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., Cum Laude Psychology and Social Relations, 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 / Positions**

2023-Fall Visiting Professor, McCausland Fellowship, University of South Carolina

2022-Fall Visiting Professor, Lyle Jones Fellowship, University of North Carolina, Chapel Hill

2021-Present Regents Professor, Department of Psychology, Arizona State University

2010-2011 Visiting Professor, Department of Epidemiology, University of California, Los Angeles

2008-Present Foundation Professor, Department of Psychology, Arizona State University

2000-Present Professor, Department of Psychology, Arizona State University

1994-2000 Associate Professor, Department of Psychology, Arizona State University

1990-1994 Assistant Professor, Department of Psychology, Arizona State University

1986-1990 Assistant Professor of Research, Department of Preventive Medicine, Institute for Health Promotion and Disease Prevention, School of Medicine, University of Southern California

**Honors and Awards**

2022 Tanaka Award for the Most Outstanding Article in Multivariate Behavioral Research Volume 56

2021 APA Division 5 Jacob Cohen Award for Distinguished Contributions to Teaching and Mentoring

2020 Herb Eber Award from the Society for Multivariate Experimental Psychology

2019 President of the Society for Multivariate Experimental Psychology

2018 Clarivate Web of Science Highly Cited Researcher

2018 Prevention Science Award from the Society for Prevention Research

2017 President of American Psychological Association Division 5: Quantitative and Qualitative Methods

2015 National Institute on Drug Abuse Method to Extend Research in Time (MERIT) Award

2014 Thomson Reuters Highly Cited Researcher and World’s Most Influential Minds Lists

2013 Inaugural Fellow of the Society for Prevention Research

2012 Fellow of the Association for Psychological Science

2012 Master Lecture American Psychological Association

2011 Nan Tobler Award for Review of Prevention Science for 2008 book *Introduction to Statistical Mediation Analysis*

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) R37 Estimating Mediation Effects in Prevention Studies. National Institute on Drug Abuse. MERIT grant (Funded July 1, 2019–June 30, 2025, current).
2. (Co-Investigator) Parent-Child Interaction Dynamics Mediate Genetic and Prevention Effects on the Development of Adolescent Substance Use Disorders. National Institute on Drug Abuse. (Funded June 1, 2022–May 31, 2025, current) P.I.s Kathryn Lemery, Ph.D., and Jenn Tein, Ph.D.
3. (Co-sponsor with Sharlene Wolchik).K23, Enhancing behavioral parent training for parents and children affected by ADHD, P. I. Lauren Friedman. (Funded October 2023, current).
4. (Sponsor with Laurie Chassin). Advancing measurement and scoring methods for testing mediation models of substance use. F32, National Institute on Drug Abuse. P.I. Alexis Georgeson, (Funded August, 2020, current)
5. (Sponsor with Laurie Chassin). F31, Estimating the impact of out of home placement on health risk behavior in adolescents exposed to maltreatment: an advance causal inference approach. National Institute on Drug Abuse, P. I. Austin Blake, (Funded December 2021, current).
6. (Training Faculty). T32 Research Training in Drug Abuse/HIV Prevention: Closing the Research-Practice Gap. National Institute on Drug Abuse. (Funded 2021, current).
7. (Co-Investigator) Childhood obesity and Cardiometabolic health among impoverished Mexican Americans. NIH R01, P.I.s Linda Luecken, Ph.D., and Marisol Perez, Ph.D. (Funded July 2017, current).
8. (Co-Investigator and Principal Investigator of Subcontract from Dartmouth University). Applying novel technologies and methods to inform the ontology of self-regulation. National Institute on Drug Abuse, P.I. Lisa Marsch, Ph.D. (Funded September 1, 2015–August 31, 2022).
9. (Principal Investigator) Estimating Mediation Effects in Prevention Studies. National Institute on Drug Abuse. (Funded July 1, 2015- June, 2019).
10. (Co-Investigator) Emerging regulatory capacity in low-income Mexican American Children. P. I. Linda Luecken, Ph.D. (Funded April 1, 2014-2017).
11. (Co-Investigator) Promotive and protective factors for alcohol use and problems in emerging adults. NIAAA. P. I. William Corbin, Ph.D. (Funded September 9, 2013).
12. (Co-Investigator) Exploring a novel approach to clarify parenting effects on drinking outcomes. P.I. Laurie Chassin. (Funded September 9, 2013).
13. (Co-Investigator) Coregulatory predictors of postpartum depression in low-income Mexican Americans—Competing Supplement. P. I. Linda Luecken. ($1,040,000 Total Direct Costs, Funded April 1, 2011).
14. (Co-Principal Investigator and Principal Investigator of subcontract from Oregon Health Sciences University) SHIELD Health promotion program for police officers. (Funded November 1, 2010).
15. (Co-Principal Investigator and Principal Investigator of subcontract from Claremont-McKenna University) National Heart, Lung, & Blood Institute, Habitual and Neurocognitive Processes in Adolescent Obesity Prevention. (Funded September 1, 2009).
16. (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 January 1, 2006; Supplement Funded September 2009).
17. (Principal Investigator) Estimating Mediation Effects in Prevention Studies (Competing Continuation). National Institute on Drug Abuse. ($750,000 Direct Costs, Funded July 1, 2009).
18. (Co-Principal Investigator and Principal Investigator of subcontract from Oregon Health Sciences University) Investigation to Guide New Insights for Translational Effectiveness (IGNITE). National Institute of Health. Oregon Health and Science University. P.I. Diane Elliot, M.D. (Challenge grant Funded September 1, 2009).
19. (Co-Investigator) Coregulatory predictors of postpartum depression in low-income Mexican Americans. P. I. Linda Luecken, Ph.D. ($2,200,000 Total Direct Costs, Funded Jan 1, 2009).
20. (Co-Investigator) Fibromyalgia: Interventions for Pain and Mood Regulation. National Institute of Health. P.I. Mary C. Davis, Ph.D. (Funded 2008)
21. (Principal Investigator) Estimating Mediation Effects in Prevention Studies (Competing Continuation). National Institute on Drug Abuse. ($608,075 Direct Costs, Funded August 5, 2003).
22. (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).
23. (Principal Investigator) Secondary Analysis of School-Based Prevention of Adolescent Driving Under the Influence. National Institute on Alcohol Abuse and Alcoholism. ($300,000 Direct Costs, Funded March 1, 2002).
24. (Co-Investigator) Stress and Adaptation to Rheumatoid Arthritis. Proposal for NIH. P. I. Alex J. Zautra, Ph.D. ($308,677 Direct Costs. Funded June 5, 2000).
25. (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).
26. (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).
27. (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).
28. (Principal Investigator) Estimating Mediation Effects in Prevention Studies. National Institute on Drug Abuse. ($503,495 Direct Costs. Funded July 1, 1996).
29. (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).
30. (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).
31. (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).
32. (Training Faculty) Research training in child mental health/primary prevention. National Institute of Mental Health. ($110,291 Direct Costs, Funded August 1, 1990).
33. (Principal Investigator) Effects of alcohol labeling legislation on adolescents. National Institute on Alcoholism and Alcohol Abuse. ($986,908 Direct Costs, Funded March 1, 1990).
34. (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).
35. (Principal Investigator) Measurement of mediation in prevention studies. National Institute on Drug Abuse. ($49,019 Direct Costs, Funded September 1, 1990).
36. (Principal Investigator of subcontract) Parenting skills, alcohol and drug abuse prevention -Satellite. National Institute on Alcoholism and Alcohol Abuse. (Funded September, 1989–August 1990).

