

CURRICULUM VITAE (Short Version)

David Peter MacKinnon, Ph.D.

Department of Psychology
Arizona State University
Box 871104
Tempe, Arizona 85287-1104
Phone (480) 727-6120
Email: David.MacKinnon@asu.edu

Education

1979 B.A., Psychology, Harvard University
1982 M.A., Measurement and Psychometrics; University of California, Los Angeles
1986 Ph.D., Measurement and Psychometrics; University of California, Los Angeles

Employment

2010-2011 Visiting Professor Department of Epidemiology, University of California, Los Angeles
2008-present Foundation Professor, Dept of Psychology, Arizona State University
2000-2008 Professor, Dept of Psychology, Arizona State University
1994-2000 Associate Professor, Dept of Psychology, Arizona State University
1990-1994 Assistant Professor, Dept of Psychology, Arizona State University
1986-1990 Assistant Professor, Dept of Preventive Medicine, Institute for Health Promotion and Disease Prevention, School of Medicine, University of Southern California

Honors and Awards

2014 Thomson Reuters Highly Cited Researcher and World's Most Influential Minds Lists
2013 Fellow of the Society for Prevention Research
2012 Fellow of the Association for Psychological Science
2011 Nan Tobler Award for Review of Prevention Science for 2008 book *Introduction to Statistical Mediation*.
2009 Fellow of American Psychological Association Division 5 (Evaluation, Measurement and Statistics).
2007 Arizona State University Outstanding Graduate Mentor Award
2006 Elected to the Society for Multivariate Experimental Psychology.

External Funding

1. (Principal Investigator) Effects of alcohol labeling legislation on adolescents. National Institute on Alcoholism and Alcohol Abuse. (\$986,908 Direct Costs. Funded March 1, 1990).
2. (Principal Investigator of subcontract) Parenting skills, alcohol and drug abuse prevention-Satellite. National Institute on Alcoholism and Alcohol Abuse (September, 1989 - August 1990).
3. (Principal Investigator) Measurement of mediation in prevention studies. National Institute on Drug Abuse. (\$49,019 Direct Costs. Funded September 1, 1990).
4. (Co-Principal Investigator) Comprehensive community drug abuse prevention through adolescence and early adulthood. National Institute on Drug Abuse. (\$4,036,912 Direct Costs. Funded December, 1, 1990).
5. (Training Faculty) Research training in child mental health/primary prevention. National Institute of Mental Health (\$110,291 Direct Costs. Funded August 1, 1990).
6. (Principal Investigator) City-level alcohol related problems and availability database. National Institute on Alcohol Abuse and Alcoholism (\$49,916 Direct Costs. Funded June 1, 1991).
7. (Co-Principal Investigator) School-Based Steroid Prevention Project. National Institute on Drug Abuse. Oregon Health and Science University. P.I. Linn Goldberg, M.D. (\$90,109 Direct Costs. Funded July 1, 1993).

8. (Principal Investigator) Estimating Mediation Effects in Prevention Studies. National Institute on Drug Abuse. (\$503,495 Direct Costs. Funded July 1, 1996).
9. (Principal Investigator) Effects of Alcohol Labeling Legislation on Adolescents. National Institute on Alcoholism and Alcohol Abuse. Competing Continuation grant. (\$280,000 Direct Costs. Funded October 1996).
10. (Co-Principal Investigator) Student Athlete Drug Surveillance Trial. National Institute on Drug Abuse. Oregon Health and Science University. P.I. Linn Goldberg, M.D. (\$417,231 Direct Costs. Funded August 5, 1999).
11. (Principal Investigator) Analysis of Team-Based Substance Abuse Prevention. Competing continuation proposal. National Institute on Drug Abuse, (\$500,000 Direct Costs. Funded August 20, 2000).
12. (Co-Investigator) Stress and Adaptation to Rheumatoid Arthritis. Proposal for NIH. P. I. Alex J. Zautra at Arizona State University. (\$308,677 Direct Costs. Funded June 5, 2000).
13. (Training Faculty) Center for the Prevention of Child and Family Stress (Renewal). National Institute for Mental Health. (\$5,307,437 Direct Costs. Funded February 1, 2000).
14. (Principal Investigator) Secondary Analysis of School-Based Prevention of Adolescent Driving Under the Influence (New). National Institute on Alcohol Abuse and Alcoholism. (\$300,000 Direct Costs. Funded March 1, 2002).
15. (Principal Investigator) Estimating Mediation Effects in Prevention Studies (Competing Continuation). National Institute on Drug Abuse. (\$608,075 Direct Costs. Funded on August 5, 2003).
16. (Co-Principal Investigator) School-Based Drug Use Prevention for Girl Athletes. National Institute on Drug Abuse. Oregon Health and Science University. P.I. Diane Elliot, M.D. (\$56,969 Direct Costs. Funded August 28, 2003).
17. (Co- Investigator) Fibromyalgia: Interventions for Pain and Mood Regulation. National Institute of Health. P.I. Mary C. Davis, Ph.D. (Funded)
18. (Co-Principal Investigator and Principal Investigator of subcontract) Promoting Healthy Living: Assessing More Effects (PHLAME). National Institute of Health. Oregon Health and Science University. P.I. Diane Elliot, M.D. (\$182,885 Direct Costs. Funded on January 1, 2006; Supplement Funded September, 2009).
19. (Principal Investigator) Estimating Mediation Effects in Prevention Studies (Competing Continuation). National Institute on Drug Abuse. (750,000 Direct Costs. Funded on July 1, 2009).
20. (Co-Principal Investigator and Principal Investigator of subcontract from Oregon Health Sciences University) Investigation and to Guide New Insights (IGNITE). National Institute of Health. Oregon Health and Science University. P.I. Diane Elliot, M.D. (Challenge grant Funded on September 1, 2009).
21. (Co-Principal Investigator and Principal Investigator of subcontract from Claremont-McKenna University) Habitual and Neurocognitive Processes in Adolescent Obesity Prevention. Funded September 1, 2009
22. (Co-Investigator) Coregulatory predictors of postpartum depression in low-income Mexican Americans. P. I. Linda Luecken. Funded Jan 1, 2009. (2,200,000 Total Direct Costs)
23. (Co-Principal Investigator and Principal Investigator of subcontract from Oregon Health Sciences University) SHIELD Health promotion program for police officers. Funded November 1, 2010
24. (Co-Investigator) Coregulatory predictors of postpartum depression in low-income Mexican Americans—Competing Supplement. P. I. Linda Luecken Funded April 1, 2011. (1,040,000 Total Direct Costs)

Peer-reviewed Publications

(* indicates student author)

