

CURRICULUM VITAE

DOUGLAS ANTHONY LUKE, PH.D.

Washington University in St. Louis
Campus Box 1196, One Brookings Drive
St. Louis, MO 63130-4899

(314) 935-3704
dluke@wustl.edu

BIOGRAPHY

Douglas A. Luke, PhD, is the Professor of Data Science for the Social Good at the Brown School at Washington University in St. Louis. He is the director of the Center for Public Health Systems Science (CPHSS), which has been active and funded for the past 20 years. His research focuses on evaluation and implementation of evidence-based public health policies. He is also a leading methodologist with expertise in systems science, network analysis, agent-based modeling, and multilevel and longitudinal modeling. Based on a 2019 PLoS Biology bibliometric analysis, he has ranked in the top 1% of scientists in the world based on the number of highly cited papers. He received his PhD in community and clinical psychology from the University of Illinois, Urbana-Champaign, in 1990.

EDUCATION

- 1990 Post-Doctoral Research Fellow, Clinical Services Research
 Fellowship Program, Western Psychiatric Institute and Clinic
- 1990 Ph.D., University of Illinois, Psychology.
- Major field: Clinical/Community Psychology
 Minor field: Quantitative Psychology
- Dissertation: *The Measurement of Change in a Self-Help Context*
- 1988 M.A., University of Illinois, Psychology.
- Thesis: *Setting and Behavior: Behavior Setting Theory and Mutual
 Help*
- 1983 A.B. with honors, Washington University

PROFESSIONAL EXPERIENCE

- 2020 – Present Professor of Data Science for the Social Good, Brown School,
 Washington University in St. Louis.

2015 – Present	Director, Doctoral Program in Public Health Sciences, Washington University in St. Louis
2012 – Present	Director, Center for Public Health Systems Science, Washington University in St. Louis
2011 – Present	Director, Tracking and Evaluation Core, Institute of Clinical and Translational Sciences, Washington University in St. Louis
2008 – 2020	Professor of Public Health, Brown School, Washington University in St. Louis.
2008 – Present	Founding Faculty Member, Institute of Public Health, Washington University in St. Louis.
2008 – 2012	Director, Center for Tobacco Policy Research, Brown School, Washington University in St. Louis.
2007 – 2008	Professor of Community Health, Saint Louis University School of Public Health.
2007 – 2008	Co-Director, Doctoral Program in Public Health Studies, Saint Louis University School of Public Health.
2001 – 2008	Director, Center for Tobacco Policy Research, Saint Louis University School of Public Health.
2000 – 2007	Associate Professor and Biostatistics Division Director, Department of Community Health, School of Public Health, Saint Louis University.
2000 – 2001	Visiting Associate Professor, Department of Psychology, Harvard University.
1994 – 2000	Assistant Professor, School of Public Health, Saint Louis University.
1990 - 1994	Assistant Professor (Non-tenure track), Department of Psychology, Michigan State University

AWARDS & RECOGNITION

2020	Installed as the first holder of the Data Science for the Social Good (in Policy) endowed chair
2019	Brown School Faculty Achievement Award
2014	Member, <i>Committee on the Assessment of Models Used to Predict the Effect of Policies Related to Tobacco Regulation</i> , Institute of Medicine.
2012-2013	Member, <i>Interagency Committee on Smoking and Health</i> , U.S. Department of Health & Human Services.

- 2007-2011 Member, NIH CSR Study Section: *Community Influences on Health Behavior*, National Institutes of Health.
- 1999 *Expanding behavior setting theory: Setting phenotypes in a mutual help organization* selected as one of the 10 most influential methodology articles published in the first 25 years of the *American Journal of Community Psychology*.
- 1989 Ed Scheiderer Memorial Award, For outstanding research by a clinical psychology graduate student, University of Illinois.
- 1984 Outstanding instructor, Introduction to Psychology, University of Illinois.
- 1983 Phi Beta Kappa, Washington University.

GRANTS AND CONTRACTS

- 2019 - 2024 Methods Unit Lead. Washington University Implementation Science Center in Cancer Control (WU-ISCCC). Washington University. (\$1.2M, P50 CA-19-006, 5 years, NCI).
- 2019 - 2024 Co-Investigator. IDEAS Center (IDEAS). NYU, Washington University. (\$1.7M, P50, 5 years, NIMH).
- 2019 - 2024 Co-Principal Investigator. Interact for Health - Tobacco 21 Evaluation. Washington University. (\$223K, 2 years, Interact for Health).
- 2018 - 2023 Co-Principal Investigator. Advancing Science and Practice in the Retail Environment (ASPiRE). UNC, Washington University, Stanford. (\$11.6M, NCI P01-CA225597-01, 5 years, NCI).
- 2016 – 2018 Principal Investigator. Evaluation of North Dakota’s Comprehensive Tobacco Prevention and Control Program. Washington University. (\$900K, 2 years, State of North Dakota).
- 2016 – 2018 Co-Principal Investigator. Agent-based Modeling to Measure the Impact of Menthol and Retailer Density Policies in Minnesota. Tobacco Control Legal Consortium, St. Paul, MN; Washington University. (\$90K, 2 years, ClearWay Minnesota).
- 2015 – 2020 Co-Principal Investigator. Sustainability Toolkit and User Guide Tools Dissemination Project. Washington University. (\$524K, 5 years, CDC).
- 2013 – 2015 Principal Investigator (12%). A retail policy laboratory: Modeling impact of retailer reduction on tobacco use. Washington University. (\$275K, 2 years, NIH, 1R21CA172938-01A1).

