Hopkins University

Salah Mawajdeh, Health Policy and Management, Johns Hopkins University

Shibani Mazumder, Maternal and Child Health, Johns Hopkins University

Peter Rizik, Health Policy and Management, Johns Hopkins University

Deborah Glick, Behavioral Sciences and Health Education, Johns Hopkins University

Wilson Kisubi, Maternal and Child Health, Johns Hopkins University

Lisa Werthamer-Larsson, Mental Hygiene, Johns Hopkins University

Lauri Kane, Maternal and Child Health,

Selma Kunitz, Behavioral Sciences and Health Education, Johns Hopkins University

Kathryn Rost, Behavioral Sciences and Health Education, Johns Hopkins University

Angela Mickalide, Behavioral Sciences and Health Education, Johns Hopkins University

Martha Tietelbaum, Behavioral Sciences and Health Education, Johns Hopkins University

Amy Dryman, Mental Hygiene, Johns Hopkins University

Mona Shediach, Behavioral Science and Health Education, Johns Hopkins University

Kay Dickersin, Epidemiology, Johns Hopkins University

Catherine Johannes, Epidemiology, Johns Hopkins University

Louis Reedt, Mental Hygiene, Johns Hopkins University

Julie Baldwin, Behavioral Science and Health Education, Johns Hopkins University

Xin-Hua Liu, Biostatistics, Johns Hopkins University

1990-Present

Hongzhu Xiao, Mathematics, University of South Florida
Roy Beck, Epidemiology and Biostatistics, University of South Florida
Sharon Jackson, Epidemiology and Biostatistics, University of South Florida
John Large, Health Policy and Management, University of South Florida
Martha Arrieta, Epidemiology and Biostatistics, University of South Florida
Eva Jané Llopes, Department of Psychology, University of Nijmegen, The Netherlands
Gabriela Ramirez-Garnica, Department of Epidemiology and Biostatistics, University of South Florida
Eric Brown, Education and Measurement, University of South Florida

M.Sc. Graduates

1981-1990

Brad Boekeloo, Behavioral Science and Health Education, Johns Hopkins University
Lynn Onstad, Biostatistics, Johns Hopkins University (Major Advisor)
Doreen Tam, Biostatistics, Johns Hopkins University (Major Advisor)
Maria Corrado Bravo, Biostatistics, Johns Hopkins University (Major Advisor)

M.S.P.H. Graduates

1990-Present

Eric Rosenberg, Epidemiology and Biostatistics, University of South Florida
Jill Bartruff, Epidemiology and Biostatistics, University of South Florida
Alison Graham, Epidemiology and Biostatistics, University of South Florida (Major Advisor)
Pamela Moke, Epidemiology and Biostatistics, University of South Florida (Major Advisor)
Dakai Zhu, Epidemiology and Biostatistics, University of South Florida (Major Advisor)
Rheta Lanehart, Epidemiology and Biostatistics, University of South Florida
Judith Sawyer, Community and Family Health, University of South Florida
Ruth Kangas, Community and Family Health, University of South Florida
Songbai Wang, Epidemiology and Biostatistics, University of South Florida (Major Advisor)
Yuhua Lin, Epidemiology and Biostatistics, University of South Florida
Xiang Ling, Epidemiology and Biostatistics, University of South Florida (Major Advisor)
Wei Wang, Epidemiology and Biostatistics, University of South Florida (Major Advisor)
Kelly Jensen Epidemiology and Biostatistics, University of South Florida
Gary Walby Epidemiology and Biostatistics, University of South Florida (Major Advisor)
Barry Bower Epidemiology and Biostatistics, University of South Florida
Marcella Scott Epidemiology and Biostatistics, University of South Florida
Peter Toyinbo, Epidemiology and Biostatistics, University of South Florida

M.P.H. Graduates Epidemiology and Biostatistics, University of South Florida (Major Advisor)

1990-Present

Carl Newman, Epidemiology and Biostatistics, University of South Florida (Major Advisor)
Nolini Wang, Epidemiology and Biostatistics, University of South Florida (Major Advisor)
Sandeep Kasat Epidemiology and Biostatistics, University of South Florida
Rachna Arora Epidemiology and Biostatistics, University of South Florida
Nairouz EL Geioushi Epidemiology and Biostatistics, University of South Florida

GRADUATE COURSES TAUGHT

Applied Multivariate Statistics
Multivariate Analysis

Categorical Data Analysis
Exploratory Data Analysis
Exploratory Data Analysis, Modeling, and Inference
Applied Probability
Computer Applications in Biostatistics
Advanced Statistical Computing
Survival Analysis
Missing Data
Regression Analysis
Generalized Linear Models
Theory and Methods in Biostatistics I
Theory and Methods in Biostatistics II
The Science of Preventing Behavioral and Emotional Disorders
Biostatistical Inference I
Design of Experiments for Public Health Researchers
Advanced Seminar in Public Health
Clinical Trials
Biostatistics I
Biostatistical Case Studies and Collaboration I
Biostatistical Case Studies and Collaboration II