1. Geiselman, R. E., MacKinnon, D. P., Fishman, D. L., Jaenicke, C., Larner, B., Schoenberg, S., & Schwartz, S. (1983). Mechanisms of hypnotic and nonhypnotic forgetting. *Journal of Experimental Psychology: Learning, Memory and Cognition*, 9, 626-635.
2. Fisher, R., Geiselman, R. E., MacKinnon, D. P., & Holland, H. L. (1984). Interviews to enhance the memory of eyewitnesses to crime. *International Journal of Investigative and Forensic Hypnosis*, 7, 28-31.
3. Geiselman, R. E., Fisher, R., MacKinnon, D. P., & Holland, H. L. (1985). Eyewitness memory enhancement in the Police interview: Cognitive retrieval mnemonics versus hypnosis. *Journal of Applied Psychology*, 70, 401-414.
4. Geiselman, R. E., Rabow, V. E., Wachtel, S. L., & MacKinnon, D. P. (1985). Strategy control in intentional forgetting. *Human Learning*, 4, 169-180.
5. Guerin, D., & MacKinnon, D. P. (1985). An assessment of the impact of the California child seat restraint requirement. *The American Journal of Public Health*, 75, 142-144.
6. MacKinnon, D. P., Geiselman, R. E., & Woodward, J. A. (1985). The effects of effort on Stroop interference. *Acta Psychologica*, 58, 225-235.
7. Geiselman, R. E., Fisher, R., MacKinnon, D. P., & Holland, H. L. (1986). Eyewitness memory enhancement with the cognitive interview. *American Journal of Psychology*, 99, 385-401.
8. MacKinnon, D. P., & Woodward, J. A. (1986). The impact of raising the minimum drinking age on driver fatalities. *The International Journal of the Addictions*, 21, 1331-1338.
9. Fisher, D. G., MacKinnon, D. P., Anglin, M. D., & Thompson, J. P. (1987). Parental influences on substance abuse: Gender differences and stage theory. *The Journal of Drug Education*, 17, 69-85.
10. Mende, L., MacKinnon, D. P., & Geiselman, R. E. (1987). Memory for license plates as a function of exposure time. *Journal of Police Science and Administration*, 15, 68-71.
11. Memon, A., Dionne, R., Short, L., Maralani, S., MacKinnon, D. P., & Geiselman, R. E. (1988). Psychological factors in the use of photospreads. *Journal of Police Science and Administration*, 16, 62-69.
12. Dwyer, J. H., MacKinnon, D. P., Pentz, M. A., Flay, B. R., Hansen, W. B., Johnson, C. A., & Wang, E. (1989). Estimating intervention effects on longitudinally observed health behaviors: The Midwestern Prevention Project. *American Journal of Epidemiology*, 130, 781-795.
13. MacKinnon, D. P., Weber, M. D., & Pentz, M. A. (1989). How do school-based drug prevention programs work and for whom? *Drugs and Society*, 3, 125-143.
14. Pentz, M. A., Brannon, B. R., Charlin, V. L., Barret, E. J., MacKinnon, D. P., & Flay, B. R. (1989). The power of policy: Relationship of smoking policy to adolescent smoking. *American Journal of Public Health*, 79, 857-862.
15. Pentz, M. A., Dwyer, J. H., MacKinnon, D. P., Flay, B. R., Hansen, W. B., Wang, E., & Johnson, C. A. (1989). A multi-community trial for primary prevention of adolescent drug abuse: Effects on drug use prevalence. *Journal of the American Medical Association*, 261(22), 3259-3266.
16. Pentz, M. A., Johnson, C. A., Dwyer, J. H., MacKinnon, D. P., Hansen, W. B., & Flay, B. R. (1989). A comprehensive community approach to adolescent drug abuse prevention: Cardiovascular disease risk behaviors. *Annals of Medicine*, 21, 219-222.
17. Pentz, M. A., MacKinnon, D. P., Dwyer, J. H., Flay, B. R., Hansen, W. B., & Johnson, C. A. (1989). Primary prevention of chronic disease in adolescence: First year effects of the Midwestern Prevention Project (MPP) on tobacco use. *American Journal of Epidemiology*, 130, 713-724.
18. Pentz, M. A., MacKinnon, D. P., Dwyer, J. H., Wang, E., Hansen, W. B., Flay, B. R., & Johnson, C. A. (1989). Longitudinal effects of the Midwestern Prevention Project (MPP) on regular and experimental smoking in adolescents. *Preventive Medicine*, 18, 304-321.
19. Johnson, C. A., Pentz, M. A., Weber, M. D., Dwyer, J. H., Baer, N., MacKinnon, D. P., Flay, B. R., & Hansen, W. B. (1990). Relative effectiveness of comprehensive community programming for drug abuse prevention with high-risk and low-risk adolescents. *Journal of Consulting and Clinical Psychology*, 58, 447-456.
20. MacKinnon, D. P., O'Reilly, K., & Geiselman, R. E. (1990). Improving eyewitness recall for license plates. *Applied Cognitive Psychology*, 4, 129-140.
21. Pentz, M. A., Trebow, E. A., Hansen, W. B., MacKinnon, D. P., Dwyer, J. H., Flay, B. R., Daniels, S., Cormack, C., & Johnson, C. A. (1990). Effects of program implementation on adolescent drug use behavior: The Midwestern Prevention Project. *Evaluation Review*, 14(3), 264-289.
22. Cohen, D., Dent, C., MacKinnon, D. P., & Galvan, C. (1991). Brief Report: Condom skills education & sexually transmitted disease reinfection. *Journal of Sex Research*, 28(1), 139-144.