- 2012 – 2016 Co-Investigator. Sustainability Toolkit and User Guide Tools Dissemination Project. Washington University. (\$385K, 4 years, CDC).
- 2012 – 2017 Director of Tracking & Evaluation Core. Institute of Clinical and Translational Sciences. Washington University. (PI Evanoff, NIH/NCATS U54 RR024992).
- 2012 – 2013 Co-Investigator. Social Networks as External Executive Control in Early Recovery from Alcohol Use Disorders. Washington University Research Strategic Alliance (URSA). (PI McCutcheon) (\$25K).
- 2011 – Present Principal Investigator (20%); Maximizing state & local policies to restrict tobacco marketing at point of sale. University of North Carolina, Washington University, Stanford University (PIs Ribisl, Luke, Henriksen). (\$8.2M, 5 years, NCI, 1U01CA154281-01).
- 2011 – 2015 Principal Investigator (4%); IPA with CDC Division of Heart Disease and Stroke Prevention. Washington University Center for Tobacco Policy Research. (\$329K, 2 years, CDC)
- 2011 – 2012 Principal Investigator (10%); Sustainability Tool Dissemination Project. Washington University Center for Tobacco Policy Research. (\$162K, 1 year, CDC)
- 2010 – 2012 Principal Investigator of Evaluation Contract (10%); Communities Putting Prevention to Work: Changing Tobacco Norms in St. Louis County; St. Louis County Health Department. (\$972K, 2 years, CDC).
- 2009 – 2010 Principal Investigator (5%); State Sustainability Tool Development Project. Washington University Center for Tobacco Policy Research. (\$178K, 1 year, NACDD).
- 2008 – 2011 Principal Investigator (5%); Evidence-base in Tobacco Control: Evaluating States' Use of Evidence-based Guidelines. Washington University Center for Tobacco Policy Research. (\$653K, 3 years, NACDD).
- 2008 – 2011 Principal Investigator (5%); Best Practices User Guides Project. Washington University Center for Tobacco Policy Research. (\$404K, 3 years, NACDD).
- 2007 – 2008 Principal Investigator (10%); Missouri Tobacco Control Assessment Project; Saint Louis University Center for Tobacco Policy Research. (\$167K; 1 year; Missouri Foundation for Health).
- 2007 – 2009 Principal Investigator (7%); National Tobacco Control Networks for Priority Populations - Evaluation; Saint Louis University Center for Tobacco Policy Research. (\$64K; 1 year; CDC).
- 2007 – Present Biostatistician (4%); Cancer Control Dissemination Research Among State-Level Policy Makers; Saint Louis University. (5 years; NCI).

2005 – Present Principal Investigator (20%); External Evaluator for MFH Tobacco Control Initiative; Saint Louis University Center for Tobacco Policy Research. (\$2.8 million; 7 years; Missouri Foundation for Health).

2005 – 2006 Biostatistician (In kind); Analysis of Patterns and Policy-related Correlates of State Obesity; Saint Louis University. (\$62,000; 1 year; Robert Wood Johnson Foundation).

2004 – Present Biostatistician (4%); Health Promotion and Disease Prevention Research Center; Saint Louis University. (5 years; CDC).

2004 – 2007 Evaluation Coordinator (4%); Cancer Prevention & Control Research Network; Saint Louis University. (5 years; CDC).

2003 – 2008 Principal Investigator (30%); Cancer Communication in Black Newspapers; Saint Louis University. (\$2.0M; 5 years; NCI).

2003 – 2005 Principal Investigator (20%); Evaluation of Economic Impact on State Tobacco Control Programs; Saint Louis University. (\$450,000; 2 years; CDC, NCI, American Legacy Foundation).

2003 – 2004 Biostatistician (20%); Relationship of Cardiac and Upper Respiratory Illnesses Reported at Emergency Departments and Air Pollution in the St. Louis Metropolitan Area. Principal Investigator: David Sterling. (\$175,000; 1 year; EPRI).

2002 – 2004 Co-Investigator (3%); Physical Activity, Obesity and Diabetes Prevention; Saint Louis University. Principal Investigator: Ross Brownson. (\$1.2M; 3 years; NIDDK).

2001 – 2005 Co-Investigator (10%); The Collaborative Genetic Study of Nicotine Dependence; Washington University. Principal Investigator: Theodore Reich. (\$11M; 5 years; NCI).

2001 – 2004 Principal Investigator (25%); Multistate Evaluation of Tobacco Control Best Practices; Saint Louis University, Missouri Department of Health. (\$600,000; 3 years; CDC, American Legacy Foundation).

2001 – 2003 Co-Investigator (15%); Alcoholism: Epidemiologic High Risk Family Study; Washington University. Principal Investigator: Kathleen Bucholz. (5 years; NIAAA).

1999 – 2003 Consultant (2%); Development of Practical Measures of Protective Social Factors and Social Capital; Saint Louis University. Principal Investigator: Elizabeth Baker. (\$238,406; 3 years; CDC).

1998 – 2003 Co-Investigator (10%); Media Dissemination Core Study: Chronic Disease Prevention in High-Risk Communities; Saint Louis University. Principal Investigator: Matthew Kreuter. (\$835,000; 5 years; CDC).

- 1998 – 2003 Co-Investigator (5%); Methods Core: Chronic Disease Prevention in High-Risk Communities; Saint Louis University. Principal Investigator: Elena Andresen. (5 years; CDC).
- 1999 – 2000 Principal Investigator (15%); Development of an Ecological Cancer Risk Assessment Instrument; Saint Louis University/Washington University/AMC Cancer Center. (\$100,000; 1 year; AMC Cancer Center)
- 1997 - 1998 Principal Investigator (20%); Teen Responses to Tobacco Control Policies; Saint Louis University. (\$100,000; 1 year; CDC).
- 1997 - 2000 Biostatistical Consultant (5%); Cognitive Processes in PTSD: Focus on Domestic Violence; University of Missouri-St. Louis. Principal Investigator: Patricia Resick. (\$2,079,457; 4 years; NIMH).
- 1997 - 1998 Biostatistical Consultant (5%); Removal of Lead from Carpets and Upholstery; Saint Louis University. Principal Investigator: Roger Lewis. (\$125,000; 1 year; HUD).
- 1996 - 1997 Principal Investigator (25%); Teen Responses to Tobacco Advertising; Saint Louis University. (\$97,418; 1 year; CDC).
- 1996 - 1997 Biostatistical Consultant (10%); Developing Prostate Cancer Early Detection Programs; Missouri Department of Health. (\$150,000; 1 year; CDC).
- 1994 - 1999 Biostatistical Consultant (5%); Rural Chronic Disease Prevention Center; Saint Louis University. Principal Investigator: Ross Brownson. (5 years; CDC)
- 1995 - 1996 Principal Investigator (30%); Sociocultural Factors in Adolescent Smoking; Saint Louis University. (\$100,000; 1 year; CDC).
- 1995 - 1996 Biostatistical Consultant (5%); The Assessment and Validation of the Health Promotion Environments; Saint Louis University. (\$98,099; 1 year; CDC)
- 1995 - 1996 Biostatistical Consultant (5%); Dioxin Exposure Study from Incinerator Emissions, Times Beach, Missouri; Missouri Department of Health & Saint Louis University. Principal Investigator: Greg Evans. (2 years; EPA)
- 1990 - 1994 Co-Principal Investigator (50%), Evaluation of a Specialized Treatment Program for Dual-Diagnosis, Michigan Department of Mental Health and Michigan State University. Principal Investigators: Carol Mowbray and William Davidson III. (\$650,000; 5 years; NIMH)