RESEARCH GRANT PARTICIPATION

Current Research

Research Projects and Position:

SOURCE OF SUPPORT: National Institute of Mental Health and National Institute on Drug Abuse (joint funding)
PROJECT TITLE: Designs and Analyses for Mental Health Preventive Trials
PRINCIPAL INVESTIGATOR: C. Hendricks Brown
PERIOD: 6/01/99 – 5/31/04 no-cost extension for 04-05

This is a second competitive continuation of a previous grant entitled Statistical Methods for Mental Health Preventive Trials. The project involves developing designs and analytical methods to handle the following problems: selection bias and differential attrition in preventive trials, designs for a series of preventive trials which would be most informative, and a merging of biostatistical (exploratory methods, Gibbs Sampler, Data Augmentation, Multiple Imputation) and psychometric methods (measurement error models) regarding intervention impact, including models of mediation and effect modification as well as growth curve modeling. The prevention examples used in this project come from four NIMH funded prevention centers, at Arizona State, Oregon Social Learning Center, University of Michigan, and Johns Hopkins. This grant supports open conferences on prevention and other collaborative work for the Prevention Science and Methodology Group.

SOURCE OF SUPPORT: National Institute of Mental Health
PROJECT TITLE: Prevention Research Training in Mental Health
PRINCIPAL INVESTIGATOR: Nicholas Ialongo
CO-PRINCIPAL INVESTIGATOR: C. Hendricks Brown
PERIOD: 11/1/02 – 10/31/07

This is a training grant proposal from the Baltimore Prevention Research Center housed at the Department of Mental Hygiene, Johns Hopkins University. The proposal involves a collaborative training effort

with prevention scientists and statistical methodologists at multiple sites, including Hopkins, USF, and UCLA, to train post-doctoral fellows in the field of prevention. Special attention is planned for recruiting and training fellows who have doctorates in statistics or a closely related field.

SOURCE OF SUPPORT: National Institute of Mental Health
PROJECT TITLE: Development and Malleability from Childhood to Adulthood
PRINCIPAL INVESTIGATOR: Sheppard Kellam
CO-PI : C. Hendricks Brown
PERIOD: 9/01/02-8/30/05

This proposal extends the follow-up of two cohorts of 2311 Baltimore children, now in young adulthood, who comprised the study sample for a randomized field trial of two classroom interventions in first and second grade. These interventions focused on improving learning and improving classroom behavior, particularly lessening aggression, two risk factors for later depressive symptoms and conduct disorder. This particular study models developmental course in relevant social fields throughout most of childhood and adolescence, as well as examine the consequences of successfully improving or failing to improve early in life.

SOURCE OF SUPPORT: National Institute on Drug Abuse
PROJECT TITLE: Evaluation of Scientific Evidence in Drug Prevention
PRINCIPAL INVESTIGATOR: C. Hendricks Brown
PERIOD: 2002 - 2003

This is a competitive supplement to examine the quantification of scientific evidence in prevention research. Built around work for the International Registry of Preventive Trials, this project calibrates the strength of design of a trial and assesses strength of outcomes across the life span.

SOURCE OF SUPPORT: National Institute of Mental Health
PROJECT TITLE: Methodology for Population-Based Approaches to the Prevention of Suicide
PRINCIPAL INVESTIGATOR: C. Hendricks Brown
PERIOD: 2002 - 2003

Suicide prevention has become a national priority; most recent work, however, is limited to high-risk strategies. From a public health point of view, such high-risk strategies are not able to lower the overall death rate in this country to half the existing level, as targeted in Health People 2010. Although suicide rates are far too high, the overall frequency of 1 per 10,000 persons per year is quite small compared to the prevention of many other mental health conditions, such as conduct disorder and drug abuse, that have already been successfully targeted. This supplement investigates the feasibility of a broad-based prevention program to meet these goals. There have been approximately 40,000 children who have been randomized to randomized experiments that have shown demonstrated effect on the life course outcomes that are related to suicide. This project examines the feasibility of using such data to evaluate the impact of universal interventions on completed suicides.

SOURCE OF SUPPORT: National Institute on Drug Abuse
PROJECT TITLE: Prevention Services for Schools for Early Drug Abuse Risk
CO-PRINCIPAL INVESTIGATOR: C. Hendricks Brown
PERIOD: 2002-2007

This project supports the third generation randomized field trial of the Baltimore Prevention Program. The trial aims at reducing drug risk behavior by providing a classroom-based intervention to first grade children. Targets of

the Whole Day Program include a focus on improved reading through expert coaches and changes in curriculum, a focus on classroom management and organization to prevent aggressive behavior, and improved parent school partnerships. The intervention trial will randomize both teachers and students and uses the first cohort to address effectiveness of the intervention while the next two cohorts are used to address sustainability and scalability questions.