23. MacKinnon, D. P., Johnson, C. A., Pentz, M. A., Dwyer, J. H., Hansen, W. B., Flay, B. R., & Wang, E. (1991). Mediating mechanisms in a school-based drug prevention program: One year effects of the Midwestern Prevention Project. *Health Psychology, 10*(3), 164-172.
24. Cohen, D. A., Dent, C., MacKinnon, D. P., & Hahn, G. (1992). Condoms for men, not women. *Sexually Transmitted Diseases, 19*(5), 245-251.
25. Cohen, D., MacKinnon, D. P., Dent, C., Mason, H. R., & Sullivan, E. (1992). Group counseling at STD clinics to promote use of condoms. *Public Health Reports, 107*(6), 727-731.
26. Fabricius, W. V., Nagoshi, C. T., & MacKinnon, D. P. (1993). Beliefs about the harmfulness of drug use in adults who use different drugs. *Psychology of Addictive Behaviors, 7*(1), 52-65.
27. *Fenaughty, A., & MacKinnon, D. P. (1993). Immediate effects of the Arizona alcohol warning poster. *Journal of Public Policy and Marketing, 12*(1), 69-77.
28. MacKinnon, D. P. (1993). A choice-based method to compare alcohol warning labels. *Journal of Studies on Alcohol, 54*(5), 614-617.
29. MacKinnon, D. P., & Dwyer, J. H. (1993). Estimating mediated effects in prevention studies. *Evaluation Review, 17*(2), 144-158.
30. MacKinnon, D. P., & *Fenaughty, A. (1993). Substance use and memory for health warning labels. *Health Psychology, 12*(2), 147-150.
31. MacKinnon, D. P., Pentz, M. A., & Stacy, A. W. (1993). The alcohol warning label and adolescents: The first year. *American Journal of Public Health, 83*(4), 585-587.
32. Stacy, A. W., MacKinnon, D. P., & Pentz, M. A. (1993). Generality and specificity in health behaviors: Application to warning label and social influence expectancies. *Journal of Applied Psychology, 78*(4), 611-627.
33. *Fenaughty, A. M., Fisher, D. F., MacKinnon, D. P., Wilson, P. J., & Cagle, H. H. (1994). Predictors of condom use among Alaska native, white, and black drug users in Alaska. *Circumpolar Health, 53*, 704-711.
34. MacKinnon, D. P. (1994). Comment on Stam, Murry, and Lastovicka [Letter to the Editor], *Journal of the American Statistical Association, 89*, 724.
35. MacKinnon, D. P., Nemeroff, C., & *Nohre, L. (1994). Avoidance responses to alcohol warning labels. *Journal of Applied Social Psychology, 24*, 733-753.
36. MacKinnon, D. P., Pentz, M. A., Broder, B. I., & *MacLean, M. G. (1994). Social influences on adolescent driving under the influence in a sample of high school students. *Alcohol, Drugs, and Driving, 10* (3-4), July – December, 233-241.
37. Scribner, R., MacKinnon, D. P., & Dwyer, J. H. (1994). Alcohol outlet density and motor vehicle crashes in Los Angeles County cities. *Journal of Studies on Alcohol, 55*, 447-453.
38. MacKinnon, D. P., Scribner, R. S., & Taft, K. (1995). Development and applications of a city-level alcohol availability and alcohol problems database. *Statistics in Medicine, 14*, 591-604.
39. MacKinnon, D. P., *Warsi, G., & Dwyer, J. H. (1995). A simulation study of mediated effect measures. *Multivariate Behavioral Research, 30*(1), 41-62.
40. MacKinnon, D. P., *Williams-Avery, R., & Pentz, M. (1995). Youth beliefs and knowledge about the risks of drinking while pregnant. *Public Health Reports, 110*, 754-763. (Summary published in L. A. Egendorf (Ed.), *Teen alcoholism*. San Diego, CA: Greenhaven Press, Inc.).
41. Scribner, R., MacKinnon, D. P., & Dwyer, J. (1995). The risk of assaultive violence associated with alcohol outlets in Los Angeles County. *American Journal of Public Health, 85*, 335-340.
42. Donaldson, S. I., Sussman, S., MacKinnon, D. P., Severson, H. H., Glynn, T., Murray, D. M., & Stone, E. (1996). Drug abuse prevention programming: Do we know what content works? *American Behavioral Scientist, 39*(7), 868-883.
43. Goldberg, L., Elliot, D. L., Clarke, G. N., MacKinnon, D. P., Moe, E., Zoref, L., Green, C., Wolf, S. L., Greffrath, E., Miller, D., & *Lapin, A. (1996). Effects of a multi-dimensional anabolic steroid prevention intervention: The adolescents training and learning to avoid steroids (ATLAS) prevention program. *Journal of the American Medical Association, 276*, 1555-1562.
44. Goldberg, L., Elliot, D. L., Clarke, G. N., MacKinnon, D.P., Zoref, L., Moe, E., Green, C., Wolf, S. L., & *Schoenherr, D. (1996). The adolescents training and learning to avoid steroids (ATLAS) prevention program: Background and results of model intervention. *Archives of Pediatric and Adolescent Medicine, 150*, 713-721.
45. Graham, J. W., Hofer, S. M., & MacKinnon, D. P. (1996). Maximizing the usefulness of data obtained with planned missing data patterns: An application of maximum likelihood procedures. *Multivariate Behavioral Research, 31*, 197-218.
46. Johnson, C. A., MacKinnon, D. P., & Pentz, M. A. (1996). Breadth of program and outcome effectiveness in drug abuse prevention, *American Behavioral Scientist, 39*, 884-896.
47. *Williams-Avery, R., & MacKinnon, D. P. (1996). Injuries and use of protective equipment among

- college in-line skaters. *Accident Analysis and Prevention*, 28, 779-784.
48. Dwyer, J. H., & MacKinnon, D. P. (1997). Outcome measurement issues in drug abuse prevention studies. *Substance Use & Misuse*, 32 (12 & 13), 1667-1668.
 49. Fabricius, W. V., Nagoshi, C., & MacKinnon D. P. (1997). Concepts of drugs: differences in conceptual structure across groups with different levels of drug experience. *Addiction*, 92(7), 847-858.
 50. *Finch, J. F., West, S., & MacKinnon, D. P. (1997). Effects of sample size and nonnormality on the estimation of mediated effects in latent variable models. *Structural Equation Modeling*, 4 (2), 87-107.
 51. Hecht, M., Trost, M., *Bator, R., & MacKinnon, D. P. (1997). Ethnicity and sex similarities and differences in drug resistance. *Journal of Communication*, 25, 75-97.
 52. *Barr, A., & MacKinnon, D. P. (1998). Designated driving among college students. *Journal of Studies on Alcohol*, 59, 549-554.
 53. Chou, C. P., Montgomery, S., Pentz, M. A., Rohrbach, L. A., Johnson, C. A., Flay, B. R., & MacKinnon, D. P. (1998). Effects of a community-based prevention program on decreasing drug use in high-risk adolescents. *American Journal of Public Health*, 88(6), 944-948.
 54. MacKinnon, D. P., & *Lapin, A. (1998). The effects of alcohol warnings and advertisements: A test of the boomerang hypothesis. *Psychology & Marketing*, 15(7), 707-726.
 55. *Krull, J. L., & MacKinnon, D. P. (1999). Multilevel mediation modeling in group-based intervention studies. *Evaluation Review*, 23(4), 418-444.
 56. MacKinnon, D. P., *Williams-Avery, R., *Wilcox, K., & *Fenaughty, A. (1999). Effects of the Arizona alcohol warning poster. *Journal of Public Policy and Marketing*, 18(1), 77-88.
 57. *Nohre, L., MacKinnon, D. P., Stacy, A. W., & Pentz, M. A. (1999). The association between adolescents' receiver characteristics and exposure to the alcohol warning label. *Psychology & Marketing*, 16(3), 245-259.
 58. *Gerend, M., MacKinnon, D. P., & *Nohre, L. (2000). High school student's knowledge and beliefs about television advisory warnings. *Journal of Applied Communication Research*, 28(4), 291-308.
 59. Goldberg, L., MacKinnon, D. P., Elliot, D., Moe, E., Clarke, G., & *Cheong, J. (2000). The adolescents training and learning to avoid steroids program: Preventing drug use and promoting health behaviors. *Archives of Pediatrics and Adolescent Medicine*, 154, 332-338.
 60. MacKinnon, D. P., *Krull, J. L., & *Lockwood, C. M. (2000). Equivalence of the mediation, confounding, and suppression effect. *Prevention Science*, 1(4), 173-181.
 61. MacKinnon, D. P., *Nohre, L., Pentz, M., & Stacy, A. (2000). The alcohol warning and adolescents: 5-year effects. *American Journal of Public Health*, 90(10), 1589-1594.
 62. *Proescholdbell, R. J., Chassin, L., & MacKinnon, D. P. (2000). Home smoking restrictions and adolescent smoking. *Nicotine & Tobacco Research*, 2(2), 159-167.
 63. Sandler, I. N., Kim-Bae, L. S., & MacKinnon, D. P. (2000). Coping and negative appraisal as mediators between control beliefs and psychological symptoms in children of divorce. *Journal of Clinical Child Psychology*, 29(3), 336-347.
 64. *Krull, J. L., & MacKinnon, D. P. (2001). Multilevel modeling of individual and group level mediated effects. *Multivariate Behavioral Research*, 36(2), 249-277.
 65. MacKinnon, D. P., Goldberg, L., Clarke, G. N., Elliot, D. L., *Cheong, J., *Lapin, A., Moe, E. L., & *Krull, J. L. (2001). Mediating mechanisms in a program to reduce intentions to use anabolic steroids and improve exercise self-efficacy and dietary behavior. *Prevention Science*, 2(1), 15-28.
 66. MacKinnon, D. P., *Nohre, L., *Cheong, J., Stacy, A. W., & Pentz, M. A. (2001). Longitudinal relationship between the alcohol warning and alcohol consumption. *Journal of Studies on Alcohol*, 62(2), 221-227.
 67. Jones, S., Eisenberg, N., Fabes, R. A., & MacKinnon, D. P. (2002). Parents' reactions to elementary school children's negative emotions: Relations to social and emotional functioning at school. *Merrill Palmer Quarterly*, 48(2), 133-159.
 68. MacKinnon, D. P., *Lockwood, C. M., *Hoffman, J. M., West, S. G., & *Sheets, V. (2002). A comparison of methods to test mediated and other intervening variable effects. *Psychological Methods*, 7(1), 83-104.
 69. MacKinnon, D. P., *Taborga, M. P., & *Morgan-Lopez, A. A. (2002). Mediation designs for tobacco prevention research. *Drug and Alcohol Dependence*, 68, S69-S83.
 70. *Cheong, J., MacKinnon, D. P., & Khoo, S.-T. (2003). Investigation of mediational processes using parallel process latent growth curve modeling. *Structural Equation Modeling*, 10(2), 238-262.
 71. *Davis, C. H., MacKinnon, D. P., *Schultz, A., & Sandler, I. (2003). Cumulative risk and population attributable fraction in prevention. *Journal of Clinical Child and Adolescent Psychology*, 32(2), 228-235.