PUBLICATIONS

- Luke, D. A. (in press). *Multilevel modeling*, 2nd Edition. Sage Publications.
- Combs, T. B., McKay, V. R., Ornstein, J., Mahoney, M., Cork, K., Brosi, D., Kasman, M., Heuberger, B., Hammond, R. A., & Luke, D. A. (2019). Modelling the impact of menthol sales restrictions and retailer density reduction policies: insights from Tobacco Town Minnesota. *Tobacco Control*, <https://doi.org/10.1136/tobaccocontrol-2019-054986>.
- Dhand, A., Lang, C. E., Luke, D. A., Kim, A., Li, K., McCafferty, L., Mu, Y., Rosner, B., Feske, S. K., & Lee, J. M. (2019). Social network mapping and functional recovery within 6 months of ischemic stroke. *Neurorehabilitation and Neural Repair*. <https://doi.org/10.1177/1545968319872994>.
- Combs, T., Brosi, D., Chaitan, V., He, E., Luke, D. A., & Henriksen, L. (2019). Local retail tobacco environment regulation: Early adoption in the U.S. *Tobacco Regulatory Science*, 5, 76-86
- Harris, J. K., Combs, T. B., Johnson, K. J., Carothers, B.J, Luke, D. A., Wang, X. (2019). Three changes public health scientists can make to help build a culture of reproducible research. *Public Health Reports*. <https://doi.org/10.1177/2F0033354918821076>
- Dhand, A., Luke, D. A., Lang, C., Tsiaklides, M., Feske, S., & Lee, J. M. (2019). Social networks and risk of delayed hospital arrival after acute stroke. *Nature Communications*, 10, 1206.
- Prusaczyk, B., Maki, J., Luke, D. A., & Lobb, R. (2019). Rural health networks: How network analysis can inform patient care and organizational collaboration in a rural breast cancer screening network. *The Journal of Rural Health*, 35, 222-228.
- Harris, J. K., Johnson, K. J., Carothers, B.J, Combs, T. B., Luke, D. A., Wang, X. (2018). Use of reproducible research practices in public health: A survey of public health analysts. *PLoS ONE* 13(9): e0202447. <https://doi.org/10.1371/journal.pone.0202447>
- Schleicher, N. C., Johnson, T. O., D'angelo, H., Luke, D. A., Ribisl, K. M., & Henriksen, L. (2018). Concordance of advertised cigarette prices with purchase receipts in the United States. *Tobacco Regulatory Science*, 4(3), 3-9.
- Patel, R.R., Luke, D.A., Proctor, E.K., Powderly, W.G., Chan, P.A., Mayer, K.H., Harrison, L.C. & Dhand, A. (2018). Sex venue-based network analysis to identify HIV prevention dissemination targets for men who have sex with men. *LGBT Health*, 5, 78-85.

- Dhand, A., Luke, D. A., Kim, A., Feske, S. K., Lang, C. E., & Lee, J. (2018). Social network size at stroke onset is associated with 3 and 6-month stroke outcomes. *Stroke*, 49, ATMP37.
- Luke, D. A., Hammond, R. A., Combs, T., Sorg, A., Kasman, M., Mack-Crane, W., Ribisl, K. M., & Henriksen. (2017). Tobacco Town: Using computational modeling to study effects of policies designed to reduce tobacco retailer density. *American Journal of Public Health*, 107(5), 740-746.
- Luke, D. A., Sarli, C. C., Suiter, A. M., Carothers, B. J., Combs, T. B., Allen, J. L., Beers, C. E., & Evanoff, B. A. (2017). The Translational Science Benefits Model: A New framework for assessing the health and societal benefits of clinical and translational sciences. *Clinical and Translational Science*. doi:10.1111/cts.12495
- Luke, D. A., Morshed, A. B., McKay, V. R., & Combs, T. B. (2017). Systems science methods in dissemination and implementation research. In R. C. Brownson, G. A. Colditz, and E. K. Proctor (Eds.), *Dissemination and Implementation Research in Health: Translating Science to Practice*, 2nd Ed. (pp. 157-173). Oxford University Press.
- Ginexi, E. M., Huang, G., Steketee, M., Tsakraklides, S., MacAllum, K., Bromberg, J., Huffman, A., Luke, D. A., Leischow, S. J., Okamoto, J. M., & Rogers, T. (2017). Social network analysis of a scientist–practitioner research initiative established to facilitate science dissemination and implementation within states and communities. *Research Evaluation*, 26(4), 316-325.
- Brownson, R. C., Proctor, E. K., Luke, D. A., Baumann, A. A., Staub, M., Brown, M. T., & Johnson, M. (2017). Building capacity for dissemination and implementation research: one university’s experience. *Implementation Science*, 12(1), 104.
- Ribisl, K. M., D'Angelo, H., Feld, A. L., Schleicher, N. C., Golden, S., Luke, D. A., & Henriksen, L. (2017). Disparities in tobacco marketing and product availability at the point of sale: Results of a national study. *Preventive Medicine*, 105, 381-388.
- Farrelly, M. C., Chaloupka, F. J., Berg, C. J., Emery, S. L., Henriksen, L., Ling, P., Leischow, S. J., Luke, D. A., Kegler, M. C., Zhu, S. H., Pesko, M. F., & Ginexi, E. M. (2017). Taking stock of tobacco control program and policy science and impact in the United States. *Journal of Addictive Behaviors and Therapy*, 1(2-8).
- Lee, J. G., Sun, D. L., Schleicher, N. M., Ribisl, K. M., Luke, D. A., & Henriksen, L. (2017). Inequalities in tobacco outlet density by race, ethnicity, and socioeconomic status, 2012, USA: Results from the ASPIRE Study. *Journal of Epidemiology and Community Health*, 71(5), 487.