**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(4), 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(2), 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(2), 401-414.
4. Geiselman, R. E., Rabow, V. E., Wachtel, S. L., & MacKinnon, D. P. (1985). Strategy control in intentional forgetting. Human Learning, 4(2), 169-178.
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(2),142-144.
6. MacKinnon, D. P., Geiselman, R. E., & Woodward, J. A. (1985). The effects of effort on Stroop interference. Acta Psychologica, 58(3), 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(3), 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(12), 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(1), 69-86.
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(1), 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(1), 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(4), 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(1-2), 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(7), 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(3), 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(4), 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(2), 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(4), 447-456.
20. MacKinnon, D. P., O'Reilly, K., & Geiselman, R. E. (1990). Improving eyewitness recall for license plates. Applied Cognitive Psychology, 4(2), 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: First-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: Results of brief promotion programs. 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(Suppl. 2), 704-711.
34. MacKinnon, D. P. (1994). Comment on Stam, Murry, and Lastovicka [Letter to the Editor], Journal of the American Statistical Association, 89(426), 724.
35. MacKinnon, D. P., Nemeroff, C., & \*Nohre, L. (1994). Avoidance responses to alcohol warning labels. Journal of Applied Social Psychology, 24(8), 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), 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(4), 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(5-7), 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(6), 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(3), 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) program. Journal of the American Medical Association, 276(19), 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(7), 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(2), 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(7), 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(6), 779-784.
48. Dwyer, J. H., & MacKinnon, D. P. (1997). Outcome measurement issues in drug abuse prevention studies. Substance Use & Misuse, 32(12-13), 1667-1672.
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. G., & 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 Applied Communication Research, 25(2), 75-97.
52. \*Barr, A., & MacKinnon, D. P. (1998). Designated driving among college students. Journal of Studies on Alcohol, 59(5), 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 students’ 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(4), 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(Suppl. 1), 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(5), 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*(4), 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(3), 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*(3)*,* 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(5), 421-429.
86. MacKinnon, D. P., \*Lockwood, C. M., Brown, C. H., Wang, W., & \*Hoffman, J. M. (2007). The intermediate endpoint effect in logistic and probit regression. Clinical Trials, 4(5), 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(Suppl. 2), S118-S125.
88. Brown, C. H., Wang, W., Kellam, S. G., Muthén, B. O., Petras, H., Toyinbo, P., Poduska, J., Ialongo, N., Wyman, P. A., Chamberlain, P., Sloboda, Z., MacKinnon, D. P., Windham, A., & The Prevention Science and Methodology Group (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*(Suppl. 1), 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, *12*(8), 1182-1188. <https://doi.org/10.1017/S1368980008003649>
90. \*Fritz, M. S., & MacKinnon, D. P. (2008). A graphical representation of the mediated effect. Behavior Research Methods, *40*(1), 55-60.
91. MacKinnon, D. P., & Luecken, L. J. (2008). How and for whom? Mediation and moderation in health psychology. Health Psychology, 27(Suppl. 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*(2), 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(1), 23-51.
94. MacKinnon, D. P., & \*Fairchild, A. J. (2009). Current directions in mediation analysis. Current Directions in Psychological Science, *18*(1), 16-20.
95. \*Fairchild, A. J., & MacKinnon, D. P. (2009). A general model for testing mediation and moderation effects. Prevention Science, *10*(2), 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*(10), 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*(2), 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*(2), 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*(4), 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*(3), 457-484.
101. Yuan, Y., & MacKinnon, D. P. (2009). Bayesian Mediation Analysis. Psychological Methods, *14*(4), 301-322.
102. \*Tofighi, D., & MacKinnon, D. P., & West, S. G. (2009). A general method to derive covariances between parameter estimates in mediation models. Multivariate Behavioral Research, *44*(6), 855.
103. \*Bate, S., Stigler, M. H., Thompson, M. S., MacKinnon, D. P., Arora, M., Perry, C. L., & Reddy, K. S. (2009) A qualitative mediat ion study to evaluate a school-based tobacco prevention program in India (Project MYTRI). Field Methods, *24*(2), 194-215.
104. \*Thoemmes, F., MacKinnon, D. P., & Reiser, M. R. (2010). Power analysis for complex meditational designs using Monte Carlo methods. *Structural Equation Modeling*, *17*(3), 510-534.
105. \*Schoenfelder, E. N., Sandler, I. N., Wolchick, S., & MacKinnon, D. P. (2010). Quality of social relationships and the development of depression in parentally-bereaved youth. Journal of Youth and Adolescence, *40*(1), 85-96.
106. MacKinnon, D. P., Elliot, D. L., Thoemmes, F., Kuehl, K. S., Moe, E. L., Goldberg, L., Burrell, G. L., & Ranby, K. W. (2010). Long-term effects of a worksite health promotion program for firefighters. American Journal of Health Behavior, 34(6), 695-706.
107. Sandler, I., \*Schoenfelder, E., Wolchik, S., & MacKinnon, D. P. (2011). Long-term effects of programs that promote effective parenting: Impressive effects by uncertain processes. Annual Review of Psychology, *62*, 299-329.
108. \*Lockhart, G., MacKinnon, D. P., & \*Ohlrich, V. (2011). Mediation analysis in psychosomatic medicine research. Psychosomatic Medicine,73(1), 29-43.
109. MacKinnon, D. P., & Luecken, L. J. (2011). Statistical analysis for identifying mediating variables in public health dentistry. Journal of Public Health Dentistry, *71*(1), 537-546.
110. \*Ranby, K. W., Elliot, D. L., MacKinnon, D. P., Kuehl, K. S., Goldberg, L. (2011). The PHLAME (Promoting Health Lifestyles: Alternative Models’ Effects) firefighter study: Testing mediating mechanisms. Journal of Occupational Health Psychology, *16*(4), 501-513.
111. \*Tofighi, D., & MacKinnon, D. P. (2011). Rmediation: An R package for mediation analysis confidence limits. Behavior Research Methods, *43*(3), 692-700.
112. MacKinnon, D. P. (2011). Mediators and moderators in outcome research. Research in Social Work Practice, 21(6),675-681.
113. Jo, B., Stuart, E., MacKinnon, D. P., & Vinokur, A. (2011). The use of propensity scores in mediation analysis. *Multivariate Behavioral Research*, *46*(3), 425-452.
114. Elliot, D. L., Kuehl, K. S., Moe, E., DeFrancesco, C. A., Goldberg, L., MacKinnon, D. P., Enders, J., & Favorite, K. C. (2012). The IGNITE (investigation to guide new insight into translational effectiveness) trial: Protocol for a translational study of an evidence-based wellness program in fire departments. Implementation Science, *5*(1),Article 73.