72. Goldberg, L., Elliot, D. L., MacKinnon, D. P., Moe, E., Kuehl, K. S., *Nohre, L., & *Lockwood, C. M. (2003). Drug testing athletes to prevent substance abuse: Background and initial results of the SATURN (Substance Abuse Testing Using Random Notification) study. *Journal of Adolescent Health, 32*(1), 16-25.
73. *Morgan-Lopez, A. A., Castro, F. G., Chassin, L., & MacKinnon, D. P. (2003). A mediated moderation model of cigarette use among Mexican-American youth. *Addictive Behaviors, 28* (3), 583-589.
74. MacKinnon, D. P., Goldberg, L., *Cheong, J., Elliot, D., Clarke, G., & Moe, E. (2003). Male body image and physical measurements: Do leaner, or stronger, high school football players have a more positive body image? *Journal of Sport and Exercise Psychology, 25*(3), 307-322.
75. MacKinnon, D. P., & *Lockwood, C. M. (2003). Advances in statistical methods for substance abuse prevention research. *Prevention Science, 4*(3), 155-171.
76. MacKinnon, D. P., *Lockwood, C. M., & *Williams, J. (2004). Confidence limits for the indirect effect: Distribution of the product and resampling methods. *Multivariate Behavioral Research, 39*(1), 99-128.
77. Tein, J.-Y., Sandler, I. N., MacKinnon, D. P., & Wolchik, S. A. (2004). How did it work? Who did it work for? Mediation in the context of a moderated prevention effect for children of divorce. *Journal of Consulting and Clinical Psychology, 72*(4), 617-624.
78. *Fritz, M. S., MacKinnon, D.P., *Williams, J., Goldberg, L., Moe, E.L., & Elliot, D.L. (2005). Analysis of baseline by treatment interactions in a drug prevention and health promotion program for high school male athletes. *Addictive Behaviors, 30*, 1001-1005.
79. *Morgan-Lopez, A. A., & MacKinnon, D. P. (2006). Demonstration and evaluation of a method to assess mediated moderation. *Behavior Research Methods, 38*(1), 77-87.
80. *Cheong, J., *Hall, N. M., & MacKinnon, D. P. (2006). Use of designated boat operators and designated drivers among college students. *Journal of Studies on Alcohol, 67*, 616-619.
81. Barrera, M., Jr., Toobert, D., Glasgow, R. E., Angell, K., & MacKinnon, D. P. (2006). Social support and social-ecological resources as mediators of lifestyle intervention effects for type 2 diabetes. *Journal of Health Psychology, 11*, 483-495.
82. MacKinnon, D. P., *Fairchild, A. J., *Fritz, M. S. (2007). Mediation analysis. *Annual Review of Psychology, 58*, 593 -614.
83. *Fritz, M. S., & MacKinnon, D. P. (2007). Required sample size to detect the mediated effect. *Psychological Science, 18*(3), 233-239.
84. MacKinnon, D. P., *Fritz, M. S., *Williams, J., & *Lockwood, C. M. (2007). Distribution of the product confidence limits for the indirect effect: Program PRODCLIN. *Behavior Research Methods, 39*, 384 - 389.
85. Goldberg, L., Elliot, D. L., MacKinnon, D. P., Moe, E. L., Kuehl, K. S., Yoon, M., *Taylor, A., & *Williams, J. (2007). Outcomes of a Prospective Trial of Student-Athlete Drug Testing: The Student Athlete Testing Using Random Notifications (SATURN) Study. *Journal of Adolescent Health, 41*, 421-429.
86. MacKinnon, D. P., *Lockwood, C. M., Brown, C.H., & *Hoffman, J. M. (2007). The intermediate endpoint effect in logistic and probit regression. *Clinical Trials, 4*, 499 - 513.
87. Barrera, M., Jr., Strycker, L. A., MacKinnon, D. P., Toobert, D. J. (2008). Social-ecological resources as mediators of two-year diet and physical activity outcomes in type 2 diabetes patients. *Health Psychology, 27*, S118-S125.
88. Brown, C. H., Wang, W., Kellam, S. G., Muthen, B. O., Petras, H., Toyinbo, P., et al. (2008). Methods for testing theory and evaluating impact in randomized field trials: Intent-to-treat analyses for integrating the perspectives of person, place, and time. *Drug and Alcohol Dependence, 95*S, S74-S104.
89. Cerin, E., & MacKinnon, D. P. (2008). A commentary on current practice in mediating variable analyses in behavioural nutrition and physical activity. *Public health nutrition*. doi:10.1017/S1368980008003649
90. *Fritz, M. S., & MacKinnon, D. P. (2008). A graphical representation of the mediated effect. *Behavior Research Methods, 40*, 55-60.
91. MacKinnon, D. P., & Luecken, L. J. (2008). How and for whom? Mediation and moderation in health psychology. *Health Psychology, 27*(2), s99-s100.
92. *Taylor, A. B., MacKinnon, D. P., & Tein, J. Y. (2008). Tests of the three-path mediated effect. *Organizational Research Methods, 11*, 241-269.
93. *Williams, J., & MacKinnon, D. P. (2008). Resampling and distribution of the product methods for testing indirect effects in complex models. *Structural Equation Modeling, 15*, 23-51.
94. MacKinnon, D. P., & *Fairchild, A. J. (2009). Current directions in mediation analysis. *Current*