- Luke, D. A. & Schoen, M. (2017). Social networks in human disease. In J. Loscalzo, A. L. Barabasi, and E. K. Silverman (Eds.), *Network medicine: Complex systems in human disease and therapeutics* (pp. 89-111). Harvard University Press.
- Luke, D. A., Dhand, A., & Carothers, B. J. (2017). Social network analysis: The ubiquity of social networks and their importance for population health. In A. El-Sayed and S. Galea (Eds.), *Systems Science and Population Health* (pp. 113-128). Oxford University Press.
- Luke, D. A., Baumann, A. A., Carothers, B. J., Landsverk, J., & Proctor, E. K. (2016). Forging a link between mentoring and collaboration: A new training model for implementation science. *Implementation Science, 11:137*. DOI: 10.1186/s13012-016-0499-y.
- Luke, D. A., Sorg, A. A., Combs, T., Robichaux, C. B., Moreland-Russell, S., Ribisl, K. M., & Henriksen, L. (2016). The tobacco retail policy landscape: A longitudinal survey of US states. *Tobacco Control, 25*, i44-i51. doi:10.1136/tobaccocontrol-2016-053075
- Ribisl, K. M., Luke, D. A., & Henriksen, L. (2016). The case for a concerted push to reduce place-based disparities in smoking-related cancers (Invited commentary). *JAMA Internal Medicine, 176(12)*, 1799-1800.
- Ribisl, K. M., Luke, D. A., Bohannon, D. L., Sorg, A. A., & Moreland-Russell, S. (2016). Reducing disparities in tobacco retailer density by banning tobacco product sales near schools. *Nicotine & Tobacco Research, 19(2)*, 239-244.
- Dhand, A., Luke, D. A., Lang, C. E., & Lee, J. (2016). Social networks and neurological illness. *Nature Reviews Neurology*.
- Golden, S. D., Farrelly, M. C., Luke, D. A., & Ribisl, K. M. (2016). Comparing projected impacts of cigarette floor price and excise tax policies on socioeconomic disparities in smoking. *Tobacco Control, 25*, i60-i66.
- Moreland-Russell, S., Combs, T., Schroth, K., & Luke, D. A. (2016). Success in the city: The road to implementation of Tobacco 21 and sensible tobacco enforcement in New York City. *Tobacco Control, 25*, i6-i9.
- Dhand, A., Dalton, A. E., Luke, D. A., Gage, B. F., & Lee, J. (2016). Accuracy of wearable cameras to track social interactions in stroke survivors. *Journal of Stroke and Cerebrovascular Diseases, 25*, 2907-2910.

- Dhand, A., Luke, D. A., Carothers, B. J., & Evanoff, B. A. (2016). Academic cross-pollination: The role of disciplinary affiliation in research collaboration. *PLoS ONE*, *11*(1):e0145916. DOI: 10.1371/journal.pone.0145916.
- Luke, D. A. (2015). *A user's guide to network analysis in R*. Springer International Publications.
- Dhand, A., Luke, D. A., Tsiaklides, M., Lang, C., Lee, JM. (2015). Social network characteristics influence timing of hospital arrival after acute ischemic stroke. *Annals of Neurology*, *78*, S25.
- Proctor, E., Luke, D. A., Calhoun, A., McMillen, C., Brownson, R., McCrary, S., & Padek, M. (2015). Sustainability of evidence-based healthcare: Research agenda, methodological advances, and infrastructure support. *Implementation Science*, *10*, 88. doi:10.1186/s13012-015-0274-5.
- IOM (Institute of Medicine). (2015). *Assessing the use of agent-based models for tobacco regulation*. Washington, DC: The National Academies Press.
- Gehlert, S., Carothers, B. J., Lee, J. A., Gill, J., Luke, D. A., & Colditz, G. (2015). A social network analysis approach to diagnosing and improving the functioning of transdisciplinary teams in public health. *Transdisciplinary Journal of Engineering & Science*, *6*, 11-22.
- McCutcheon, V. V., Luke, D. A., & Lessov-Schlaggar, C. N. (2015). Reduced social network drinking is associated with improved response inhibition in women during early recovery from alcohol use disorders: A pilot study. *Alcoholism Clinical and Experimental Research*, *40*. DOI: 10.1111/acer.12925.
- Barbero, C., Gilchrist, S., Schooley, M.W., Chriqui, J.F., Luke, D.A., & Eyler, A. A. (2015). Assessing the evidence basis for public health policy using the Quality and Impact of Component (QuIC) Evidence Assessment. *Global Heart*, *10*, 3-11. doi: 10.1016/j.gheart.2014.12.013.
- Luke, D. A., Carothers, B. J., Dhand, A., Bell, R. A., Moreland-Russell, S., Sarli, C. C., & Evanoff, B. A. (2015). Breaking down silos: Mapping growth of cross-disciplinary collaboration in a translational science initiative. *Clinical and Translational Science*, *8*, 143-149. DOI: 10.1111/cts.12248. PMCID: PMC4405428.
- Luke, D. A., Calhoun, A., Robichaux, C.B., Elliott, M. B., & Moreland-Russell, S. (2014). The *Program Sustainability Assessment Tool*: A new instrument for public health programs. *Preventing Chronic Disease*, *11*, 130184. DOI: <http://dx.doi.org/10.5888/pcd11.130184>. PMCID: PMC3900326.