This project examines hypotheses regarding neighborhood violence, employment, and economic health on the developmental trajectories of children in Baltimore. Using recent sociologic models, we examine the impact of neighborhoods on aggressive behavior and on learning.

SOURCE OF SUPPORT: National Institute of Mental Health
PROJECT TITLE: Research Supplement for Underrepresented Minorities
PRINCIPAL INVESTIGATOR John Reid
MENTOR: C. Hendricks Brown
PERIOD: 2002-2005

This project funds three years of research development and training for Dr. Getachew Dagne, at the University of South Florida, on the development of new methodology for the design and analysis of behavior observation data. Such microanalytic data, which are collected in real time or through videotapes of interactions involving parents and children, couples, or children and their peers, have become critical in the evaluation of preventive and treatment interventions. This project focuses on massive amounts of data collected by the Oregon Prevention Center and its colleagues. Statistical methods include the introduction of random effects and multi-level modeling of such data, of structural equation modeling and analyses related to survival data.

SOURCE OF SUPPORT: National Institute on Drug Abuse
PROJECT TITLE: Prevention Services for Schools for Early Drug Abuse Risk
PRINCIPAL INVESTIGATOR Sheppard Kellam
CO-PI : C. Hendricks Brown
PERIOD: 2002 - 2007

Funded by the National Institute on Drug Abuse, this is involves a third generation preventive field trial of a classroom-based intervention aimed at early risk factors for substance abuse. Both first-grade children and their teachers are randomized to intervention or standard classrooms in first grade. The intervention aims at enhancing reading, through improved curriculum, training, and coaching, at aggressive/disruptive behavior through the Good Behavior Game and other classroom management techniques, and through a parent-teacher partnership. There are three phases to this study, an effectiveness trial for the first cohort, which is followed through third grade, a sustainability trial examining impact in second and third cohorts, and a scalability trial examining how impact is affected when the intervention is expanded to whole schools.

SOURCE OF SUPPORT: National Institute of Mental Health
PROJECT TITLE: Methodology for Population-Based Approaches to the Prevention of Suicide
PRINCIPAL INVESTIGATOR C. Hendricks Brown :
PERIOD: 2002 - 2003

This is a National Institute of Mental Health supplement to support a feasibility study of the prevention of using existing preventive field trials aimed at adolescent drug abuse, conduct disorder, and mental health outcomes to examine their potential impact on prevention of suicide through young adulthood. As a feasibility study, we are using three carefully designed randomized field trials to test whether appropriate IRB and HIPAA compliance can be met, and then identifying cause of death among those randomized using the National Death Index. This project

also supports developing methodology for examining impact of population-based prevention programs on low baserate disorders.

SOURCE OF SUPPORT: Centers for Disease Control and Prevention
PROJECT TITLE: Population-Based Prevention of Suicide
PRINCIPAL INVESTIGATOR C. Hendricks Brown :
PERIOD: 2003 - 2004

This Centers for Disease Control and Prevention supplement to Designs and Analyses for Mental Health Preventive Trials extends the work on methodology for population-based approaches to the prevention of suicide. This supports the collection and summarizing of national death indexes and to develop the methodology for meta-analytic follow-up studies. This new methodology involves collecting new data across multiple studies, such as cause of death and analyzing interventions' overall and varying effects across a range of distinct trials.

SOURCE OF SUPPORT: National Institute of Mental Health
PROJECT TITLE: RCT of Gatekeeper Training for Suicide Prevention
PRINCIPAL INVESTIGATOR Peter Wyman, University of Rochester
CO-PRINCIPAL INVESTIGATOR C. Hendricks Brown :
PERIOD: 2004 – 2007

This R34 application to the National Institute of Mental Health is for testing with a randomized school-based trial a model of gatekeeper training of all staff in 32 middle and high schools in a school district in Georgia. The QPR training program is provided in a wait-listed design to all schools. Working closely with the school's Prevention Intervention Center, we will evaluate whether more children with suicidal ideation and behaviors are identified, get professionally assessed and enter treatment. Levels of suicidal ideation in 8th and 10th grades are also examined.