- Directions in Psychological Science*, 18, 16-20.
95. *Fairchild, A. J., MacKinnon, D. P. (2009). A general model for testing mediation and moderation effects. *Prevention Science*, 10, 87-99.
 96. *Ranby, K. W., Aiken, L. S., MacKinnon, D. P., Elliot, D. L., Moe, E. L., McGinnis, W., Goldberg, L. (2009). A mediation analysis of the ATHENA intervention for female athletes: Prevention of athletic-enhancing substance use and unhealthy weight loss behaviors. *Journal of Pediatric Psychology*, 34, 1069-1083.
 97. Bate, S. L., Stigler, M. H., Thompson, M. S., Arora, M., Perry, C. L., Reddy, K. S., & MacKinnon, D. P. (2009). Psychosocial mediators of a school-based tobacco prevention program in India: Results from the first year of project MYTRI. *Prevention Science*, 10, 116-128.
 98. *Fairchild, A.J., MacKinnon, D.P., Taborga, M.P., Taylor, A.B. (2009). R² effect-size measures for mediation analysis. *Behavior Research Methods*, 41, 486-498.
 99. *Tapia, H. A., Kinnier, R. T., & MacKinnon, D. P. (2009). A comparison of Mexican-American youth who are in gangs and those who are not. *Journal of Multicultural Counseling and Development*, 37, 229-239.
 100. *Tofighi, D., MacKinnon, D. P., & *Yoon, M. (2009). Covariances between regression coefficient estimates in a single mediator model. *British Journal of Mathematical and Statistical Psychology*. 62, 457-484.
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 117. Tofighi, D. West, S., & MacKinnon, D. P. (2012). Multilevel mediation analysis: the effects of omitted variables in the 1–1–1 model. *British Journal of Mathematical and Statistical Psychology*.
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 132. Yuan, Y. & MacKinnon, D. P. (In press). Robust mediation analysis based on median regression. *Psychological Methods*.
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 134. *Cox, M. G., *Kisbu-Sakarya, Y., *Miočević, M. & MacKinnon, D. P. (in press). Sensitivity plots for confounder bias in the single mediator model. *Evaluation Review*.
 135. Fritz, M. S., *Cox, M. G., & MacKinnon, D. P. (in press). Increasing Statistical Power in Mediation Models without Increasing Sample Size. *Evaluation and the Health Professions*.
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 138. MacKinnon, D. P., & Valente, M. J. (2014). Mediation from multilevel to structural equation modeling. *Annals of Nutrition and Metabolism*.
 139. Kisbu-Sakarya, Y., MacKinnon, D.P., & Miocevic, M. (2014). The distribution of the product explains normal theory mediation confidence interval estimation. *Multivariate Behavioral Research*, 49(3). 261-268.

Submitted Manuscripts

1. MacKinnon, D.P., Wurpts, I., & Valente, M. Memory and imagery as known effect validation of mediation analysis. Submitted.

2. Pirlott, A. & MacKinnon, D. P. (2014). Experimental Mediation Designs. Submitted

Books

1. Page, M. C., Braver, S. L., MacKinnon, D.P., & Levine, G. (2003). *Levine's Guide to SPSS for Analysis of Variance*. 2nd Edition. Mahwah, NJ: Lawrence Erlbaum Associates.
2. MacKinnon, D.P. (2008). *Introduction to statistical mediation analysis*. Mahwah, NJ: Erlbaum.

Chapters and Sections

1. Geiselman, R. E., Fisher, R., MacKinnon, D. P., & Holland, H. L. (1987). Eyewitness memory enhancement in the police interview: Cognitive retrieval mnemonics versus hypnosis. Reprinted in total in L. S. Wrightsman, C. E. Willis, & S. M. Kassin (Eds.) *On the witness stand: Controversies in the courtroom*. Beverly Hills, CA: Sage.
2. MacKinnon, D. P., Weber, M. D., & Pentz, M. A. (1989). How do school-based drug prevention programs work and for whom? In B. Segal (Ed.) *Perspectives on adolescent drug use*, New York: Haworth.
3. Dwyer, J. H., & MacKinnon, D. P. (1991). Outcome measurement issues in drug abuse prevention studies. In C. G. Leukefeld & W. J. Bukoski (Eds.), *Drug abuse prevention intervention research: Methodological issues*. U.S. Department of Health and Human Services, National Institute on Drug Abuse, Research Monograph 107 (pp. 183-194). Washington, DC: U.S. Government Printing Office.
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7. MacKinnon, D. P. (1994) Analysis of mediating variables in prevention intervention studies. In A. Cazares & L. A. Beatty (Eds.), *Scientific methods for prevention intervention research: NIDA research monograph 139* (DHHS Pub. 94-3631, pp.127-153). Washington, DC: U. S. Department of Health and Human Services.
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11. MacKinnon, D. P. (2000). Contrasts in multiple mediator models. In J. Rose, L. Chassin, C. C. Presson, & S. J. Sherman (Eds.), *Multivariate applications in substance use research: New methods for new questions* (pp. 141-160). Mahwah, NJ: Erlbaum.
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16. MacKinnon, D. P., *Williams-Avery, R. M., & Pentz, M. A. (2001). Many teenagers are not aware of the effects of drinking on pregnancy. In L. A. Egendorf (Ed.), *Teen alcoholism* (pp. 58-62). San Diego, CA: Greenhaven Press, Inc. (Original work published in *Public Health Reports*, 110, Nov/Dec, 1995).
17. MacKinnon, D. P., & Dwyer, J. H. (2003). Major data analysis issues in drug abuse prevention research. In Z. Sloboda & W. J. Bukoski (Eds.), *Handbook for drug abuse prevention: theory, science, and practice* (pp. 541-556). New York: Kluwer Academic/ Plenum Publishing.
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19. MacKinnon, D.P., *Nohre, L. (2006). Chapter 54: Alcohol and Tobacco Warnings. In M. Wogalter (Ed) *Handbook of Warnings* (pp. 669 – 685). Mahwah, NJ: Erlbaum.
20. MacKinnon, D. P. (2009). Mediating variable. In D. Matsumoto (Ed.) *The Cambridge Dictionary of Psychology*. Cambridge University Press.
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22. Fritz, M.S., & MacKinnon, D. P. (2012). Mediation models for development data. In B. Laursen, T. Little, & N. Card (Eds.), *Handbook of developmental research methods* (pp.291-310). New York: Guilford..
23. Roth, D.L., & MacKinnon, D.P. (2012). Mediation analysis with longitudinal data. In J.T. Newsom, R.N. Jones, & S.M. Hofer (Eds). *Longitudinal data analysis: A practical guide for researchers in aging, health, and social sciences* (pp. 181-216). New York: Routledge.
24. MacKinnon, D.P.,* Lockhart, G., *Baraldi, A., & Gelfand, L. (2013). Evaluating Treatment Mediators and Moderators. In Comer J. S. & P. C. Kendall (Eds.), *The Oxford Handbook of Research Strategies for Clinical Psychology*. New York: Oxford University Press.
25. MacKinnon, D. P., *Kisbu-Sakarya, Y., & *Gottschall, A. C. (2013). Developments in Mediation Analysis. In T. Little (Ed.), *Oxford Handbook of Quantitative Methods: Vol 2*. New York: Oxford University Press.
26. MacKinnon, D. P., Cheong, J., & *Pirlott, A. G. (2013). Mediation Analysis. In H. Cooper (Ed.) *APA Handbook of Research Methods in Psychology*. Washington, DC: American Psychological Association.
27. *Kisbu-Sakarya, Y., MacKinnon, D.P. & *O'Rourke, H. (In press). Statistical models of mediation for drug program evaluation. In L. M. Scheier (Ed.), *Handbook of Drug Prevention*. APA.
28. MacKinnon, D. P., & Tofighi, D. (In press). Statistical mediation analysis. *Handbook of Research in Psychology*.
29. Fairchild, A.J., & MacKinnon, D. P. (In press). Using mediation and moderation analyses to enhance prevention research. In Z. Sloboda & H. Petras (Eds.) *Advances in Prevention Science, Vol 1. Defining Prevention Science*.