- Calhoun, A., Mainor, A., Moreland-Russell, S., Maier, R., Brossart, L., & Luke, D. A. (2014). Using the *Program Sustainability Assessment Tool* to assess and plan for sustainability. *Preventing Chronic Disease*, *11*, 130185. DOI: <http://dx.doi.org/10.5888/pcd11.130185>. PMID: PMC3900327.
- Cavazos-Rehg, P., Krauss, M., Spitznagel, E. L., Chaloupka, F. J., Luke, D. A., Waterman, B., Gruzza, R. A., & Bierut, L. J., (2014). Differential effects of cigarette price changes on adult smoking behaviors. *Tobacco Control*, *23*, 113-118. Doi:10.1136/tobaccocontrol-2012-050517. PMID: PMC3740198.
- Luke, D. A., Moreland-Russell, S., & Herbers, S. (2013). Measuring success: An evaluation framework for transdisciplinary public health. In D. Haire-Joshu and T. D. McBride (Eds.), *Transdisciplinary public health: Research, methods, and practice* (pp. 79-98). San Francisco: Jossey-Bass.
- Luke, D. A., Wald, L. M., Carothers, B. J., Bach, L. E., & Harris, J. K. (2013). Network influences on dissemination of evidence-based guidelines in state tobacco control programs. *Health Education & Behavior* *40*, pp. 33S-42S.
- Schell, S. F., Luke, D. A., Schooley, M. W., Elliott, M. B., Herbers, S. H., Mueller, N. B., & Bunger, A. C. (2013). Public health program capacity for sustainability: A new framework. *Implementation Science*, *8*, 15. PMID: PMC3599102.
- Caburnay, C. A., Luke, D. A., Cameron, G., Cohen, E. L., Fu, Q., Lai, C. L., Stemmler, J., Paulen, M., McDaniels, L., Kreuter, M. W. (2012). Evaluating the Ozioma cancer news service: A community randomized trial in 24 U.S. cities. *Preventive Medicine*, *54*, 425-430. PMID: PMC3459597
- Luke, D. A., & Stamatakis, K. A. (2012). Systems science methods in public health: Dynamics, agents, and networks. *Annual Review of Public Health*, *33*, 357-376. PMID: PMC3644212
- Luke, D. A. (2012). Viewing dissemination and implementation research through a network lens. In R. Brownson, G. Colditz, and E. Proctor (Eds.), *Dissemination and implementation research in health: Translating science to practice* (pp. 154-174). Oxford University Press.
- Stamatakis, K. A., McQueen, A., Filler, C., Boland, E., Dreisinger, M., Brownson, R. C., & Luke, D. A. (2012). Measurement properties of a novel survey to assess stages of organizational readiness for evidence-based interventions in community chronic disease prevention settings. *Implementation Science*, *7*, 65. PMID: PMC3418158
- Kreuter, M. W., Fernandez, M. E., Brown, M., Cofta-Woerpel, L., Pfeiffer, D., Adams-Piphus, B., Krebill, H., Gonzalez, D. A., Campos, D. M., Kirklin, G. T.,

- Betsworth, S., Casey, C., & Luke, D. A. (2012). Increasing information-seeking about human papillomavirus vaccination through community partnerships in African American and Hispanic communities. *Family & Community Health, 35*, 15-30.
- Harris, J. K., Carothers, B. J., Luke, D. A., Silmere, H., McBride, T. D., & Pion, M. (2012). Exempting casinos from the Smoke-free Illinois Act will not bring patrons back: They never left. *Tobacco Control, 21*, 373-376.
- Ham, D. C., Przybeck, T., Strickland, J. R., Luke, D. A., Bierut, L. J., & Evanoff, B. A. (2011). Occupation and workplace policies predict smoking behaviors: Analysis of national data from the Current Population Survey. *Journal of Occupational and Environmental Medicine, 53*, 1337-1345. PMID: PMC3217081
- Brownson, R. C., Dodson, E. A., Stamatakis, K. A., Casey, C. M., Elliott, M. B., Luke, D. A., Wintrobe, C. G., & Kreuter, M. W. (2011). Communicating evidence-based information on cancer prevention to state-level policy makers. *Journal of the National Cancer Institute, 103*, 306-316. PMID: PMC3039727
- Luke, D. A., Caburnay, C. A., & Cohen, E. L. (2011). How much is enough? New recommendations for using constructed week sampling in newspaper content analysis of health stories. *Communication Methods and Measures, 5*, 76-91. doi: 10.1080/19312458.2010.547823
- Harris, J.K., Cohen, E.L., Wyrwich, K.W., & Luke, D.A. (2011). Differences in smokers and nonsmokers' assessments of an educational campaign about tobacco use. *Health Education & Behavior, 38*, 574-583.
- Luke, D. A., Ribisl, K. M., Smith, C., & Sorg, A. A. (2011). Family Smoking Prevention and Tobacco Control Act: Banning outdoor tobacco advertising near schools and playgrounds. *American Journal of Preventive Medicine, 40*, 295-302.
- Schneider, J. K., Cook, J. H., & Luke, D. A. (2011). Unexpected effects of cognitive-behavioural therapy on self-reported exercise behaviour and functional outcomes in older adults. *Age and Ageing, 40*, 163-168. PMID: PMC3038455
- Luke, D. A., Harris, J. K., Shelton, S., Allen, P., Carothers, B. J., & Mueller, N. B. (2010). Systems analysis of collaboration in 5 national tobacco control networks. *American Journal of Public Health, 100*, 1290-1297. PMID: PMC2882404
- Cohen, E. L., Caburnay, C. A., Len-Rios, M. E., Gameron, G., Luke, D. A., Poor, T., Powe, B., Stemmler, J., & Kreuter, M. W. (2010). Engaging ethnic media to

expand the reach and effectiveness of communication strategies to reduce health disparities. *Health Communications*, 25, 569-571.