115. \*Fritz, M. S., \*Taylor, A. B., & MacKinnon, D. P. (2012). Explanation of two anomalous results in statistical mediation analysis. *Multivariate Behavioral Research*, *47*(1), 61-87.
116. \*Taylor, A. B., & MacKinnon, D. P. (2012). Four applications of permutation methods to testing a single-mediator model. *Behavior Research Methods*, *44*(3), 806-844.
117. \*Pirlott, A. G., \*Kisbu-Sakarya, Y., DeFrancesco, C. A., Elliot, D. L., & MacKinnon, D. P. (2012). Mechanisms of motivational interviewing in health promotion: A Bayesian mediation analysis. *International journal of Behavioral Nutrition and Physical Activity*, *9*, Article 69.
118. Kuehl, K. S., \*Kisbu-Sakarya, Y., Elliot, D. L., Moe, E. L., DeFrancesco, C. A., MacKinnon, D. P., \*Lockhart, G., Goldberg, L., & Kuehl, H. E. (2012). Body mass index as a predictor of firefighter injury and workers’ compensation claims. *Journal of Occupational and Environmental Medicine*, *54*(5), 579-582.
119. MacKinnon, D. P., & \*Cox, M. G. (2012). Commentary on “Mediation Analysis and Categorical Variables: The Final Frontier” by Dawn Iacobacci. *Journal of Consumer Psychology*, *22*(4), 600-602.https://doi.org/10.1016/j.jcps.2012.03.009.
120. Elliott, D. L., MacKinnon, D. P., Mabry, L., \*Kisbu-Sakarya, Y., DeFrancesco, D. A., \*Coxe, S. J., Kuehl, K. S., Moe, E. L., Goldberg, L., & Favorite, K. C. (2012). Worksite wellness implementation: A model of translational effectiveness. *Translational Behavioral Medicine*, *2*(2), 228­-235.
121. MacKinnon, D. P., \*Coxe, S. & \*Baraldi, A. N. (2012). Guidelines for the investigation of mediating variables in business research. *Journal of Business and Psychology*, *27*(1), 1-14.
122. Guo, Q., Unger, J. B., Azen, S. P., MacKinnon, D. P., & Johnson, C. A. (2012). Do cognitive attributions predict subsequent smoking? *Addictive Behaviors*, *37*(3), 273-279.
123. Tofighi, D., West, S. G., & MacKinnon, D. P. (2013). Multilevel mediation analysis: The effects of omitted variables in the 1–1–1 model. *British Journal of Mathematical and Statistical Psychology*, *66*(2), 290-307.
124. Maric, M., Heyne, D. A., MacKinnon, D. P., van Widenfelt, B. M., & Westenberg, P. M. (2013). Cognitive mediation of cognitive-behavioral therapy outcomes for anxiety-based school refusal. *Behavioural and Cognitive Psychotherapy*, *41*(5), 549-564.
125. \*Kisbu-Sakarya, Y., MacKinnon, D. P., & Aiken, L. S. (2013). A Monte Carlo comparison study of the power of the analysis of covariance, simple difference, and residual change scores in testing two-wave data. *Educational and Psychological Measurement*, *73*(1), 47-62.
126. Mabry, L., Elliot, D. L., MacKinnon, D. P., Thoemmes, F., & Kuehl, K. S. (2013). Understanding the durability of a fire department wellness program. *American Journal of Health Behavior*, *37*(5), 693-702.
127. Enders, C. K., Fairchild, A. J., & MacKinnon, D. P. (2013). A Bayesian approach for estimating mediation effects with missing data. *Multivariate Behavioral Research*, *48*(3), 340-369.
128. Supplee, L. H., Kelly, B. C., MacKinnon, D. P., & Barofsky, M. Y. (2013). Introduction to the special issue: Subgroup analysis in prevention and intervention research. *Prevention Science*, *14*(2), 107-110.
129. Stanton, A. L., Luecken, L. J., MacKinnon, D. P., & Thompson, E. H. (2013). Mechanisms in psychological interventions for adults living with cancer: Opportunity for integration of theory, research, and practice. *Journal of Consulting and Clinical Psychology*, *81*(2), 318-355.
130. Yildrim, M., Singh, A. S., te Velde, S. J., van Stralen, M. M., MacKinnon, D. P., Brug, J., van Mechelen, W., & Chinapaw, M. J. (2013). Mediators of longitudinal changes in measures of adiposity in teenagers using parallel process latent growth modeling. *Obesity*, *21*(11), 2387-2395.
131. Grenard, J. L., Stacy, A. W., Shiffman, S., \*Baraldi, A., MacKinnon, D. P., \*Lockhart, G., & \*Kisbu-Sakarya, Y. (2013). Sweetened drink and snacking cues in adolescents: A study using ecological momentary assessment. *Appetite*, *67*,61-73.
132. Luecken, L. J., Lin, B., Coburn, S., MacKinnon, D. P., Gonzales, N., & Crnic, K. A. (2013). Prenatal stress, partner support, and infant cortisol reactivity in low-income Mexican American families. *Psychoneuroendocrinology*, *38*(12),3092-3101.
133. Kuehl, K. S., Elliot, D. L., Goldberg, L., MacKinnon, D. P., Vila, B. J., Smith, J., \*Miočević, M., \*O’Rourke, H. P., \*Valente, M. J., DeFrancesco, C., Sleigh, A., & McGinnis, W. (2014). The safety and health improvement: enhancing law enforcement departments study: feasibility and findings. *Frontiers in Public Health*, *2*, Article 38*.*
134. Yuan, Y. & MacKinnon, D. P. (2014). Robust mediation analysis based on median regression. *Psychological Methods*, *19*(1), 1-20.
135. \*Cox, M. G., \*Kisbu-Sakarya, Y., \*Miočević, M., & MacKinnon, D. P. (2014). Sensitivity plots for confounder bias in the single mediator model. *Evaluation Review*, *37*(5), 405-431.
136. MacKinnon, D. P., & \*Valente, M. J. (2014). Mediation from multilevel to structural equation modeling. *Annals of Nutrition and Metabolism*, *65*(2-3), 198-204.
137. \*Kisbu-Sakarya, Y., MacKinnon, D. P., & Miočević, M. (2014). The distribution of the product explains normal theory mediation confidence interval estimation. *Multivariate Behavioral Research*, *49*(3), 261-268.
138. \*Yeung, E. W., Aiken, L. S., MacKinnon, D. P., & Davis, M. C. (2014, abstract). [The role of social enjoyment in daily fatigue among women with Fibromyalgia](http://scholar.google.com/citations?view_op=view_citation&hl=en&user=U4SsASUAAAAJ&sortby=pubdate&citation_for_view=U4SsASUAAAAJ:hMsQuOkrut0C). *Multivariate Behavioral Research*, *49*(3), 301.
139. Ames, S. L., \*Kisbu-Sakarya, Y., Reynolds, K. D., Boyle, S., Cappelli, C., Cox, M., Dust, M., Grenard, J., MacKinnon, D. P., & Stacy, A. W. (2014). Inhibitory control effects in adolescent binge eating and consumption of sugar-sweetened beverage and snacks. Appetite, *81*, 180-192.
140. Fritz, M. S., \*Cox, M. G., & MacKinnon, D. P. (2015). Increasing Statistical Power in Mediation Models without Increasing Sample Size. *Evaluation and the Health Professions*, *38*(3), 343-366.
141. \*O’Rourke, H. P., & MacKinnon, D. P. (2015). When the test of mediation has more power than the test of the total effect. *Behavior Research Methods*, *47*(2),424-442.
142. Sette, S., Baumgartner, E., & MacKinnon, D. P. (2015). Assessing social competence and behavior problems in a sample of Italian preschoolers using the social competence and behavior evaluation scale. *Early Education and Development*, *26*(1), 46-65.
143. MacKinnon, D. P., & \*Pirlott, A. (2015). Statistical approaches to enhancing the causal interpretation of the M to Y relation in mediation analysis. *Personality and Social Psychology Review*, *19*(1), 30-43.
144. Lee, M. R., Chassin, L., & MacKinnon, D. P. (2015). Role transitions and young adult maturing out of heavy drinking: Evidence for larger effects of marriage among more severe premarriage problem drinkers. *Alcoholism: Clinical and Experimental Research*, *39*(6), 1064-1074.
145. Koning, I. M., Maric, M., MacKinnon, D. P., & Vollebergh, W. A. M. (2015). Effects of a parent-student alcohol prevention program on intermediate factors and adolescents’ drinking behavior: a sequential mediation model. *Journal of Consulting and Clinical Psychology*, *83*(4), 719-727.
146. Luecken, L. J., MacKinnon, D. P., \*Jewell, S., Gonzalez, N. (2015). Effects of prenatal factors and temperament on infant cortisol regulation in low-income Mexican American families. *Developmental Psychobiology*, *57*(8), 961-973.
147. Tofighi, D., & MacKinnon, D. P. (2016). Monte Carlo confidence intervals for complex functions of indirect effects. *Structural Equation Modeling: A Multidisciplinary Journal*, *23*(2), 194-205.
148. Luecken, L. J., Jewell, S. L., & MacKinnon, D. P. (2016). Prediction of postpartum weight in low-income Mexican-origin women from childhood experiences of abuse and conflict. *Psychosomatic Medicine*, *78*(9), 1104-1113.
149. \*Valente, M. J., \*Gonzalez, O., \*Miočević , M., & MacKinnon, D. P. (2016). A note on testing mediated effects in structural equation modeling: Reconciling past and current research on the performance of the test of joint significance. *Educational and Psychological Measurement*, *76*(6), 889-911.