SOURCE OF SUPPORT: National Institute of Mental Health
PROJECT TITLE: Developing Center On Public Health And Population Interventions For The Prevention Of Suicide
PRINCIPAL INVESTIGATOR Eric Cain, University of Rochester
CO-PRINCIPAL INVESTIGATOR C. Hendricks Brown :
PERIOD: 2004 – 2009

This application represents a collective vision for public health and population-oriented approaches to preventing suicide and attempted suicide, and the morbidity arising from myriad associated risk factors. The PHP-Center aims to build a unique, multidisciplinary research enterprise that will provide an intellectual epicenter for the developing field of suicide prevention; initiate a scientifically-oriented Suicide Prevention and Public Mental Health annual meeting; develop, implement, and assess the use of novel research designs and measures, and extend the application of new theoretical and analytic approaches to suicide prevention and intervention research; create a "Prevention Research Incubator" (PRI; "Incubator") to foster the development of rigorous research that builds upon the 'natural opportunities' that now are arising; and, carry out high quality investigations that move forward efforts to reduce the mortality and morbidity of suicide, attempted suicide, and related antecedent conditions.

Selected Previous Research

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| 1984-2002 | Co-Principal Investigator, "Epidemiologic Prevention Center for Early Risk Factors", National Institute of Mental Health (\$1,348,651) |
| 1986-1999 | Principal Investigator, "Statistical Methods for Prevention Research in Mental Health", National Institute of Mental Health (\$475,364) |
| 1988-1990 | Co-Investigator, "Heterogeneity in Schizophrenia", National Institute of Mental Health (\$121,651) |
| 1988-1990 | Co-Investigator, "The Long-Term Course of Treated Schizophrenia", National Institute of Mental Health (\$184,173) |
| 1989-1990 | Co-Principal Investigator, "Periodic Outcome of Two Preventive Trials", National Institute of Mental Health (\$1,605,390) |
| 1989-1990 | Co-Investigator, "Behavioral and familial predictors of injuries in children", Maternal and Child Health (\$1,072,434) |
| 1989-1990 | Co-Investigator, "Genetic Epidemiologic Studies of Schizophrenia", National Institute of Mental Health (\$846,409) |
| 1989-1990 | Co-Investigator, "A Screening Model for Child Protective Services Intake", National Center on Child Abuse and Neglect |
| 1990-1992 | Investigator, "Long-term Maternal Outcomes in Cocaine Pregnancies", National Institute of Drug Use (\$12,000) |
| 1990-1994 | Principal Investigator, "A Computer-Based Consulting System for Improved Decision Making for Reported Child Maltreatment", U.S.F. Research and Creative Scholarship Award. (\$9,000) |
| 1991-1994 | Co-Investigator, "Longitudinal Study of Optic Neuritis", National Eye Institute (\$1,996,151) |
| 1993-1996 | Co-Principal Investigator, "Linking High-Risk Youths with Needed Services", National Institute of Drug Abuse (\$1,576,369) |
| 1994-1994 | Principal Investigator, "Statistical Methods for Preventive Trials in Mental Health: Conference Support", U.S.F. Research Council Conference Support (\$2,000) |
| 1995-1999 | Principal Investigator, "Methodologic Advances in Mental Illness Prevention", National Institute of Mental Health (K02 Independent Scientist Award). |
| 1996-2001 | Co-Principal Investigator, "Development and Malleability from Childhood to Adulthood," National Institute of Mental Health |
| 1999-2003 | Co-Principal Investigator, "Reducing Violence by Joining Education and Prevention", National Institute of Child Health and Human Development , \$750,000 |
| 2002-2003 | Investigator, "Community Context and Child Learning and Development," National Science Foundation |

ACADEMIC SERVICE

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|-----------|---|
| 1981-1984 | Curriculum Committee, School of Hygiene and Public Health, Johns Hopkins University |
| 1984-1988 | Maternal and Child Health (MCH) Review Committee, Rockville, MD |
| 1995-1988 | MPH Advisory Committee, School of Hygiene and Public Health, Johns Hopkins University |
| 1988-1990 | Admissions and Credentials Committee, School of Hygiene and Public Health, Johns Hopkins University |
| 1989 | Review Committee, MPH Program, School of Hygiene and Public Health, Johns Hopkins University |
| 1990-1991 | University of South Florida Statistics Committee |
| 1990-1992 | Chair, Computer Committee, College of Public Health, University of South Florida |
| 1990-1993 | Curriculum Committee, College of Public Health, University of South Florida |
| 1992-1993 | Chair, Faculty Search Committees (3) for Epidemiology and Biostatistics, University of South Florida |
| 1992-1993 | Appointments, Promotion, and Tenure, College of Public Health, University of South Florida |
| 1993-1994 | Institutional Research Grant Committee, University of South Florida and H. Lee Moffitt Cancer Center and Research Institute |
| 1993-1994 | Faculty Search Committee, H. Lee Moffitt Cancer Center and Research Institute and University of South Florida |
| 1997-2002 | Chair, Appointments, Promotion, and Tenure, Department of Epidemiology and Biostatistics |
| 1999-2002 | Scientific Review Committee, Department of Epidemiology and Biostatistics |
| 1999-2000 | Appointments, Promotion, and Tenure, College of Public Health, University of South Florida |
| 2000-2002 | Student Affairs Committee, Department of Epidemiology and Biostatistics |
| 2001-2002 | Search Committee, Vice President for Research, University of South Florida |
| 2001-2001 | Chair, Search Committee, Department of Epidemiology and Biostatistics, University of South Florida |
| 2002-2002 | Search Committee, Associate Vice President for Research, Health Science Center |
| 2002-2002 | Search Committee, Associate Director, Lawton and Rhea Chiles Center for Mothers and Babies |