- Leischow S. J., Luke D. A., Mueller, N. B., Harris, J. K., Ponder, P., Marcus, S., & Clark, P. I. (2010). Mapping the US government tobacco control leadership: Networked for success? *Nicotine & Tobacco Research*, 12, 888-894. PMID: PMC2928935
- Widome, R., Samet, J. M., Hiatt, R. A., Luke, D. A., Orleans, C. T., Ponkshe, P., & Hyland, A. (2010). Science, prudence, & politics: The case of smoke-free indoor spaces. *Annals of Epidemiology*, 20, 428-435.
- Harris, J. K., Shelton, S., Moreland-Russell, S., & Luke, D. A. (2010). Tobacco coverage in print media: The use of timing and themes by tobacco control supporters and opposition before a failed tobacco tax initiative. *Tobacco Control*, 19, 37-43. PMID: PMC2921260
- Boyce, J. C., Mueller, N. B., Hogan-Watts, M., Luke, D. A. (2009). Evaluating the strength of school tobacco policies: The development of a practical rating system. *Journal of School Health*, 79, 495-504.
- Harris, J. K., Luke, D. A., Zuckerman, R., & Shelton, S. C. (2009). Forty years of secondhand smoke research: The gap between discovery and delivery. *American Journal of Preventive Medicine*, 36, 538-548.
- Dodson, E. A., Fleming, C., Boehmer, T. K., Haire-Joshu, D., Luke, D. A., & Brownson, R. C. (2009). Preventing childhood obesity through state policy: Qualitative assessment of enablers and barriers. *Journal of Public Health Policy*, 30, S161-S176.
- Harris, J.K. , Luke, D.A., Burke, R.C., & Mueller, N.B. (2008). Seeing the forest and the trees: Using network analysis to develop an organizational blueprint of state tobacco control systems. *Social Science & Medicine*, 67, 1669-1678.
- Caburnay, C., Kreuter, M. W., Cameron, G., Luke, D. A., Cohen, E., McDaniels, L., Wohlberg, M., & Atkins, P. (2008). Black newspapers as a tool for cancer education in African American communities. *Ethnicity & Disease*, 18, 488-495. PMID: PMC3955182.
- Boehmer, T. K., Luke, D. A., Haire-Joshu, D. L., Bates, H. S., & Brownson, R. C. (2008). Preventing childhood obesity through state policy: Predictors of bill enactment. *American Journal of Preventive Medicine*, 34, 333-340.

- Mueller, N. B., Burke, R. C., Luke, D. A., Harris, J. K. (2008). Getting the word out: A trial of multiple dissemination methods. *Journal of Public Health Management and Practice, 14*, 170-176.
- Cohen, E. L., Caburnay, C. A., Luke, D. A., Rodgers, S., Cameron, G. T., & Kreuter, M. W. (2008). Cancer coverage in general-audience and Black newspapers. *Health Communication, 23*, 427-435.
- Len-Rios, M. E., Park, S., Cameron, G. T., Luke, D. A., & Kreuter, M. (2008). Study asks if reporter's gender or audience predict paper's cancer coverage. *Newspaper Research Journal, 29*, 91-99.
- Schneider, J. K., Cook, J. H., & Luke, D. A. (2008). Cognitive behavioral therapy, exercise, and older adults' quality of life. *Western Journal of Nursing Research, 30*, 704-723.
- Luke, D. A., Harris, J. K. (2007). Network analysis in public health: History, methods and applications. *Annual Review of Public Health, 28*, 69-93.
- Luke, D. A. (2007). Multilevel growth curve analysis for quantitative outcomes. In Scott Menard (Ed.), *Handbook of Longitudinal Research: Design, Measurement, and Analysis across the Social Sciences*. Academic Press.
- Nelson, D. E., Reynolds, J. H., Luke, D. A., Mueller, N. B., Eischen, M. H., Jordan, J., Lancaster, B., Marcus, S. E., & Vallone, D. (2007). Successfully maintaining program funding during trying times: Lessons from tobacco control programs in five states. *Journal of Public Health Management and Practice, 13*, 612-620.
- Mueller, N. B., Luke, D. A., Herbers, S. H., & Montgomery, T. P. (2006). The *Best Practices*: Use of the guidelines by ten state tobacco control programs. *American Journal of Preventive Medicine, 31*, 300-306.
- Brownson, R. C., Haire-Joshu, D., & Luke, D. A. (2006). Shaping the context of health: A review of environmental and policy approaches in the prevention of chronic diseases. *Annual Review of Public Health, 27*, 341-370.
- Luke, D. A. (2005). Getting the big picture in community science: Methods that capture context. *American Journal of Community Psychology, 35*, 185-200.
- McMullen, K. M., Brownson, R. C., Luke, D. A., & Chiqui, J. (2005). Strength of clean indoor air laws and smoking related outcomes in the United States. *Tobacco Control, 14*, 43-48. PMID: PMC1747974.

- Brownson, R. C., Boehmer, T. K., & Luke, D. A. (2005). Declining rates of physical activity in the United States: What are the contributors? *Annual Review of Public Health, 26*, 421-443.
- Luke, D. A. (2004). *Multilevel modeling*. Sage University Papers Series on Quantitative Applications in the Social Sciences. Thousand Oaks, CA: Sage.
- Luke, D. A., & Krauss, M. (2004). Where there's smoke there's money: Tobacco industry campaign contributions and U.S. Congressional voting. *American Journal of Preventive Medicine, 27*, 363-372.
- Andresen, E., Diehr, P., & Luke, D. A. (2004). Health surveillance of low-frequency populations. *Annual Review of Public Health, 25*, 25-52.
- Fisher, E. B., Brownson, R. C., Heath, A. C., Luke, D. A., & Sumner, W. II. (2004). Cigarette smoking. In J. Raczynski, & L. Leviton (Eds.), *Handbook of clinical health psychology. Vol. II – Disorders of behavior and health* (pp. 75-120). Washington, D.C.: American Psychological Association.
- Boslaugh, S. E., Luke, D. A., Brownson, R. C., Naleid, K. S., & Kreuter, M. W. (2004). Perceptions of environmental opportunities for physical activity: Is it “Who you are” or “Where you live?” *Journal of Urban Health, 81*, 671-681. PMID: PMC3455921.
- Krauss M., Mueller N., & Luke D. A. (2004). Interorganizational relationships within state tobacco control networks: a social network analysis. *Preventing Chronic Disease, 1*, A08. PMID: PMC1277948.
- Caburnay, C.A, Kreuter, M.W., Luke, D.A., Logan, R.A., Jacobsen, H.A., Reddy, V.C., Vempaty, A.R., & Zayed, H.R. (2003). The news on health behavior: Coverage of diet, activity, and tobacco in local newspapers. *Health Education and Behavior, 30*, 709-722.
- Stamatakis, K. A., Brownson, R. C., & Luke, D. A. (2002). Risk factors for exposure to environmental tobacco smoke among ethnically diverse women in the United States. *Journal of Women's Health and Gender Based Medicine, 11*, 45-51.
- Crawford, M. A., Balch, G. I., Mermelstein, R., & The Tobacco Control Network Writing Group (2002). Responses to tobacco control policies among youths. *Tobacco Control, 11*, 14-19.
- Klasner, A. E., Luke, D. A., & Scalzo, A. J. (2002). Pediatric orogastric and nasogastric tubes: A new formula evaluated. *Annals of Emergency Medicine, 39*, 268-272.