Other Publications

1. Corker, K., MacKinnon, D. P., Guokas, J., & Lyman, J. (August, 1982). Final Report: Effectiveness for veteran quadriplegics of medical manipulators and design specifications for improved control. *Biotechnology Laboratory Report*, Los Angeles, CA: UCLA-ENG-82-68.
2. MacKinnon, D. P., Corker, K., Guokas, J., & Lyman, J. (1982). Myoelectric control of rehabilitation equipment by quadriplegics. In *Proceedings of the Eighth Annual Meeting of the American Spinal Injury Association*, 106-109.
3. MacKinnon, D. P., Tanie, K., & Lyman, J. (August, 1982). Evaluation of myoelectric control using facial muscles. *Biotechnology Laboratory Report*, UCLA-ENG-82-67.
4. MacKinnon, D. P. (1984). Re-analysis of Morse code learning data using structural equation models. In *Proceedings of the 1984 Annual Meeting of the Human Factors Society*, 1, 215-219.
5. Tanie, K., MacKinnon, D. P., & Lyman, J. (1984). Evaluation of myoelectric control using facial muscles. *Biomechanisms*, 4, 105-113.
6. White, S., MacKinnon, D. P., & Lyman, J. (1985). Modified petri net modeling sensitivity to workload manipulations. In *Proceedings of the 21st Annual Conference on Manual Control*.
7. Dwyer, J. H., & MacKinnon, D. P. (1987). Investigating temporal asymmetries in longitudinal studies with differential equation models. In *Proceedings of the 1987 Public Health Conference on Records and Statistics*, 88, 1214. Hyattsville, MD: DHHS.

8. MacKinnon, D. P., & Wang, E. (1989). A SAS/IML matrix program to estimate indirect effects and their standard errors. In *SUGI 14: Proceedings of the Statistical Analysis System Conference*, 1151-1156.
9. Wang, E., Gong, A., & MacKinnon, D. P. (1991). A program to compute odds ratios and confidence intervals from LOGIST output. In *SUGI 16: Proceedings of the Sixteenth Annual SAS Users Group International Conference 1991*, 1228-1231.
10. MacKinnon, D. P. (1992). Statistical simulations in CALIS. In *SUGI 17: Proceedings of the Seventeenth Annual SAS Users Group International Conference 1992*, 1199-1203.
11. MacKinnon, D. P., Stacy, A. W., *Nohre, L., & Geiselman, E. (1992). Effects of processing depth on memory for the alcohol warning label. In *Proceedings of the Human Factors Society 36th Annual Meeting, 1*, 538-542.
12. Scribner, R., Galaif, J., & MacKinnon, D. P. (1992). Mapping alcohol availability in Los Angeles County: A practical application of SAS/GRAPH. In *SUGI 17: Proceedings of the Seventeenth Annual SAS Users Group International Conference 1992*, 1324-1328.
13. *Lockwood, C. M., & MacKinnon, D. P. (1998). Bootstrapping the standard error of the mediated effect. In *Proceedings of the Twenty-third Annual SAS Users Group International Conference* (pp. 997-1002). Cary, NC: SAS Institute, Inc.
14. MacKinnon, D. P., & *Nohre, L. (1999). *Influence of a multi-component drug prevention program on alcohol warning label measures*. (Tech. Rep.). Tempe, AZ: Arizona State University, Research in Prevention Laboratory.
15. *Burrell, G.L., *Thoemmes, F., & MacKinnon, D. P. (2010). Visual displays of regression of the mean using SAS SGplot. Technical report for the *SAS Global Forum*.
16. MacDougall, J., Mackinnon, D. P., Lavins, B., Lembo, A., Shiff, S.J., Hao, X, Currie, M. (2013). PWE-027 Mediation Analysis Supports a Direct Effect of Linaclotide (LIN) on Abdominal Pain (AP) Relief Independent of Constipation Improvement, *Gut* 62 (Suppl 1), A141-A141

Computer Programs

1. MacKinnon, D. P. (1986). PLATEFINDER: An interactive program to aid in the recall of license plates, Copyright [Computer program].
2. MacKinnon, D. P., Dwyer, J. H., & Arminger, G. (1988). DIFFLONG: A program to calculate differential equation model parameters and their standard errors [Computer program].
3. MacKinnon, D. P. & Wang, E. (1989). INDIRECT: A program to calculate indirect effects and their standard errors [Computer program].
4. *Lockwood, C. M., & MacKinnon, D. P. (1998). BOOTME: Bootstrapping the standard error of the mediated effect. [Computer program]. In *Proceedings of the Twenty-third Annual SAS Users Group International Conference* (pp. 997-1002). Cary, NC: SAS Institute, Inc (also included in Non-Peer Review section).

Invited Presentations & Workshops (Selected, out of over 175)

MacKinnon, D. P. (1989, May). *Prevention of adolescent drug abuse: Effects of the Midwestern Prevention Project*. Invited lecture at the University of Oklahoma Department of Public Health, Oklahoma City, Oklahoma.

MacKinnon, D. P. (1991, November). *Measuring how prevention programs achieve their effects: Reaching out to kids*. Workshop presented at the 1991 Conference on Drug Free Schools, Washington, D.C.

Goldberg, L., Elliot, D., & MacKinnon, D. P. (1993, December). *Development of an anabolic steroid prevention program*. Invited paper presented at the 1993 Conference on Drug Free Schools, Washington, DC.

MacKinnon, D. P. (1994, January). *Prevention programs should be more narrowly defined*. Presentation at conference on Tobacco, Alcohol, and Other Drug Abuse Prevention: Research directions and Policy Implications. University of California Tobacco Related Disease Research Program, Irvine, CA.

MacKinnon, D. P. (February, 1994). *Drug use in Indianapolis*. Invited paper presented at the 1991 Indianapolis News Conference for High School Journalists. Indianapolis, Indiana. November, 1991 and 1992.