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| 2002-2003 | Search Committee, Biostatistician, Louis de la Parte Florida Mental Health Institute |
| 2004 | Search Committee, Professor, Department of Community and Family Health, USF |
| 2004 | Search Committee, Associate Director for Research, Lawton and Rhea Chiles Center for Mothers and Babies |

SCIENTIFIC PRESENTATIONS (Since 1988)

- 1) 1988 "Analyzing Data from Preventive Trials: Handling Missing Data", American Public Health Association, Boston, MA
- 2) 1988 "Statistical Issues in Research Proposals", University of Puerto Rico, Department of Pediatrics
- 3) 1988 "Combining Evidence from Separate Studies: Uses and Misuses of Meta-Analysis", Summer Epidemiology Institute, Johns Hopkins University
- 4) "Integrating Strategies for Transforming Variables in Regression Problems: Elements of the XS Consulting System", ENAR Meetings, Orlando, FL
- 5) "Applications of Artificial Intelligence in (Applied) Statistics", Epidemiology and Biostatistics Department, University of South Florida
- 6) "Statistical Methods for Preventive Trials in Mental Health", Epidemiology Department, Johns Hopkins University
- 7) 1990 "Valid Inferences when Data are Missing Nonrandomly", Biostatistics Department, Johns Hopkins University
- 8) 1990 "Meta-Analytic Techniques," Epidemiology and Biostatistics Department, University of South Florida
- 9) 1990 "Designs and analyses for Preventive Trials in Mental Health," Symposium on Prevention Research in Mental Health, American Public Health Association, New York
- 10) 1990 "Statistical Methods for Preventive Trials in Prevention Research," CDC Symposium on Statistical Methods for Evaluation of Intervention and Prevention Strategies
- 11) 1990 "Statistical Methods for Analyzing Preventive Trial Data," University of Rochester
- 12) "Designs and Analyses for Mental Health Preventive Trials," Oregon Social Learning Center, Eugene OR
- 13) 1991 "Valid Inferences when Data are Missing Nonrandomly," ENAR Biometric Society Meetings, Houston, TX (Invited Presentation)
- 14) 1991 "Principles for Designing Universal and Targeted Intervention Studies," Second National Conference on Prevention Research, National Institute of Mental Health (Invited Presentation)
- 15) 1991 "New Statistical Methods for Preventive Trials in Mental Health," American Psychological Association (Invited Presentation)
- 16) "Statistical Methods for Analysis of Mental Health Preventive Trials," Harvard University Department of Biostatistics.
- 17) 1992 "Handling Missing Data in Behavioral Studies," Advanced Methodology and Statistics Seminar, Association for Advancement of Behavioral Therapy, 26th Annual Convention (Invited Short Course)
- 18) 1992 "Mortality in Dialysis Patients by Facility, 1989 Through 1992," End Stage Renal Disease Network of Florida, Annual Meeting, Tampa, FL.
- 19) 1992 "Prevention of Conduct Disorder and Depression," All Children's Hospital, St. Petersburg