- Luke, D. A., Ribisl, K. M., Walton, M. A., & Davidson, W. S. (2002). Assessing the diversity of personal beliefs about addiction: Development of the Addiction Belief Inventory. *Substance Use & Misuse, 37*, 91-121.
- Holcomb, W. L., Chaiworapongsa, T., Luke, D. A., & Burgdorf, K. (2001). An odd measure of risk: Use and misuse of the odds ratio. *Obstetrics and Gynecology, 98*, 685-688.
- Luke, D. A., Allen, P., Arian, G., Crawford, M., Headen, S., Spigner, C., Tassler, P., & Ureda, J. (2001). Teens' images of smoking and smokers. *Public Health Reports, 116*, 194-202.
- Crawford, M. A., Tobacco Control Network Writing Group. (2001). Cigarette smoking and adolescents: Messages they see and hear. *Public Health Reports, 116*, 203-215.
- Jacobsen, H. A., Kreuter, M W., Luke, D. A., & Caburnay, C. (2001). Seat belt use in top-grossing movies and actual U.S. rates, from 1978-1998. *American Journal of Public Health, 91*, 1395-1396.
- Luke, D. A., Stamatakis, K. A., & Brownson, R. C. (2000). State youth access tobacco control policies and youth smoking behavior in the United States. *American Journal of Preventive Medicine, 19*, 180-187.
- Herman, S. E., Frank, K. A., Mowbray, C. T., Ribisl, K. M., Davidson, W. S., BootsMiller, B., Jordan, L., Greenfield, A. L., Loveland, D., & Luke, D. A. (2000). Longitudinal effects of integrated treatment of alcohol use for persons with serious mental illness and substance use disorders. *Journal of Behavioral Health Services and Research, 27*, 286-302.
- Luke, D. A., Esmundo, E., Bloom, Y. (2000). Smoke signs: Patterns of tobacco billboard advertising in a metropolitan region. *Tobacco Control, 9*, 16-23.
- Sterling, D. A., Lewis, R. D., Luke, D. A., & Shadel, B. N. (2000). A portable X-ray fluorescence instrument for analyzing dust wipe samples for lead: Evaluation with field samples. *Environmental Research, 84*.
- Bennett, S. E., Hughes, H. M., & Luke, D. A. (2000). Heterogeneity in patterns of child sexual abuse, family functioning, and long-term adjustment. *Journal of Interpersonal Violence, 15*, 134-157.
- Mermelstein, R. & The Tobacco Control Network Writing Group. (1999). Explanations of ethnic and gender differences in youth smoking: A multi-site, qualitative investigation. *Nicotine & Tobacco Research, 1*, S91-S98.

- Medvene, L. J., Wituk, S., & Luke, D. A. (1999-2000). Characteristics of self-help group leaders: The significance of professional and founder statuses. *International Journal of Self-Help and Self-Care, 1*.
- Thom, D., Ribisl, K. M., Stewart, A. L., & Luke, D. A. (1999). Further validation and reliability testing of the Trust in Physician Scale. *Medical Care, 37*, 510-517.
- Sterling, D. A., Roegner, K. C., Lewis, R. D., & Luke, D. A. (1999). Evaluation of four sampling methods for determining exposure of children to lead-contaminated household dust. *Environmental Research, 80*, 130-141.
- Roberts, L. J., Salem, D., Rappaport, J., Toro, P., Luke, D., & Seidman, E. (1999). Giving and receiving help: Interpersonal transactions in mutual-help meetings and psychosocial adjustment of members. *American Journal of Community Psychology, 27*, 841-868.
- Mowbray, C. T., Jordan, L. C., Ribisl, K. M., Kewalramani, A., Luke, D. A., Herman, S., & Bybee, D. (1999). Analysis of postdischarge change in a dual diagnosis population. *Health and Social Work, 24*, 91-102.
- Luke, D. A., & Homan, S. M. (1998). Time and change: Using survival analysis in clinical assessment and treatment evaluation. *Psychological Assessment, 10*, 360-378.
- Hughes, H. M., & Luke, D. A. (1998). Heterogeneity in adjustment among children of battered women. In G. W. Holden, R. Geffner & E. N. Jouriles (Eds.). *Children exposed to marital violence: Theory, research, and applied issues. APA science volumes*. (pp. 185-221). Washington, DC: American Psychological Association.
- Ohar, J. A., Waller, K. S., Williams, T. J., Luke, D. A., & deMello, D. E. (1998). Computerized morphometry of the pulmonary vasculature over a range of intravascular pressures. *Anatomical Record, 252*, 92-101.
- BootsMiller, B., Davidson, W., Luke, D. A., Mowbray, C. T., Ribisl, K. M., & Herman, S. E. (1997). Social climate differences in a large psychiatric hospital: Staff and client observations. *Journal of Community Psychology, 25*, 325-336.
- Mowbray, C. T., Ribisl, K. M., Solomon, M., Luke, D. A., & Kewson, T. (1997). Exploring the characteristics of dual diagnosis: An examination of individual, social and community domains. *American Journal of Drug and Alcohol Abuse, 23*, 309-326.
- Mowbray, C. T., & Luke, D. A. (1996). Innovative methodologies for longitudinal evaluation of human service programs. *Evaluation and Program Planning, 19*, 279-285.