150. \*Pirlott, A., & MacKinnon, D. P. (2016). Design approaches to experimental mediation. *Journal of Experimental Social Psychology*, *66*, 29-38.
151. Huang, S., MacKinnon, D. P., Perrino, T., Gallo, C., Cruden, G., & Brown, H. C. (2016). A statistical method for synthesizing mediation analyses using the product of coefficient approach across multiple trials. *Statistical Methods and Applications*, *25*(4), 565-579.
152. Fritz, M. S., Kenny, D. A., & MacKinnon, D. P. (2016). The combined effects of measurement error and omitting confounders in the single-mediator model. *Multivariate Behavioral Research*, *51*(5), 681-697.
153. Gelfand, L., \*Baraldi, A., DeRubuis, R., & MacKinnon, D. P. (2016). Considerations for mediation analysis with survival outcomes. *Frontiers in Psychology*, *7*, Article 423.
154. Ames, S. L., \*Wurpts, I., Pike, J. R., MacKinnon, D. P., Reynolds, K. D., & Stacy, A. W. (2016). Self-regulation interventions to reduce consumption of sugar-sweetened beverages in adolescents. *Appetite*, *105*, 652-662.
155. Kuehl, K. S., Elliot, D. L., MacKinnon, D. P., \*O’Rourke, H. P., DeFrancesco, C., \*Miočević , M. \*Valente, M., Sleigh, A., Garg, B., \*McGinnis, W., & \*Kuehl, H. (2016). The SHIELD (Safety & Health Improvement: Enhancing Law Enforcement Departments) study: Mixed methods longitudinal findings. *Journal of Occupational and Environmental Medicine*, *58*(5), 492-498.
156. Elliot, D. L., Goldberg, L., MacKinnon, D. P., Ranby, K. W., Kuehl, K. S., & Moe, E. L. (2016). Empiric validation of a process for behavior change. *Translational Behavior Medicine*, *6*(3), 449-456.
157. \*Olivera-Aguilar, M., \*Kisbu-Sakarya, Y., \*Gonzalez, O., Rikoon, S., & MacKinnon, D. P. (2017). Bias, type I error rates, and statistical power of a latent mediation model in the presence of violations of invariance. *Educational and Psychological Measurement*, *78*(3), 1-22. https://doi.org/10.1177/0013164416684169
158. \*Valente, M. J., & MacKinnon, D. P. (2017). Comparing models of change to estimate the mediated effect in the pretest-posttest control group design. *Structural Equation Modeling: A Multidisciplinary Journal*, *24*(3), 428-450.
159. Luecken, L. J., \* Jewell, S. L., & MacKinnon, D. P. (2017). Maternal acculturation and the growth of impoverished Mexican American infants. *Obesity*, *25*(2),445-451*.*
160. \*Miočević, M., MacKinnon, D. P., & Levy, R. (2017). Power in Bayesian mediation analysis for small sample research. *Structural Equation Modeling*, *24*(5), 666-683.
161. \*Jewell, S. L., \*Letham-Hamlett, K., \*Ibraham, M. H., Luecken, L. J., & MacKinnon, D. P. (2017). Family support and family negativity as mediators of the relation between acculturation and postpartum weight in low-income Mexican-origin women. *Annals of Behavioral Medicine*, *51*(6), 856-867.
162. \*Miočević, M., \*Gonzalez, O., \*Valente, M. J., & MacKinnon, D. P. (2017). A tutorial in Bayesian potential outcomes mediation analysis. *Structural Equation Modeling: A Multidisciplinary Journal, 25*(1), 121-136. https://doi.org/10.1080/10705511.2017.1342541
163. \*Valente, M. J., \*Pelham, W., \*Smyth, H., & MacKinnon, D. P. (2017). Confounding in statistical mediation analysis: What it is and how to address it. *Journal of Counseling Psychology*, *64*(6), 659-671.
164. Goldsmith, K., MacKinnon, D. P., Chalder, T., White, P. D., Sharpe, M., & Pickles, A. (2018). Tutorial: The practical application of longitudinal mediation models. *Psychological Methods*, *23(*2*)*, 191-207. https://doi.org/10.1037/met0000154
165. \*O’Rourke, H. P., & MacKinnon, D. P. (2018). Reasons for testing mediation in the absence of an intervention effect: A research imperative in prevention and intervention research. *Journal of Studies on Alcohol and Drugs*, *79*(2), 171-181. https://doi.org/10.15288/jsad.2018.79.171
166. MacKinnon, D. P., \*Valente, M. J., & \*Wurpts, I. C. (2018). Benchmark validation of statistical mediation analysis: Application to imagery and memory theory. *Psychological Methods*, *23*(4), 654-671.http://dx.doi.org/10.1037/met0000174
167. Eisenberg, I. W., Bissett, P. G., Canning, J. R., Dallery, J., Enkavi, A. Z., Gabrieli, S. W., \*Gonzalez, O., …, & Poldrack, R. A. (2018). Applying novel technologies and methods to inform the ontology of self-regulation. *Behavior Research and Therapy*, *101*, 46-57.
168. \*Gonzalez, O., & MacKinnon, D. P. (2018). A bifactor approach to model multifaceted constructs in statistical mediation analysis. *Educational and Psychological Measurement*, *78*(1), 5-31. https://doi.org/10.1177/0013164416673689
169. \*Miočević, M.\*, \*O’Rourke, H. P.\*, MacKinnon, D. P., & Brown, H. C. (2018). Statistical properties of four effect size measures for mediation models. *Behavior Research Methods*, *50*(1), 285-301.
170. Tofighi, D., Hsiao, Y.-Y., Kruger, E., MacKinnon, D. P., Van Horn, M. L., & Witkiewitz, K. (2018). Sensitivity analysis of the no-omitted confounder assumption in latent growth curve mediation models. *Structural Equation Modeling: A Multidisciplinary Journal*, *26*(1), 94-109.
171. \*Gonzalez, O., Canning, J. R., Smyth, H., & MacKinnon, D. P. (2019). A psychometric evaluation of the short grit scale: A closer look at its factor structure and scale functioning. *European Journal of Psychological Assessment*, *36*(4), 646-657.
172. \*Pelham III, W. E., \*Gonzalez, O., Metcalf, S. A., Whicker, C. L., Scherer, E. A., Witkiewitz, K., Marsch, L. A., Mackinnon, D. P.(2019)*.* Item response theory analysis of the Five Facet Mindfulness Questionnaire and its short forms. *Mindfulness*, *10*(8), 1615-1628. https://doi.org/10.1007/s12671-019-01105-x
173. Enkavi, A., Eisenberg, I., Bissett, P., Mazza, G. L., MacKinnon, D. P., Marsch, L., & Poldrack, R. A. (2019). Large-scale analysis of test-retest reliabilities of self-regulation measures. *Proceedings of the National Academy of Sciences of the United States of America*, *116*(12), 5472-5477.
174. \*Valente, M. J., MacKinnon, D. P., & \*Mazza, G. L. (2019). A viable alternative when propensity scores fail: Evaluation of inverse propensity weighting and sequential G-estimation in a two-wave mediation model. *Multivariate Behavioral Research*, *55*(2), 165-187
175. Eisenberg, I., Bissett, P., Enkai, A. Z., Li, J., MacKinnon, D. P., Marsch, L., & Poldrack, R. A. (2019). Uncovering the structure of self-regulation through data-driven ontology discovery. *Nature Communications*, *10*(1),Article 2319.
176. Singla, D. R., MacKinnon, D. P., Fuhr, D. C., Sikander, S., Rahman, A., & Patel, V. (2019). Multiple mediation analysis of the peer delivered Thinking Healthy Programme for perinatal depression: Findings from two parallel, randomized controlled trials*. British Journal of Psychiatry*, *218*(3),143-150.
177. \*Pelham III, W. E., \*Gonzalez, O., Metcalf, S. A., Whicker, C. L., Witkiewitz, K. A., Marsch, L. A., & Mackinnon, D. P. (2019). Evaluating the factor structure of each facet of the Five Facet Mindfulness Questionnaire. *Mindfulness*,*10*(12),2629-2646. https://doi.org/10.1007/s12671-019-01235-2
178. MacKinnon, D. P., \*Valente, M. J., & \*Gonzalez, O. J. (2020). The correspondence between causal and traditional mediation analysis: The link is the mediator by treatment interaction. *Prevention Science*, *21*(2), 147-157.
179. \*Manapat, P. D., Edwards, M. C., MacKinnon, D. P., Poldrack, R. A., & Marsh, L. A. (2019). A psychometric analysis of the brief self-control scale. *Assessment*, *28*(2), 395-412.https://doi.org/10.1177/1073191119890021
180. \*Miočević, M., Levy, R. & MacKinnon, D. P. (2020). Different roles of prior distributions in the single mediator model with latent variables. *Multivariate Behavioral Research*, *56*(1), 20-40. https://doi.org/10.1080/00273171.2019.1709405
181. \*Gonzalez, O., MacKinnon, D. P., & \*Muniz, F. B. (2020). Extrinsic convergent validity evidence to prevent jingle and jangle fallacies. *Multivariate Behavioral Research*, *56*(1), 3-19. https://doi.org/10.1080/00273171.2019.1707061