- 20) 1993 "Prevention of Conduct Disorder and Depression," University of South Florida Department of Psychiatry
- 21) 1994 "Compromise Solutions to Inferences with Nonignorable Missing Data," Invited talk at the 1994 Biometric Society ENAR Meetings, Cleveland OH.
- 22) 1994 "Designs and Analyses for Conduct Disorder Preventive Trials." University of Pittsburgh Life History Studies, Pittsburgh, PA
- 23) 1994 "The use of Freeman-Tukey Deviates to Assess Excessive Mortality," Tri Regional Conference on Health Care Quality Improvement Program, Medical Hospital Information Project, St. Petersburg, FL
- 24) 1994 "Randomized Preventive and Service-Based Trials For Depression and Conduct Disorder", University of South Florida Department of Psychiatry
- 25) 1994 "Providing Training in Prevention Methodology: Experience of the Prevention Science and Methodology Group", Fourth National Conference on Prevention Research, National Institute of Mental Health (Invited Presentation)
- 26) 1994 "Principles for designing randomized preventive trials in mental health", Workshop on a Scientific Structure for the Emerging Field of Prevention Research, Johns Hopkins Prevention Research Center and Prevention Research Branch, NIMH, Baltimore, MD.
- 27) 1994 "Issues in the Replication of Prevention Studies," Prevention Science and Methodology Group (meeting co-chair), Johns Hopkins University, Baltimore, MD.
- 28) 1994 "New Statistical Tools and Computing Paradigms for Prevention Research," Prevention Science and Methodology Group (meeting co-chair), Oregon Social Learning Center, Eugene OR.
- 29) 1995 "Analytic Techniques for Longitudinal and Repeated Measures Data Sets", Methods and Measures Workshop, A System of Care for Mental Health: Expanding the Research Base. Eighth Annual Research Conference, The Research and Training Center for Children's Mental Health, Tampa, FL (Invited Presentation)
- 30) 1995 "Analyses of Preventive Intervention Data: Problems and Solutions", Violence Prevention Evaluation Meeting, Centers for Disease Control and Prevention, Atlanta, GA (Invited Presentation)
- 31) 1995 "Behavior Observation Studies in Preventive Trials," Prevention Science and Methodology Group Meeting, Institute for Juvenile Research, University of Illinois at Chicago, Chicago, IL (meeting co- chair).
- 32) 1995 "Methodologic Contributions to Family Studies", National Institute of Mental Health, Rockville, MD (Invited Presentation)
- 33) 1995 "The Value of Biostatistics and Epidemiology in Surgical Research and Practice," Surgical Research Conference, Tampa FL.
- 34) 1995 "Designs and Analyses for Mental Health Preventive Trials," Department of Psychology, Arizona State University
- 35) 1995 "Missing Data in Prevention Studies", Prevention Science and Methodology Group Meeting, Johns Hopkins University, Baltimore, MD. (meeting co-chair).
- 36) 1996 "Trial-within-a-Trial Designs for Prevention Studies", Institute for Social Research, University of Michigan, Ann Arbor, MI (meeting co-chair)

- 37) 1996 "Recent Advances in the Design of Efficacy Trials in Prevention", Fifth National Conference on Prevention, National Institute of Mental Health, (Invited Presentation), Washington, DC.
- 38) 1996 "SIRNORM-- A SAS Procedure for Handling Missing Data", Prevention Science and Methodology Group Meeting, University of South Florida, Tampa, FL. (meeting co-chair)
- 39) 1996 "A General Procedure for Handling Missing Data Using Multiple Imputations", Prevention Science and Methodology Group Training in Growth Curves and Missing Data, University of South Florida, Tampa, FL.
- 40) 1996 "New Developments for Growth Curve Modeling for Prevention," National Institute of Mental Health, Child and Adolescent Mentored K Awardee Meeting, Rockville, MD (Invited Presentation)
- 41) 1996 "Methodology for Preventive Trials: Growth Modeling," Society for Prevention Research, San Juan, PR.
- 42) 1996 "What's Nonignorable about Nonignorably Missing Data?," Department of Statistics, University of Florida, Gainesville, FL.
- 43) 1996 "Prevention Trials for Mental Disorders," Division of Biostatistics, University of Florida, Gainesville, FL.
- 44) 1996 "Shared and Nonshared Aspects of Preventive and Treatment Trials," Association for Clinical Psychosocial Research, Massachusetts General Hospital, Boston, MA.
- 45) 1997 "New Methodological Advances in Longitudinal Analysis: Implications for Prevention Research." With Sheppard G. Kellam, Lawrence S. Mayer, Jason Liao, Beth A. Melton, Jason Liao, and Bengt O. Muthen (session chair). Society for Research in Child Development, Washington, DC.
- 46) 1997 "Designs for Preventive Trials in Mental Health," University of Washington Social Work Prevention Research Center, Seattle, WA.
- 47) 1997 "Developing a Registry of Preventive Trials," Special Ad Hoc Meeting, Prevention Science and Methodology Group, Baltimore, MD, (meeting co-chair).
- 48) 1997 "Design and Analysis of Prevention Trials for the Future," Prevention Science and Methodology Group Meeting, Johns Hopkins University, Baltimore, MD (meeting co-chair).
- 49) 1997 "Power Calculations for Multistage Sampling Designs in Prevention Designs," Society for Prevention Research Annual Meeting, Baltimore, MD.
- 50) 1997 "A Scientific Registry for Prevention Trials," World Federation for Mental Health Meeting, Lahti, Finland (Invited Presentation)
- 51) 1997 "Three Preventive Trials that Test Developmental Theory," American Psychological Association, Chicago, IL.
- 52) 1997 "Matching communities for assignment and analysis: Finding modal profiles of community risk and protection for matching," Prevention Science and Methodology Group Meeting, University of Washington, Seattle, WA (meeting co-chair).
- 53) 1998 "What's Nonrandom about Nonrandomly Missing Data?," Division of Epidemiology and Biostatistics, University of Illinois at Chicago, Chicago, IL.
- 54) 1998 "Designs and Analyses for Preventive Trials," School of Social Welfare, SUNY Albany, Albany NY.