- MacKinnon, D. P. (1994, May). *Social influences on adolescent drinking and driving*. International Conference on Alcohol, Drugs, and Driving.
- MacKinnon, D. P. (1996, April). *Long-term effects of the alcohol warning label*. American Association for Addiction Medicine, Atlanta, Georgia.
- MacKinnon, D. P. (1996). *The ingredients of successful prevention programs: A scientific analysis*. National Prevention Network, Tucson, Arizona.
- MacKinnon, D. P. (1996, October). *Multiple mediator models*. Prevention Research Methodology Group, Tempe, AZ.
- MacKinnon, D. P., Goldberg, L., Elliot, D., Clarke, G., *Lapin, A. and Robinson, G. (1996, June). *Estimation of mediated effects in multiple mediator models*. Society for Prevention Research, San Juan, Puerto Rico.
- MacKinnon, D. P. (1997, July). *Warning label 5th year effects*. 1997 meeting of the Research Society on Alcoholism, San Francisco, CA.
- MacKinnon, D. P. (1997, August). *Mediation analysis in prevention research*. Paper presented at the 1997 meeting of the American Psychological Association, Chicago, IL.
- MacKinnon, D. P. & Tein, J. -Y. (1997, October). *Mediation models for implementation data*. Prevention Research Methodology Meeting, Seattle, WA.
- MacKinnon, D. P. & *Nohre, L. (2000, July-August). *Effects of the United States alcohol warning label on adolescents*. IEA/HFES 2000 Congress, San Diego, CA.
- MacKinnon, D. P. (2000, August). *Evaluating community strategies and programs*. The 2nd National Conference on Drug Abuse Prevention. Washington, DC.
- MacKinnon, D.P. (2003, March). *Comparison of single sample and resampling tests for mediation*. Society for Prevention Research, Washington, DC.
- MacKinnon, D.P. (2003, November). *Mediators & Moderators Workshop*, Western Psychiatric Institute & Clinic at the University of Pittsburgh School of Medicine, Pittsburgh, PA.
- MacKinnon, D.P. (2003, July). *Mediation analysis in social psychology*, workshop on mediation. Society of Personality and Social Psychology Summer Institute in Social Psychology, Boulder, CO.
- MacKinnon, D.P. (2003, November). *Moderators and mediators of treatments in randomized controlled trials*. Association for Advancement of Behavior Therapy, Boston MA.
- MacKinnon, D.P. (2003, December). *Mediators, moderators, & more*. University of Southern Florida, Tampa, FL.
- MacKinnon, D. P. (2004, February). *Mediating mechanisms*. National Institute on Drug Abuse Meeting on the Mechanisms of Action of Behavioral Treatments, Washington, DC.
- MacKinnon, D.P., & Alwin, D. (2004, March). Led a breakout discussion section at the Merrill Advanced Studies Center conference on Modeling Developmental Processes in Ecological Context, Tempe, AZ.
- MacKinnon, D.P. (2004, March). *Methodology for MH/drug prevention & early intervention mediation analysis*. Presentation to the University of South Florida Prevention Science & Methodology Group. Tampa, FL.
- MacKinnon, D.P. (2004, April). *Statistical mediation analysis*. Workshop presentation at the 84th annual convention of the Western Psychological Association, Phoenix, AZ.
- MacKinnon, D.P. (2004, November) *Mediation models for longitudinal data*. Presentation given at the

Arizona State University Prevention in Research Center Postdoc seminar, Tempe, AZ.

MacKinnon, D. P. (2005, February). *Longitudinal mediation models*. Invited presentation at Vanderbilt University, Nashville, TN.

MacKinnon, D. P. (2005, March). *Mediation analysis in drug prevention studies*. Invited presentation at the Family Studies Department, University of Arizona, Tucson, AZ.

MacKinnon, D. P. (2005, March). *Mediation models for longitudinal data*. Invited presentation at the Psychology Department, University of Arizona, Tucson, AZ.

MacKinnon, D. P. (2005, May). *Statistical mediation analysis*. Invited presentation at the Center for Disease Control AIDS/HIV Prevention Quantitative group.

MacKinnon, D. P. (2005, April). *Mediation and moderation in alcohol and tobacco research*. Workshop presentation for the Second East-West Conference on Tobacco and Alcohol Use meeting at the, Pasadena, CA.

MacKinnon, D.P. (2005, October). *Issues in mediation modeling in prevention effectiveness trials*. Workshop presentation to the New Directions for Mental Health and Drug Abuse Effectiveness and Dissemination Trial Research and Methodology. Baltimore, MD.

MacKinnon, D.P. (2006, April). *New methods for mediation analysis*. Invited presentation at the 86th annual Convention of the Western Psychological Association. Palm Springs, CA.

MacKinnon, D.P. (2006, June). Invited participant at a meeting with the Montana Meth Communications Research Workgroup. Washington, DC.

MacKinnon, D. P. (2006, November). *Mediation for physical activity interventions*. Invited presentation at the National Institutes for Health Grantee Meeting for Mechanisms of Physical Activity, Denver, CO.

MacKinnon, D. P. (2006, November). *Mediation*. Invited presentation at the University of Southern California, Los Angeles.

MacKinnon, D. P. (2006, November). *Designs for investigating mediation variables*. Invited presentation at Stanford University, Palo Alto, CA.

MacKinnon, D. P. (2007, March). *Moderators and mediators*. Invited presentation at National Cancer Institute, Washington, DC.

MacKinnon, D. P. (2007, March). *Methods to assess how interventions change behavior*. Invited workshop at Health Maintenance Consortium, Washington, DC.

MacKinnon, D. P. (2007, June). *Statistical Mediation in AIDS/HIV Prevention and Treatment*. Invited workshop at the Center for AIDS prevention research, University of California, San Francisco.

MacKinnon, D. P. (2007, July). *Introduction to Statistical Mediation*. Invited workshop at California State University, Long Beach.

MacKinnon, D. P. (2007, November). *Importance of Mediation in Behavioral Science Research*. Invited presentation at the Harvard School of Public Health, Harvard University.

MacKinnon, D. P. (2007, November). *Advances in mediation analysis: New Tests and Longitudinal Models*. Invited presentation in the Psychology Department at the University of California, Davis.

MacKinnon, D. P. (2008, June). *Statistical Mediation Analysis. Summer Institute on Longitudinal Methods*. Pennsylvania State University. State College, Pennsylvania.

MacKinnon, D. P. (2008, June). *Mediation in Alcohol Treatment Research*. Research Society on Alcoholism, Washington, DC.

- MacKinnon, D. P. (2008, June). *Mediation in Alcohol Treatment Research*. Research Society on Alcoholism, Washington, DC.
- MacKinnon, D. P. (2008, September). *Mediation Analysis*. University of Alabama Department of Biostatistics. Birmingham, Alabama.
- MacKinnon, D. P. (2008, October). *Mediation Analysis in Family Interventions*. NIMH AIDS/HIV conference on family interventions, Providence, RI.
- MacKinnon, D. P. (2009, January). *New Methods for Mediation Analysis*. Invited presentation University of Akron Institute for Health and Social Policy.
- MacKinnon, D. P. (2009, January). *Statistical Mediation Analysis*. Invited workshop at San Diego State University, San Diego, California.
- MacKinnon, D. P. (2009, March). *Statistical Mediation Analysis*. Invited presentation at the Sloan Kettering Department of Psychiatry and Behavioral Sciences, New York, New York.
- MacKinnon, D. P. (2009, April). *Mediation Analysis in Drug Prevention*. Invited presentation at Virginia Tech Department of Psychology, Blacksburg, Virginia.
- MacKinnon, D. P. (2009, May). *Mediation Analysis*. Invited presentation at Dartmouth University Department of Psychiatry.
- MacKinnon, D. P., (2009, October 30). Mediation Analysis. Invited webinar for CARMA. Virginia Commonwealth University, Richmond, Virginia.
- MacKinnon, D. P., (2010, May 29). Issues in Longitudinal Mediation Modeling. Invited paper at the Association for Psychological Science annual meeting, Boston, Massachusetts.
- MacKinnon, D. P. (2010, June 17) Mediation Analysis for the Toddler Treatment Network. Invited webinar for Autism Speaks.
- MacKinnon, D. P. (2010, July 30) Testing Theory with Mediation and Moderation Analysis. Workshop supported by NIH, NCI, and OBSSR, Madison, Wisconsin.
- MacKinnon, D. P., (2010, August 11). Introduction to statistical Mediation Analysis. Society for Multivariate Experimental Psychology Quantitative Training for Under-represented Groups, San Diego, CA.
- MacKinnon, D.P. (2010, August 24-25). Mediation Analysis. Invited workshop at the University of Tampere, Tampere, Finland.
- MacKinnon, D.P. (2010, October 27-28). Mediation Analysis, Invited workshop at Sapienze University of Rome, Orvieto, Italy.
- MacKinnon, D.P. (2010, November 4-5) Mediation Analysis, Invited workshop at the University of Rhode Island Cancer Research Institute, Kingston, RI.
- MacKinnon, D.P. (2010, November 15). New directions on mediation analysis. Invited presentation at the University of Southern California Department of Preventive Medicine, Los Angeles, California.
- MacKinnon, D.P. (2011, February). Integrating mediation and moderation in outcome studies. *International Conference on Outcome Research*. Stockholm, Sweden.
- MacKinnon, D.P. (2011, May). Developments in Mediation Analysis. Invited presentation at the University of South Carolina Psychology and Epidemiology Departments. Columbia, SC.
- MacKinnon, D.P. (2011, June 15). Structural Equation Modeling Workshop. *American Psychological Association*. Chicago, IL.