Tanaka Award winner for the most outstanding paper in *Multivariate Behavioral Research* volume 56.

1. Hsiao, Y.-Y., Tofighi, D., Kruger, E. S., Van Horn, M. L., MacKinnon, D. P., & Witkiewitz, K. (2020). The (lack of) replication of self-reported mindfulness as a mechanism of change in mindfulness-based relapse prevention for substance use disorders. *Mindfulness*, *10*(4), 724-736.
2. \*Gonzalez, O., & MacKinnon, D. P. (2020). The measurement of the mediator and its influence on statistical mediation conclusions. *Psychological Methods*, *26*(1), 1-17. https://doi.org/10.1037/met0000263
3. \*Mazza, G. L., \*Smyth, H. L., Bissett, P. G., \*Canning, J. R., Eisenberg, I. W., Enkavi, A. Z., \*Gonzalez, O., Kim, S. J., Metcalf, S. A., \*Muniz, F., Onken, L., \*Pelham III, W. E., Scherer, E. A., Stoeckel, L. E., \*Valente, M. J., Xie, H., Poldrack, R. A., Marsch, L. A., & Mackinnon, D. P. (2020). Correlation database of 60 cross-disciplinary surveys and cognitive tasks assessing self-regulation. *Journal of Personality Assessment*, *103*(2), 238-245.
4. Hsiao, Y., Kruger, E. S., Van Horn, M. L., Tofighi, D., MacKinnon, D. P., Witkiewitz, K. (2020). Latent class mediation: A comparison of six approaches. *Multivariate Behavioral Research*, *56*(4), 543-557.
5. \*Smyth, H. L., & MacKinnon, D. P. (2020). Statistical evaluation of person-oriented mediation using configural frequency analysis. *Integrative Psychological and Behavioral Science*, *55*(3), 593-636. https://doi.org/10.1007/s12124-020-09519-2
6. Valente, M. J., Rijnhart, J. J. M, \*Smyth, H., \*Muniz, F. B., & MacKinnon, D. P. (2020). Causal mediation programs in R, Mplus, SAS, SPSS, and STATA. *Structural Equation Modeling: A Multidisciplinary Journal*, *27*(6), 975-984. https://doi.org/10.1080/10705511.2020.1777133
7. Kisbu-Sakarya, Y., MacKinnon, D. P., & \*Valente, M. J., Çetinkaya, E. (2020). Causal mediation analysis in the presence of post-treatment confounding variables: A Monte Carlo simulation study. *Frontiers in Psychology*, *11*, Article 2067. https://doi.org/10.3389/fpsyg.2020.02067
8. \*Rijnhart, J. M., \*Valente, M. J., & MacKinnon, D. P., Twisk, J. W. R., & Heymans, M. W. (2020). The use of traditional and causal estimators for mediation models with a binary outcome and exposure mediator interaction. *Structural Equation Modeling*, *28*(3), 345-355. https://doi.org/10.1080/10705511.2020.1811709
9. Cano, M. A, Schwartz, S. J., MacKinnon, D. P., ... & de Dios, M. A (2020). Exposure to ethnic discrimination in social media and symptoms of anxiety and depression among Hispanic emerging adults: Examining the moderating role of gender. *Journal of Clinical Psychology*, *77*(3), 571-586. https://doi.org/10.1002/jclp.23050
10. \*Smyth, H. L, Pitpitan, E. V., MacKinnon, D. P., & Booth, R. E. (2021). Assessing potential outcomes mediation in HIV interventions. *AIDS and Behavior*, *25*(8), 2441-2454. https://doi.org/10.1007/s10461-021-03207-x
11. O’Rourke, H. P., Fine, K. L., Grimm, K. J., & MacKinnon, D. P. (2021). The importance of time metric precision when implementing bivariate latent change score models. *Multivariate Behavioral Research*, *57*(4), 561-580. https://doi.org/10.1080/00273171.2021.1874261
12. McNeish, D., MacKinnon, D. P., Marsch, L. A., & Poldrack, R. A. (2021). Measurement in intensive longitudinal data. *Structural Equation Modeling*, *28*(5), 807-822. https://doi.org/10.1080/10705511.2021.1915788
13. Pipitan, E. V., MacKinnon, D. P., Eaton, L. A., Smith, L. R., Wagman, J., & Patterson, T. L. (2021). Using novel approaches to evaluate behavioral interventions: overlooked significant HIV prevention effects in the HPTN 015 Project EXPLORE. *Journal of Acquired Immune Deficiency Syndromes*, *87*(5), 1128-1135. https://doi.org/10.1097/QAI.0000000000002711
14. MacKinnon, D. P., & \*Lamp, S. J. (2021). A unification of mediator, confounder, and collider effects. *Prevention Science*, *22*(8), 1185-1193. https://doi.org/10.1007/s11121-021-01268-x
15. \*Rijnhart, J. M., \*Valente, M. J., \*Smyth, H., & MacKinnon, D. P. (2021). Statistical mediation analysis for models with a binary mediator and binary outcome: The differences between causal and traditional mediation analysis. *Prevention Science*, *24*(3), 408-418.
16. Lee, H., Cashin, A. G, Lamb, S. E, Hopewell, S., Vansteelandt, S., VanderWeele, T. J., MacKinnon, D. P., Collins, G., Golub, R., McAuley, J., & the AGReMA Group. (2021). A guideline for reporting mediation analyses of randomized trials and observational studies: The AGReMA Statement. *Journal of the American Medical Association*, *326*(11), 1045-1056. https://doi.org/10.1001/jama.2021.14075
17. \*Van Liew, C., \*Monaghan, A., Dibble, L. E., Foreman, K. B., MacKinnon, D. P., & Peterson, D. S. (2021). Perturbation practice in multiple sclerosis: assessing generalization from support surface translations to tether-release tasks*. Multiple Sclerosis and Related Disorders*, *56*, Article 103218.<https://doi.org/10.1016/j.msard.2021.103218>
18. \*Rijnhart, J. J., \*Lamp, S. J., Valente, M. J., MacKinnon, D. P., Twisk, J. W., & Heymans, M. W. (2021). Mediation analysis methods used in observational research: a scoping review and recommendations. *BMC Medical Research Methodology*, *21*, Article 226. https://doi.org/10.1186/s12874-021-01426-3
19. Wurpts, I. C., Miočević, M., & MacKinnon, D. P. (2022). Sequential Bayesian data synthesis for mediation and regression analysis*. Prevention Science*, *23*(3), 378-389.
20. MacKinnon, D. P., \*Smyth, H. L., \*Somers, J., Ho, E., Norget, J., & Miočević, M. (2022). A randomization permutation mediation test for single subject mediation. *Evaluation & the Health Professions*, *45*(1), 54-65. https://doi.org/10.1177/01632787211070811
21. \*Waddell, J. T., Corbin, W. R., MacKinnon, D. M., Leeman, R. H., DeMartini, K. S., Fucito, L., Kranzler, H., & O’Malley, S. S. (2022). Within-and between-person effects of Naltrexone on subjective response to alcohol and craving: A daily diary investigation. *Alcoholism: Clinical and Experimental Research*, *46*(3), 477-491.
22. Kruger, E., Tofighi, D., Hsiao, Y.-Y., MacKinnon, D. P., Van Horn, M. L., & Witikiewitz, K. (2022). Teacher’s Corner: An R Shiny app for sensitivity analysis for latent growth mediation. *Structural Equation Modeling: A Multidisciplinary Journal*, *29*(6), 944-952.
23. Scherer, E. A., Kim, S. J., Metcalf, S. A., Sweeney, M. A., Wu, J., Xie, H., Mazza, G. L., Valente, M. J., MacKinnon, D. P., & Marsch, L. A. (2022). Momentary self-regulation: Scale development and preliminary validation. *JMIR Mental Health*, *9*(5), Article e35273. https://doi.org/10.2196/35273
24. Scherer, D., Metcalf, S. A., Whicker, C. L., Bartels, S. M., Grabinski, M., Kim, S. J., Sweeney, M. A., Lemley, S. M., Lavoie, H., Xie, H., Bissett, P. G., Dallery, J., Kiernan, M., Lowe, M. R., Onken, L., Prochaska, J., Stoeckel, L., Poldrack, R. A., MacKinnon, D. P., & Marsch, L. A. (2022). Momentary influences on self-regulation in two populations with health risk behaviors: Adults who smoke and adults who are overweight and have binge-eating disorder. *Frontiers in Digital Health*, *4*, Article 798895. https://doi.org/10.3389/fdgth.2022.798895
25. McNeish, D., & MacKinnon, D. P. (2022). Intensive longitudinal mediation in Mplus. *Psychological Methods*. Advance online publication. https://doi.org/10.1037/met0000536
26. Vo, T. T., Cashin, A. G., Superchi, C., Tu, P. H. T., Nguyen, T. B., Boutron, I., MacKinnon, D. P., VanderWeele, T., Lee, H., & Vansteelandt, S. (2022). Quality assessment practice in systematic reviews of mediation studies: Results from an overview of systematic reviews. *Journal of Clinical Epidemiology*, *143*, 137-148. https://doi.org/10.1016/j.jclinepi.2021.12.013
27. \*Moon, J. W., Cohen, A. B., Laurin, K., & MacKinnon, D. P. (2023). Is religion special? *Perspectives on Psychological Science*, *18*(2), 340-357. https://doi.org/10.1177/17456916221100485
28. \*Blake, A. J., MacKinnon, D. P., \*Waddell, J. T., & Chassin, L. (2023). Parent-child separation and intergenerational transmission of substance use and disorder: Testing across three generations. *Development and Psychopathology*, *36*(1), 28-39. https://doi.org/10.1017/S0954579422000876
29. \*Georgeson, A., \*Alvarez-Bartolo, D., & MacKinnon, D. P. (2023). Sensitivity to temporal bias in mediation analysis*. Psychological Methods*. Advance online publication. https://doi.org/10.1037/met0000628
30. \*Alvarez-Bartolo, D., & MacKinnon, D. P. (2024). Alternative approaches to estimate causal mediated effects in the single-mediator model. *Multivariate Behavioral Research*. Advance online publication. https://doi.org/10.1080/00273171.2024.2310395
31. \*Lamp, S. J., & MacKinnon, D. P. (2024). Correcting for collider effects and selection bias in psychological research. *Psychological Methods*.
32. \*Lamp, S. J., & MacKinnon, D. P. (2024). Correcting regression coefficients for collider bias in psychological research. *Multivariate Behavioral Research*. Advance online publication. https://doi.org/10.1080/00273171.2024.2310418
33. Brincks, A. M., MacKinnon, D. P., Gustafson, D. H., & McKay, J. R. (in press). Using causal mediation to examine self-efficacy as a mechanism through which continuing care interventions reduce alcohol use. *Psychology of Addictive Behaviors*.