- 55) 1998 "Practical Solutions to Missing Data and Other Problems in Longitudinal Research," School of Social Work, University of Tennessee at Memphis, Memphis, TN.
- 56) 1998 "What do we mean by evidence-based research?" Florida Statewide Prevention Conference: Florida's Prevention Toolbox: Building Safe and Drug-Free Communities, Tampa, Florida
- 57) 1998 "Designs for the Next Stage of School-Based Preventive Intervention Trials," Integrating Statistical Methods with Prevention Research and Programs, National Institute of Mental Health and the Johns Hopkins University Prevention Intervention Research Center, Baltimore, MD
- 58) 1998 "Growth Models for Preventive Trials," (with Bengt Muthen and Mike Stoolmiller) Preconference Training, Society for Prevention Research, Park City, Utah
- 59) 1998 "Power calculations for multistage designs when data are censored and missing," (with Alka Indurkha) Society for Prevention Research, Park City, Utah
- 60) 1998 "Standards of evidence for risk factors," National Institute of Mental Health Taking Stock of Risk Factors for Externalizing Behavior Problems, Washington, DC.
- 61) 1998 "Interpreting and understanding what research claims to say about prevention," Invited presentation, U.S. Safe and Drug Free Schools National Convention, Washington, DC
- 62) 1998 "Prevention Science and Methodology Group; Multidisciplinary training in prevention," Invited presentation, American Psychological Association, San Francisco, CA.
- 63) 1998 "An Evidence-Based Approach to Evaluating Suicide Prevention Approaches," Suicide Prevention Advocacy Network National Conference, Reno, Nevada
- 64) 1998 "Design of School, Community, and Practice Intervention Studies: Solutions for the Next Generation of Trials," co-chair, American Public Health Association National Meeting, Washington, D.C.
- 65) 1998 "Developing and Validating Registries of Preventive Trials," co-chair, American Public Health Association National Meeting, Washington, D.C.
- 66) 1998 "International Classification of Preventive Trials Meeting," co-chair, Washington D.C.
- 67) 1999 "Designing Trials for Mental Health Promotion and disorder Prevention," ZORG Onderzoek Nederland (ZON), The Haag, Netherlands.
- 68) 1999 "Predicting the Effect of Preventive Interventions: A Theoretical Framework, Empirical Evidence, and Methodologic Issues," (with Clemens Hosman, Eva Jane Llopis, Esther, Alart, and Richard Price), Society for Prevention Research Annual Meeting, New Orleans, LA.
- 69) 1999 "International Registry of Preventive Trials," Society for Prevention Research Annual Meeting, New Orleans, LA.
- 70) 1999 "Innovations in Training at Mental Health, AIDS, Drug and Alcohol Prevention Research Centers," (with Irwin Sandler, William Bukoski, Gina Agosinnelli, Mark Roosa, Gilbert Botvin, and J. Mark Eddy), Society for Prevention Research Annual Meeting, New Orleans, LA.
- 71) 1999 "Science in a Fishbowl," (with Willo Pequegnat, Robert Johnson, Jeffrey Kelly, and Mary Jane Rotheram), Special presentation at the American Psychological Association Meeting, Boston, MA.
- 72) 1999 "Principles of Effective Prevention," Binational Symposium on Drug Abuse and Addiction Research and Innovation, Co-sponsored by Nederlandse Organisatie voor Wetenschappelijk Onderzoek, Zorg

Onderzoek Nederland, National Institute on Drug Abuse (NIH), and the Royal Netherlands Academy of Arts and Sciences, Amsterdam, The Netherlands.