MacKinnon, D.P. (2012, March). Methods to assess confounder bias applied to an anabolic steroid prevention program. Harvard University Frontiers of Causal Inference Conference. Cambridge, Massachusetts.

MacKinnon, D.P. (2012, May). Two Day Mediation Analysis workshops at the University of Amsterdam, University of Groningen, and Free University of Amsterdam. Netherlands.

MacKinnon, D.P. (2012, June 11-12). Statistical Mediation Analysis Workshop. Methods Work, Chicago, Illinois.

MacKinnon, D. P. (2012, June) New Methods for Mechanisms of Change Research, Keynote address *Research Society on Alcoholism*, San Francisco, CA.

MacKinnon, D. P. (2012, July) Introduction to Mediation Analysis: Importance, Applications, and Examples. Symposium on Causality 2012, University of Jena, Jena, Germany.

MacKinnon, D.P. (2012, July 16-17). Mediation Analysis workshop. California State University , Long Beach, Long Beach, CA.

MacKinnon, D.P. (2012, July 19). Testing theory with mediation and moderation analysis. American Psychological Association Advanced Training Institute. Madison, Wisconsin.

MacKinnon, D. P. (2012, August) Getting from X to Y: Mediating variables in psychology. Master Lecture American Psychological Association, Orlando, Florida.

MacKinnon, D.P. (2012, October). Statistical Mediation Analysis workshop. American College of Epidemiology, Chicago, Illinois.

MacKinnon, D. P. (2012, October) Moderators, Mediators, and Mechanisms. National Institute on Health Science of Behavior Change Conference. Washington, D.C.

MacKinnon, D.P. & Valentine, M. (2013, January, 14). Mediation from Multilevel to Structural Equation Modeling. Invited presentation at the Analysis of Child Growth Trajectories workshop. Center for Advanced Studies, Ludwig Maximilians Universitat Munchen, Munich Germany.

MacKinnon, D. P. (2013, January 29) A Longitudinal Look at Longitudinal Mediation Models. Keynote presentation at the Conference on Causal Mediation Analysis, University of Ghent, Ghent, Belgium.

MacKinnon, D.P. (2013, April 19). Modern Mediation Analysis. Society for Research in Child Development. Invited presentation. Seattle, Washington.

MacKinnon, D. P. (2013, February 27). Approaches to Improving Causal Inference from Mediation Analysis. Invited Presentation, Pennsylvania State University, State College, Pennsylvania

MacKinnon, D.P. (2013, April 26). New Mediation Methods for Alcohol and Addiction Studies. Invited presentation to the Brown University Center for Alcohol and Addiction Studies, Providence, Rhode Island.

MacKinnon, D. P. (2013, June 17-18). Mediation Analysis. Workshop at the Summer Quantitative Methods Series, Portland State University, Portland, Oregon.

MacKinnon, D. P. (2013, September 23) Designs and methods for studying mediating and moderating neurobiological variables in behavior change outcome studies. National Institute on Health Science of Behavior Change Conference entitled, "Harnessing neuroplasticity for behavior change". Washington, D.C.

Teaching Experience

Arizona State University Department of Psychology
Graduate courses

Quantitative Seminar
 Statistical Methods in Prevention Research
 Advanced Experimental Design and Analysis
 Statistical Mediation Analysis”

Undergraduate courses

Introduction to Statistics
 Second Course in Statistical Methods

University of Southern California Department of Preventive Medicine Methodology segment in
 "Foundations of Health Behavior Research"

Mentoring

Dissertation, Masters, Comprehensive, and Honors student Committees: More than 120, Chair:
 approximately 35

Mentor for Peter Salem for Research Methods for Robert Wood Johnson Training Grant.
 K-Award Mentor for Patrick Malone, Associate Professor University of South Carolina
 K-Award Emily Winslow, Arizona State University

Current Consultantships

Prevention Science and Methodology Group (C. Hendricks Brown, Principal Investigator) College of
 Public Health, University of Miami (Current).

Various federally funded research projects.

Professional Service

National Institute on Alcoholism and Alcohol Abuse reviews (August 1-3, 1990; March 25, 1994; June
 7-10 1994; July 21-22, 1994, Center grant reviews, June 1995, May 1 - 2, 1997).

National Institute on Drug Abuse reviews (June 17, 1992, October 14, 1992; March 28, 1994; October 4,
 1994, June 11, 1996).

Member of the National Institute on Drug Abuse, Epidemiology and Prevention Review Committee 1996
 - 2001.

Expert Panel on Evaluating Federal Media Prevention Programming. National Institute on Alcohol Use
 and Alcoholism.

Expert Panel on Alcohol Availability and Alcohol Problems. (Birch and Davis, Inc.) Center for Substance
 Abuse Prevention.

Expert Panel on School-based Drug Prevention. (Birch and Davis, Inc.) Center for Substance Abuse
 Prevention.

Reviewer: *Academic Press, Addictions, Addictive Behaviors, American Journal of Community
 Psychology, American Journal of Public Health, American Statistician, British Journal of Mathematical
 and Statistical Psychology, Cancer Epidemiology, Biomarkers, and Prevention, Child Development,
 Developmental Psychology, Drug and Alcohol Dependence, Health Psychology, Journal of Abnormal
 Psychology, Journal of Exercise and Sport Psychology, Journal of Marketing Research, Journal of
 Nervous and Mental Diseases, Journal of Personality, Journal of Studies on Alcohol, Journal of Women's
 Health, Media Psychology, Millbank Quarterly, Multivariate Behavioral Research, Prevention Science
 (Consulting Editor, Associate Editor), Psychological Bulletin, Psychological Methods (Editorial Board),
 Psychology and Marketing, Psychology of Addictive Behaviors (Consulting Editor), Psychonomic Bulletin
 & Review, Social Science & Medicine, Statistics in Medicine, Statistical Methods in Medical Research,
 Structural Equation Modeling.*

Action Editor for special issue on subgroups analysis for the journal *Prevention Science*, 2013.

Organizer: Conference on Mediational Models in Prevention Research, March 23-24, 1998 at Arizona
 State University, Tempe, AZ.

Quantitative Area Head, Psychology Department 2006-2010, Planning and Action Committee, 2009-2010

Member: Research Awards Committee, College of Liberal Arts and Sciences, 2005-2006, Arizona State University.

Member: Committee to select Graduate Mentor Award 2009, 2010

Member: Board of Directors, Society for Prevention Research

Member: Society for Multivariate Experimental Psychology

Society Memberships:

Western Psychological Association
Arizona Human Factors Society
American Association for the Advancement of Science
American Psychological Association
American Public Health Association
American Statistical Association
Human Factors & Ergonomics Society
Psychometric Society
Sigma XI
Society for Multivariate Experimental Psychology
Society for Prevention Research