**Submitted Manuscripts**

1. \*Rijnhart, J. M., \*Valente, M. J., & MacKinnon, D. P. (2023, submitted). Collapsibility in mediation analysis.
2. Alvarez-Bartolo, D., Lamp, S., & MacKinnon, D. P. (2023, submitted). The distorting effect of selection bias in treatment mediation studies.
3. \*Muniz, F., & MacKinnon, D. P. (2023, submitted). A comparison of four tests for suppression.
4. \*Smyth, H., \*Alvarez-Bartolo, D., \*Cruz, A., \*Savord, A., Brinks, A., & MacKinnon, D. P. (2023, under revision). Potential outcomes estimators for experimental mediation designs with two or more groups.

**Books**

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

**Selected Chapters and Republications**

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 (pp.125-143). 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 (pp. 183-194). U.S. Department of Health and Human Services, National Institute on Drug Abuse, Research Monograph 107. Washington, DC: U.S. Government Printing Office.
4. 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 (pp. 1228-1231). Reprinted in total in SAS Macro facility tips and techniques, Version 6 (1st ed.).
5. MacKinnon, D. P., Dwyer, J. H., & Arminger, G. (1992). DIFFLONG: A program to calculate the parameters of differential equation models for longitudinal data. Appendix in J. H. Dwyer, M. Feinleib, P. Lippert, & H. Hoffmeister (Eds.), Statistical models for longitudinal studies of health (pp. 96-97). New York: Oxford University Press.
6. MacKinnon, D. P., Stacy, A. W., \*Nohre, L., & Geiselman, E. (1992). Effects of processing depth on memory for the alcohol warning label. In K. R. Laughery, M. S. Wogalter, & S. Young (Eds.), Proceedings of the Human Factors Society Annual Meeting (Vol. 36, No. 5, pp. 538-542). Reprinted in total in 1994 in Human factors perspectives on warnings. Santa Monica, CA: Human Factors and Ergonomics Society.
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.
8. MacKinnon, D. P. (1995). Review of the effects of alcohol warning label. In R. Watson (Ed.), Alcohol and drug abuse reviews (Vol. 7, pp. 131-160). Totawa, NJ: Humana Press.
9. Graham, J. W., Hofer, S. M., Donaldson, S. I., MacKinnon, D. P., & Schafer, J. L. (1997). Analysis with missing data in prevention research. In K. J. Bryant, M. Windle, & S. G. West (Eds.), The science of prevention: Methodological advances from alcohol and substance abuse research (pp. 325-365). Washington, DC: American Psychological Association.
10. Sandler, I., Wolchik, S. A., MacKinnon, D. P., Ayers, T. S., & Roosa, M. W. (1997). Developing linkages between theory and intervention in stress and coping processes. In S. A. Wolchik & I. N. Sandler (Eds.), Handbook of children’s coping: Linking theory and intervention (pp. 3-40). New York: Plenum Press.
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.
12. MacKinnon, D. P. & \*Nohre, L. (2000). Effects of the United States alcohol warning label on adolescents. In M. S. Wogalter, S. L. Young, & K. R. Laughery (Eds.), Human factors perspectives on warnings (Vol. 2, pp. 4.806-4.809). Santa Monica, CA: Human Factors and Ergonomics Society.
13. MacKinnon, D. P. (2001). Commentary on Donaldson, Mediator and moderator analysis in program development. In S. Sussman (Ed.), Handbook of program development for health behavior research and practice (pp. 497-500). Thousand Oaks, CA: Sage.
14. MacKinnon, D. P. (2001). Mediating variable. In N. J. Smelser & P. B. Baltes (Eds.) International encyclopedia of the social and behavioral sciences (pp. 9503-9507). Oxford, U.K: Pergamon.
15. \*Cheong, J., MacKinnon, D. P., & Khoo, S. T. (2001). A latent growth modeling approach to mediation analysis. In L. M. Collins & A. Sayer (Eds.), New methods for the analysis of change (pp. 390-392). Washington, DC: American Psychological Association.
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.
18. Tein, J.-Y., & MacKinnon, D. P. (2003) Estimating mediated effects with survival data. In H. Yanai, A. O. Rikkyo, K. Shigemasu, Y. Kano, & J. J. Meulman (Eds.), New developments in psychometrics: Psychometric Society proceedings (pp. 405-412). Tokyo: Springer-Verlag.
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.
21. Cheong, J. & MacKinnon, D. P. (2012). Mediation/Indirect effects in structural equation modeling. In R. H. Hoyle (Ed.), *Handbook of structural equation modeling* (pp. 417-435). New York: Guilford.
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. [MacKinnon, D. P.](http://psycnet.apa.org/index.cfm?fa=search.searchResults&latSearchType=a&term=MacKinnon,%20David%20P.), [Cheong,](http://psycnet.apa.org/index.cfm?fa=search.searchResults&latSearchType=a&term=Cheong,%20JeeWon) J., & [Pirlott, A. G.](http://psycnet.apa.org/index.cfm?fa=search.searchResults&latSearchType=a&term=Pirlott,%20Angela%20G.) (2012). Statistical Mediation Analysis. In H. Cooper, P. M. Camic, D. L. Long, A. T. Panter, D. Rindskopf, & K. J. Sher (Eds.), *APA handbook of research methods in psychology* (Vol. 2, pp. 313-331). Washington, DC: American Psychological Association.
24. 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.
25. MacKinnon, D. P., \*Lockhart, G., \*Baraldi, A., & Gelfand, L. (2013). Evaluating treatment mediators and moderators. In J. S. Comer. & P. C. Kendall (Eds.), *The Oxford handbook of research strategies for clinical psychology* (pp. 262-286)*.* New York: Oxford University Press.
26. 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, No. 2, pp. 338-360). New York: Oxford University Press.
27. MacKinnon, D. P., & Tofighi, D. (2013). Statistical mediation analysis. In J. A. Schinka & W. F. Velicer (Eds.), *Handbook of psychology* (2nd ed., Vol. 2, pp. 717-736). Hoboken, NJ: Wiley.
28. Fairchild, A. J., & MacKinnon, D. P. (2014). Using mediation and moderation analyses to enhance prevention research. In Z. Sloboda & H. Petras (Eds.), *Advances in Prevention Science* (Vol. 1, pp. 537-555). New York, NY: Springer. https://doi.org/10.1007/978-1-4899-7424-2\_23
29. \*Kisbu-Sakarya, Y., MacKinnon, D. P., & \*O’Rourke, H. P. (2015). Statistical models of mediation for drug program evaluation. In L. M. Scheier (Ed.), *Handbook of adolescent drug use prevention: Research, intervention strategies, and practice* (pp. 459-478). Washington, DC: American Psychological Association.
30. Prins, P. J. M., Ollendick, T. H., Maric, M., & MacKinnon, D. P. (2015). Moderators and mediators in treatment outcome studies of childhood disorders: The what, why and how. In M. Maric, P. J. M. Prins, & T. H. Ollendick (Eds.), *Moderators and mediators of youth treatment outcomes* (pp. 1-19). New York, NY: Oxford University Press.
31. \*Baraldi, A. N., \*Wurpts, I. C., MacKinnon, D. P., & Lockhart, G. (2015). Evaluating mechanisms of behavior change to inform and evaluate technology-based interventions. In L. A. Marsch, S. E. Lord, & J. Dallery (Eds.), *Behavioral healthcare and technology: Using science-based innovations to transform practice* (pp. 187-199). New York, NY: Oxford University Press.
32. MacKinnon, D. P. (2015). Mediation analysis. In R. L. Cautin & S. O. Lilienfeld (Eds.), *The encyclopedia of clinical psychology.* New York, NY: Wiley. https://doi.org/10.1002/9781118625392.wbecp314.
33. Krull, J. L., Cheong, J., Fritz, M. S., & MacKinnon, D. P. (2016). Moderation and mediation in interindividual longitudinal analysis. In D. Cicchetti (Ed.), *Developmental psychopathology: Theory and method* (3rd ed., Vol. 1, pp. 922-985). New York, NY: Wiley.
34. Coffman, D. L., MacKinnon, D. P., Zhu, Y., & Ghosh, D. (2016). A comparison of potential outcomes approaches for assessing causal mediation. In H. He, P. Wu, & D.-G. Chen (Eds.), *Statistical causal inferences and their applications in public health research* (pp. 263-293). Cham: Springer.
35. \*O’Rourke, H. P., & MacKinnon, D. P. (2019). The importance of mediation analysis in substance use prevention. In Z. Sloboda, E. Robertson, H. Petras, & R. Hingson (Eds.), *Prevention of substance use* (4th ed., pp. 233-246). Cham: Springer.
36. [MacKinnon, D. P.](http://psycnet.apa.org/index.cfm?fa=search.searchResults&latSearchType=a&term=MacKinnon,%20David%20P.), [Cheong,](http://psycnet.apa.org/index.cfm?fa=search.searchResults&latSearchType=a&term=Cheong,%20JeeWon) J., [Pirlott, A. G.](http://psycnet.apa.org/index.cfm?fa=search.searchResults&latSearchType=a&term=Pirlott,%20Angela%20G.), & \*Smyth, H. (2023). Statistical mediation analysis in psychological research. In H. Cooper, M. N. Coutanche, L. M. McMullen, A. T. Panter, D. Rindskopf, & K. J. Sher (Eds.), *APA handbook of research methods in psychology: Research designs: Quantitative, qualitative, neuropsychological, and biological* (2nd ed., pp. 435-458). Washington, DC: American Psychological Association. https://doi.org/10.1037/0000319-020
37. Gonzalez, O., Valente, M. J., Cheong, J., & MacKinnon, D. P. (2023). Mediation/indirect effects in structural equation modeling. In R. H. Hoyle (Ed.), *Handbook of structural equation modeling* (2nd ed., pp. 409-426). New York: Guilford.
38. Lamp, S. J., Alvarez-Bartolo, D., Luecken, L. J., & MacKinnon, D. P. (2023). Methods for studying mediating mechanisms in developmental and intervention studies of child maltreatment. In C. E. Shenk (Ed.), *Innovative methods in child maltreatment research and practice* (pp. 85-105)*.* Cham: Springer. https://doi.org/10.1007/978-3-031-33739-0\_5