- 73) 1999 "Enhancing the Effectiveness of Prevention Programs in Communities: An Evidence-Based Strategy," American Public Health Association Pre-Conference Workshop on Prevention Science, Policy and Programs, co-sponsored by the Center for Mental Health Services, the National Mental Health Association, and the Society for Prevention Research, Chicago, IL.
- 74) 1999 "Power in Implementation Designs," Penn State University, College Park, PA.
- 75) 2000 "Evaluating the Evidence of Effectiveness for Preventive Interventions," Addictions 2000 National Institute for Drug Abuse and National Institute of Mental Health Joint Conference, Hyannis, MA (Invited Presentation)
- 76) 2000 "Examining Effect Predictors for Prevention Using a Registry of Preventive Trials," Inaugural World Conference on the Promotion of Mental Health and Prevention of Mental and Behavioral Disorders, The Carter Center, Atlanta, GA.2000 (Invited Presentation)
- 77) 2000 "Integrating Prevention into a Statewide Mental Health and Substance Abuse Plan," Florida Commission on Mental Health and Substance Abuse, Ft. Lauderdale, FL (Invited Presentation)
- 78) 2000 "Design and Analysis of Trials to Prevent Eating Disorders," National Institute of Mental Health Prevention of Eating Disorders Roundtable, Rockville, MD
- 79) 2000 "Methods for Analyzing Different Developmental Trajectories for Mental Health Outcomes," National Institute of Mental Health Longitudinal Research Planning Group, Rockville, MD.
- 80) 2001 "Designs for Implementation Studies to Improve Mental Health in Communities," Tampa System of Care for Children's Mental Health Conference, Tampa FL
- 81) 2001 "Enhancing the Science and Practice of Suicide Prevention: Common Themes for the National Suicide Prevention Council and the Society for Prevention Research," National Suicide Prevention Council, New York City, NY
- 82) 2001 "Evidence-Based Approaches Guiding the International Registry of Preventive Trials: Implications for Suicide," Preventing Suicide, A Scientific Consensus Process, University of Rochester R13 Conference on Suicide Prevention Washington, DC
- 83) 2001 "Quantitative Design Issues for Mental Health Services and Prevention Research," Dissemination and Implementation in Children's Mental Health, National Institute of Mental Health, Rockville, MD
- 84) 2002 "General Growth Mixture Modeling for Developmental Epidemiology," National Institute of Mental Health, Longitudinal Research Planning Group, Rockville, MD
- 85) 2002 "Analytical Methods for Assessing Long-Term Effects of Interventions," 42nd Annual Meeting of New Clinical Drug Evaluation Unit Program (NCDEU), National Institute of Mental Health, Boca Raton, FL
- 86) 2002 "Trial Designs for Nested Multilevel Preventive Interventions," Oregon Social Learning Center, Eugene, OR
- 87) 2002 "Prevention Science and Methodology Group Meeting," Co-Chair, UCLA, Los Angeles, CA
- 88) 2002 "Strategies and Methodologies for Prevention: Implications for Prevention of Psychosis," Prodromal Workshop on Prevention and Early Intervention in Schizophrenia, New York City, NY

- 89) 2002 “Designs for Implementation, Participation, Sustainability, and Dissemination,” Society for Prevention Research, Seattle, WA
- 90) 2002 “Analytical Methods and Diagnostics for Assessing Long-Term Effects of Interventions,” Longitudinal Research Workgroup in Criminality, University of Illinois at Chicago, Chicago, IL
- 91) 2002 “Reducing Youth Suicide: Strategies for Florida’s Families, Schools, Communities, and State Government,” Presentation at the Florida Legislature, Tallahassee, FL
- 92) 2002 “Design Choices for the Next Stage of WHO Mental Health Prevention Research and Policy,” World Health Organization, Geneva, Switzerland (Invited Presentation)
- 93) 2003 “Designing Randomized Preventive Field Trials for Effectiveness and Implementation Research,” American Academy for Health Behaviors, St. Augustine, FL (Invited Presentation)
- 94) 2003 “Multiple Imputation and Pseudoimputation for Model Diagnostics in Finite Mixture Growth Modeling,” ENAR Biometric Society, Tampa, FL
- 95) 2003 “Comprehensive, Community-Based Early Childhood Development Projects,” Society for Research and Child Development, Tampa, FL
- 96) 2003 “Design and Conduct of Randomized Field Trials in Schools,” Preconference Workshop, American Educational Research Association Annual Meeting, Chicago, IL.
- 97) 2003 “Detecting distal effects on low baserate disorders: What can we learn from prevention research?” *43rd Annual Meeting of New Clinical Drug Evaluation Unit Program (NCDEU)*, National Institute of Mental Health, Boca Raton, FL
- 98) 2003 “Analysis of Behavior Observation Data: The Ground Beneath Us and the New Horizon,” Meeting Co-chair for Workgroup on Observation Data and Analysis (WODA), Eugene, OR
- 99) 2004 “What preventive intervention trials have to say (and not say) about psychiatric diagnoses.” The Future of Psychiatric Diagnoses: Refining the Research Agenda, Launch and Methods Conference for DSM-V, American Psychiatric Association and the National Institutes of Health, Bethesda, MD
- 100) 2004 “Proximal-Distal Modeling and Mediation in Preventive Trials.” Society for Prevention Research, Quebec City, Canada
- 101) 2004 “The Meta-Analytic Follow-up Design: Methodology for Long-Term Evaluation of Suicide Prevention,” Society for Prevention Research, Quebec City, Canada
- 102) 2004 “Debating key issues of evaluation in research methodologies,” Invited Roundtable Discussion, Head Start’s 7th National Research Conference, Washington, DC.
- 1030 2004 “Improving Psychiatric Epidemiology with Prevention Methodology: New Opportunities for Suicide Prevention,” American Public Health Association Rema Lapouse Award for Psychiatric Epidemiology, Mental Health, Biostatistics, and Epidemiology sections.
- 104) 2004 “Randomized Trials for Population-Based Suicide Prevention,” Department of Mental Health, Bloomberg School of Public Health at Johns Hopkins.