**Other Publications**

1. Corker, K., MacKinnon, D. P., Guokas, J., & Lyman, J. (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 (pp. 106-109).
3. MacKinnon, D. P., Tanie, K., & Lyman, J. (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 (Vol. 28, No. 3, pp. 215-219). Sage CA: Los Angeles, CA: SAGE Publications.
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 (Vol. 88, p. 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 (pp. 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 (pp. 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 (pp. 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 Annual Meeting (Vol. 36, No. 5, pp. 538-542). Los Angeles, CA: SAGE Publications.
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 (pp. 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. *Proceedings of the SAS Global Forum*, Paper 271-2010*.*
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](http://scholar.google.com/citations?view_op=view_citation&hl=en&user=U4SsASUAAAAJ&sortby=pubdate&citation_for_view=U4SsASUAAAAJ:-_dYPAW6P2MC). *Gut*, *62*(Suppl. 1), A141.
17. Miočević, M., & MacKinnon, D. P. (2014). SAS® for Bayesian mediation analysis. In *Proceedings of the SAS Global Forum 2014 Conference* (pp. 1569-2014). Cary NC: SAS Institute Inc.
18. Valente, M. J., & MacKinnon, D. P. (2017). SAS® Macros for computing the mediated effect in the pretest-posttest control group design. In *Proceedings of the SAS Global Forum 2017 Conference* (pp. 1005). Cary NC: SAS Institute Inc.
19. MacKinnon, D. P., & \*Valente, M. J. (2018). Mediation analysis. In D. S. Dunn (Ed.), *Oxford bibliographies in psychology*. New York: Oxford University Press.
20. \*Miočević, M. & MacKinnon, D. P. (2018). Mediation Analysis. *In The SAGE encyclopedia of educational research, measurement, and evaluation*. Thousand Oaks, CA: SAGE Publications.
21. \*Wurpts, I. C., & MacKinnon, D. P. (2018). Prevention programs. In M. Bornstein, M. E. Arterberry, K. L. Fingerman, J. E. Lansford (Eds.), *The* *SAGE Encyclopedia of Lifespan Human Development*.
22. \*Gonzalez, O., & MacKinnon, D. P. (2018). Statistical mediation in lifespan development analyses. In *Oxford encyclopedia of psychology and aging*. https://doi.org/10.1093/acrefore/9780190236557.013.358

**Computer Programs**

1. MacKinnon, D. P., (1986, Copyrighted). PLATEFINDER: An interactive program to aid in the recall of license plates [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).
5. Miočević, M., & MacKinnon, D. P. (2014). SAS® for Bayesian mediation analysis. In *Proceedings of the SAS Global Forum 2014 Conference* (pp. 1569-2014). Cary NC: SAS Institute Inc. Application of existing software.
6. Tofighi, D., & MacKinnon, D. P. (2016). Package ‘RMediation’. A package in R1.1.4 to compute mediation analysis confidence intervals.
7. \*Valente, M. J., & MacKinnon, D. P. (2017). SAS® Macros for computing the mediated effect in the Pretest-posttest control group design. *Proceedings of the SAS Global Forum 2017 Conference*, 1005. Cary, NC: SAS Institute, Inc.
8. \*Valente, M. J., & MacKinnon, D. P. (2018). SAS® Macros for computing causal mediated effects in Two and Three-wave longitudinal models. *Proceedings of the SAS Global Forum 2017 Conference*, 1005. Cary, NC: SAS Institute, Inc.

**Invited Presentations & Workshops**

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. & 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. 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, 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 at 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., Cox, M. G., Miočević, M., & Kisbu-Sakarya, Y. (2012, March). Methods to assess confounder bias applied to an anabolic steroid prevention program. Harvard University Frontiers in Causal Inference Conference, Cambridge, MA.

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

MacKinnon, D.P. & Valente, 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.

MacKinnon, D. P. (2013, May). Mediation and moderation analysis in synthesis projects. Part of workshop entitled, “Synthesis across multiple, long-term outcomes of prevention interventions delivered early in life among lesbian, gay, and transgendered Youth.” Society for Prevention Research Pre-Conference, San Francisco, CA.

MacKinnon, D. P. (2014, February). Current issues in mediation. Presentation at workshop entitled, “Dynamic mediation in family and peer relationships.” Arizona State University, Tempe, AZ.

MacKinnon, D. P. (2014, July). Does mediation analysis yield correct answers for an established mediating process? Invited Lecture at London School of Hygiene & Tropical Medicine Centre for Statistical Methodology, London, England.

MacKinnon, D. P. (2014, June). Modern mediation analysis applied to imagery and human memory. Invited lecture at King’s College, London, England.

MacKinnon, D. P., with De Stavola, B., Russo, F., Pickles, A., & Keele, L. (2014, July). Modern mediation analysis methods in the social sciences. Workshop at St. Catherine’s College Oxford University, Oxford, England.

MacKinnon, D. P., with Landau, S., Emsley, R., Goldsmith, K., & Zhang, A. (2014, June). Modern mediation analysis in clinical trials. Workshop at King’s College, London, England.

MacKinnon, D. P. (2015, April). Modern mediation analysis: Introduction to controversies and solutions. Invited lecture at Georgetown University, Washington, DC.

MacKinnon, D. P. (2015, May). Controversies in modern mediation analysis. Invited lecture at Dartmouth University, Hanover, New Hampshire.

MacKinnon, D. P., & Kisbu-Sakarya, Y. Mediation analysis. Workshop at the 2015 meeting of the Society for Prevention Research, Washington, D.C.

MacKinnon, D. P. (2015, July 30-31). Introduction to Mediation Analysis and Advanced Mediation Analysis Workshops, UCLA Center for Advancing Longitudinal Research, Marina del Rey, California.

MacKinnon, D.P. (2015, September 28) Webinar: Introduction to Mediation with Application to Implementation Research. National Institute of Health.

MacKinnon, D. P. (2015, September 26). Three benefits of causal analysis for investigating mediating mechanisms in experimental social psychology. Invited paper at the Society of Experimental Social Psychology, Denver, CO.

MacKinnon, D. P. (2016, April). Applying mediation analysis to understand how interventions work. Webinar for the Office of Disease Prevention Mind the Gap Seminar Series.

MacKinnon, D. P. (2016, November). Benchmark validation applied to statistical mediation analysis. Vanderbilt University.

MacKinnon, D. P., \*Matt Valente, \*Oscar Gonzalez, \*Gina Mazza, & \* Holly O’Rourke (2017, May). Modern mediation analysis, Workshop at Society for Prevention Research conference, Washington DC.

MacKinnon, D. P. (2017, October). Overview of modern mediation analysis. Invited presentation at Utah State University, Logan, Utah.

MacKinnon, D. P. (2018, April). Mediation in home visitation research. Invited presentation at Erikson Institute for Developmental Psychology.

MacKinnon, D. P. (2018, April). Two talks: Benchmark validation of statistical methods and Overview of modern mediation analysis. Invited presentation at University of Notre Dame.

MacKinnon, D. P., \*Matt Valente, \*Milica Miočević, & Oscar Gonzalez (2018, May). Bayesian Casual Mediation Analysis, Workshop at Society for Prevention Research conference, Washington DC.

Mackinnon, D.P. (2018, September). Modern mediation analysis. Developmental Methods Conference, Whitefish, Montana.

MacKinnon, D.P. (2019, April 5). How Modern Mediation Analysis Advances Psychological Science. Southwestern Psychological Association Keynote address, Albuquerque, New Mexico.

MacKinnon, D.P. (2019, April 25). Current Analytical Approaches to Mediation Analysis. The Next Step in Understanding and Ameliorating the Long-term Effects of Adversity: Bring the Cohorts Together Invited Talk. Yale University, New Haven, Connecticut.

MacKinnon, D.P. (2019, May 26). The Potential Outcomes Approach to Causal Inference. Association for Psychological Science, Invited Workshop. Washington, DC.

MacKinnon, D.P. (2019, August 8). How and Why to Investigate How and Why. American Psychological Association Presidential Address for Division 5 Quantitative and Qualitative Methods, Chicago, Illinios.

MacKinnon, D. P. (2019, August 29). Causal mediation analysis and applications to single case studies. Single Subject Mediation Analysis Conference Invited Presentation. Leiden, Netherlands.

MacKinnon, D. P. (2020, September 23, 2020). Methods for Studying How Interventions Work., National Institute of Mental Health Child Intervention, Prevention, and Services (CHIPS) virtual presentation.

MacKinnon, D. P. (2020, February 19). Controversies and Challenges in Mediation Analysis. University of Miami Department of Public Health Sciences, Miami, Florida.

MacKinnon, D. P. (2020, February 20 and 21 Two workshops). Modern Mediation Analysis. University of Miami Department of Public Health Sciences and Coral Gables campus. Miami, Florida.

MacKinnon, D. P. (2020, June 18). Connections between traditional and causal mediation methods. Mind the Gap Presentation. National Institute of Health Webinar.

MacKinnon, D. P. (2021, February 19). Introduction to Causal Mediation Analysis. Consortium for the Advancement of Research Methods. Virtual Presentation.

MacKinnon, D. P. (2021, February 22). How do we know if our methods should work? Benchmarks, Plasmodes, and Statistical Mediation Analysis. Invited presentation for University of Maryland, Ohio State University, and University of North Carolina combined Virtual Quantitative Seminar.

MacKinnon, D. P. (2021, May 7). Mediation Days and Nights: Moving from Traditional to Causal Mediation Mediation Days Virtual Conference. McGill, University.

MacKinnon, D. P. (2021, September 2). New Methods for Studying Mediating Mechanisms in Developmental and Intervention Studies of Child Maltreatment, Conference on Innovative Methods in Child Maltreatment Research: The Latest Approaches for Improving Detection and Intervention. University Park, Pennsylvania.

MacKinnon, D. P. (2021, October 15). Meditations on the Future of Mediation Analysis. Presidential Address to the Society of Multivariate Experimental Psychology. SMEP Virtual Conference.

MacKinnon, D. P. (2022, January 24). Introduction to the Potential Outcomes Mediation Model. Invited presentation to the University of North Carolina, Chapel-Hill Quantitative Psychology Series.

MacKinnon, D. P. (2022, February 16). Motivations for Investigating Mediating Processes in Etiological and Intervention Research. Invited presentation at the Clark-Hill Institute for Positive Youth Development Virginia Commonwealth University.

MacKinnon, D. P. (2022, August 29). Next steps in the analysis of mediating variables. Invited presentation for University of North Carolina Quantitative Seminar.

MacKinnon, D. P. (2023, September 24). Benchmark value, estimate, and effect validation. Invited presentation for University of South Carolina Quantitative Seminar.

MacKinnon, D. P. (2023, September 25). Why I love mediation analysis. Invited presentation for the University of South Carolina General Seminar.

MacKinnon, D. P. (2024, February 14, virtual). The single mediator counterfactual model: Motivation and links with traditional mediation analysis. Invited colloquia for the University of Minnesota Psychology Department.

**Conference Presentations** Not listed to conserve space.

**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"

Arizona State University, Mentoring

Dissertation, Masters, Comprehensive, and Honors student committees: More than 130, Chair: approximately 45

Graduate Students Advised

2024 Current Sophia Lamp

2024 Current Diana Alvarez Bartolo, Fulbright Fellowship from Mexico

2022 Heather Smyth, Research Associate, Department of Biostatistics and Informatics, University of Colorado Anschutz Medical Campus

2018 Oscar Gonzalez, Assistant Professor, Department of Psychology, University of North Carolina

2018 Matthew Valente, Assistant Professor, Department of Epidemiology, University of South Florida

2017 Hanjoe Kim, Assistant Professor, Department of Psychology, University of Houston

2017 Milica Miočević, Assistant Professor, Department of Psychology, McGill University

2016 Holly O’Rourke, Assistant Professor, School of Social and Family Dynamics, Arizona State University

2016 Ingrid Wurpts, Data Scientist, Dignity Health Corporation

2013 Yasemin Kisbu-Sakarya, Assistant Professor, Department of Psychology,KoçUniversity Istanbul, Turkey

2010 Davood Tofighi, Associate Professor, Department of Psychology, University of New Mexico

2008 Amanda J. Fairchild, Professor, Department of Psychology, University of South Carolina

2007 Matthew S. Fritz, Associate Professor of Practice, College of Education and Human Services, University of Nebraska, Lincoln

2006 Chondra Lockwood, Research Analyst, Oregon Department of Health Services

2004 Jason Willams, Principal Scientist, Research Triangle Institute

2003 Antonio Morgan-Lopez, Principal Scientist, Research Triangle Institute

2003 Marcia Taborga, Partner & Consultant Seedlings Consulting Group

2002 Jeewon Cheong, Associate Professor, Department of Health Behavior, University of Florida

2001 Liva Nohre, Senior Epidemiologist, Maricopa County Public Health

2001 Michael W. Todd, Associate Research Professor, College of Nursing, Arizona State University

2000 Jeanne M. Hoffman, Professor, Department of Rehabilitative Medicine, University of Washington School of Medicine

1998 Melanie C. Page, Professor and Assistant Vice President for Creative and Scholarly Activity, Department of Psychology, West Virginia University

1995 Michael G. Maclean, Associate Professor, Department of Psychology, Buffalo State University

Post-doctoral students

2022 Current Alexis Georgeson, Postdoctoral fellow

2012 Matthew Cox, Postdoctoral fellow, MD Anderson Cancer Center

2010 Ginger Lockhart, Associate Professor, Utah State University

1998 Jennifer Krull, Professor, University of California, Los Angeles

Undergraduate Honors students

1995 Jason Adams, Effects of repeated warnings.

1996 Roxane Forsythe, The effects of warnings on gambling behavior.

1998 Brian Curtis, The intraclass correlation versus Pearson product moment correlation in test-retest data.

2002 Brooke C. Radford, Academic procrastination in the context of social temptation and different time periods.

Foreign Students Mentored

Judith Rijnhart, Vrie University Netherlands, Fulbright.

Kimberly Goldsmith, King’s College London United Kingdom

Mine Yildrim, University of Amsterdam, Netherlands

Martje van Stralen, Vrie University, Netherlands

K and other award mentorship (selected)

Ahnalee Brinks (current) Assistant Professor, Michigan State University, K award

Miguel Cano, Assistant Professor, Florida International University, K01-award

Kit Elam, Assistant Professor, Arizona State University, K01 award

Nicole Stadnick, Project Scientist, University of California, San Diego, K23

Oscar Gonzalez, National Science Foundation Graduate Research Fellowship

Matthew Valente, National Research Service Award

Patrick Malone, Associate Professor University of South Carolina, K-award

Armando Piña, Associate Professor Arizona State University, K-award

Kara Rudolf, Postdoctoral Scholar, University of California, Berkeley, K99 award

Peter Salem, Mentor for Research Methods for Robert Wood Johnson Training Grant

Davood Tofighi, Assistant Professor, University of New Mexico, National Research Service Award

Emily Winslow, Assistant Research Professor, Arizona State University, K-award

**Consultantships /Advisory Boards Last 5 Years**

Northwestern University Prevention Science and Methodology Group, College of Public Health, Principal Investigator Hendricks Brown

Pennsylvania State University Methodology Center, College of Health and Human Development, Principal Investigator Linda Collins

Dartmouth University Center for Technology and Behavioral Health, Department of Psychiatry, Principal Investigator Lisa Marsch

University of New Mexico, NIAAA Mechanisms of Behavior Change in Alcohol Use Disorder Treatment, Principal Investigator Katie Witkiewitz

Various other research projects.

**Professional Service**

(Current) Data Safety and Monitoring Board member Justice Community Opioid Innovation Network (JCOIN) National Institute on Drug Abuse.

(Current) Poly-tobacco Use Analytics and Measures Subcommittee. Center for Coordination of Analytics, Science, Enhancement, and Logistics in Tobacco Regulatory Science

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) and others. Permanent Member of the National Institute on Drug Abuse, Epidemiology and Prevention Review Committee 1996-2001. Reviews for other NIH agencies, Center for Disease Control, National Institute of Dental and Craniofacial Research, and foreign governments (United Kingdom, Belgium, Switzerland, China, among others).

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 Epidemiology, American Journal of Public Health, American Statistician, Basic and Applied Social Psychology, Biometrics, British Journal of Mathematical and Statistical Psychology, Cancer Epidemiology, Biomarkers, and Prevention, Biostatistics, Child Development, Developmental Psychology, Communications in Statistics, Drug and Alcohol Dependence, Environmental Research, Evaluation and the Health Professions (Editorial Board), Health Psychology, International Journal of Methods in Psychiatry, Journal of Abnormal Psychology, Journal of the American Medical Association, Journal of Computational Statistics, Journal of Exercise and Sport Psychology, Journal of Marketing Research, Journal of Nervous and Mental Diseases, Journal of Personality, Journal of the Royal Statistical Society, Journal of Statistical Software, Journal of Studies on Alcohol, Journal of Women's Health, Lancet Psychiatry, Media Psychology, Millbank Quarterly, Multivariate Behavioral Research, Personality and Social Psychology Bulletin, Prevention Science (Associate Editor), Psicologia, Psychological Bulletin, Psychological Methods (Editorial Board), Psychological Science, Psychology and Marketing, Psychology of Addictive Behaviors (Consulting Editor), Psychometrika, Psychonomic Bulletin & Review, Social Science & Medicine, Social Sciences Research, Statistics in Medicine, Statistical Methods in Medical Research, Structural Equation Modeling, and others.

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. Conference in honor of Professor Leona Aiken, March 2019

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

Program Review Member Department of Psychology University of New Mexico, February 2016

Chair Search Committee Member, 2015-2017

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 2009-2012

Section Representative APA Division 5 2013-2017

President APA Division 5 2017

President Society for Multivariate Experimental Psychology (SMEP) 2019

Data Safety and Monitoring Board; Justice Community Opioid Innovation Network, 2019 - present

**Society Memberships:**

American Association for the Advancement of Science

American Psychological Association (Fellow)

American Public Health Association

American Statistical Association

Association for Psychological Science (Fellow)

Human Factors & Ergonomics Society

Psychometric Society

Sigma XI

Society for Multivariate Experimental Psychology

Society for Prevention Research (Fellow)