- Luke, D. A., Mowbray, C. T., Klump, K., Herman, S. E., & BootsMiller, B. (1996). Exploring the diversity of dual-diagnosis: Utility of cluster analysis for program planning. *Journal of Mental Health Administration, 23*, 298-316.
- Luke, D. A. (1996). The structure of American colleges: Utility of cutting-edge visualization tools for expanding cluster analysis. *1995 Proceedings of the Section on Statistical Graphics*. Alexandria, VA: American Statistical Association.
- Jordan, L. C., Luke, D. A., Mowbray, C. T., Herman, S. E., Davidson, W. S., & Conklin, C. (1996). Correlates of functioning in a population with dual-diagnosis: An examination of diagnosis and problem history. *Journal of Mental Health Administration, 23*, 260-271.
- Brownson, R. C., Mack, N. E., Meegama, N. I., Pratt, M., Brownson, C. A., Dean, C., Dabney, S., & Luke, D. A. (1996). Changes in newspaper coverage of cardiovascular health issues in conjunction with a community-based intervention. *Health Education Research, 11*, 479-486.
- Ribisl, K. M., Walton, M. A., Mowbray, C. T., Luke, D. A., Davidson, W. S., & BootsMiller, B. J. (1996). Minimizing participant attrition in panel studies through the use of effective retention and tracking strategies: Review and recommendations. *Evaluation and Program Planning, 19*, 1-25.
- Mowbray, C. T., Solomon, M., Ribisl, K. M., Ebejer, M. A., Deiz, N., Brown, W., Bandla, H., Luke, D. A., Davidson, W. S., & Herman, S. (1995). Treatment for mental illness and substance abuse in a public psychiatric hospital: Successful strategies and challenging problems. *Journal of Substance Abuse Treatment, 12*, 129-139.
- Luke, D. A. (1993). Charting the process of change: A primer on survival analysis. *American Journal of Community Psychology, 21*, 203-246.
- Luke, D. A., Roberts, L., & Rappaport, J. (1993). Individual, group context, and individual-group fit predictors of self-help group attendance. *Journal of Applied Behavioral Science, 29*, 214-236.

Reprinted in:

Powell, T. J., (Ed.). (1994). *Understanding the self-help organization: Frameworks and findings*. Thousand Oaks, CA: SAGE Publications, Inc.

Rapkin, B., & Luke, D. A. (1993). Cluster analysis in community research: Epistemology and practice. *American Journal of Community Psychology, 21*, 247-277.

Ribisl, K. M., & Luke, D. A. (1993). Social network characteristics of persons with dual diagnosis. *The Community Psychologist, 27*, 44-45.

Luke, D. A., Rappaport, J., & Seidman, E. (1991). Setting phenotypes in a mutual help organization: Expanding behavior setting theory. *American Journal of Community Psychology, 19*, 147-167.

Reprinted in:

Revenson, T. A., D'Augelli, A. R., French, S. E., Hughes, D., Livert, D., Seidman, E., Shinn, M., & Yoshikawa, H. (Eds.). (2002). *Ecological Research to Promote Social Change: Methodological Advances from Community Psychology*. New York: Plenum.

Roberts, L. J., Luke, D. A., Rappaport, J., Seidman, E., Toro, P., & Reischl, T. M. (1991). Charting uncharted terrain: A behavioral observation system for mutual help groups. *American Journal of Community Psychology, 19*, 715-737.

Toro, P. A., Reischl, T. M., Zimmerman, M. A., Rappaport, J., Seidman, E., Luke, D. A., & Roberts, L. J. (1988). Professionals in mutual help groups: Impact on social climate and members' behavior. *Journal of Consulting and Clinical Psychology, 56*, 631-632.

In preparation and under editorial review:

TECHNICAL REPORTS, BRIEF REPORTS, COMMERCIAL PRODUCTS

The Center for Tobacco Policy Research. (2003). *The Washington Profile: A review of Washington's tobacco prevention & control program*. St. Louis, MO. Available online at: <http://ctpr.slu.edu/practices.html>.

Other state evaluation reports are available for Oklahoma, Indiana, Wyoming, New York, Michigan, Pennsylvania, Mississippi, Hawaii, and Missouri. Available online at: <http://ctpr.slu.edu/practices.html>.

Laumann, G., Luke, D. A., & Stewart, M. (Eds.). (1988). *Self-help directory* (3rd ed.). Champaign, IL: Family Service of Champaign County.

Luke, D. A., & Luke, R. E. (1986). *CMS: A general-purpose clinic management system* [Computer program]. Champaign, IL.

Bradbury, T. N., & Luke, D. A. (1985). A comment on Sarason. *American Psychologist*, 40, 966-967.

INVITED PRESENTATIONS

Luke, D. A. (2014, April). *The application of social network analysis to health behavior interventions*. Invited presentation to the Workshop on Innovative Study Designs and Methods for Developing, Testing and Implementing Behavioral Interventions to Improve Health, NHLBI, Bethesda, MD.

Luke, D. A., & Hammond, R. A. (2014, February). *Modeling the effects of chronic disease policies to reduce health disparities: The Tobacco Town example*. Invited presentation to the national conference, Complex Systems, Health Disparities & Population Health: Building Bridges, Network on Inequality, Complexity & Health (NICH), Bethesda, MD.

Luke, D. A. (2013, December). *Systems science methods and tobacco control policy*. Invited presentation to the Public Workshop on Modeling and Statistical Methods in the Assessment of the Health Effects of Tobacco Products, FDA, Washington, DC.

Luke, D. A. (2013, October). *Social networks in human disease*. Invited presentation to the 2nd Annual Network Medicine training course, Harvard University, Cambridge, MA.

Luke, D. A. (2007, November). *Do warning labels work? Lessons from tobacco control*. Invited presentation to the 8th Annual NCRG Conference on Gambling and Addiction, NCRG, Las Vegas, NV.

Luke, D. A., & Mueller, N. B. (2006, June). *A sustainability model for state tobacco control: Maintaining program effectiveness in good times and bad*. Invited national netconference, Office on Smoking and Health, CDC.

Luke, D. A. (2006, March). *Inter-organizational network analysis: The utility of a systems approach to health research and practice*. Invited presentation to annual meeting of the American Academy of Health Behavior, Carmel, CA.

Luke, D. A. (2005, August). *Capturing the context of health: The utility of multilevel modeling in public health*. Invited presentation to the Behavioral Science Working Group, Centers for Disease Control & Prevention, Atlanta, GA.

Luke, D. A. (2005, June) *An Exploration Of Multilevel Models: The Good, The Bad, And The Ugly*. Invited discussant for symposium presented at the Biennial Conference of the Society for Community Research & Action, Champaign, IL.

Luke, D. A., & Mueller, N. B. (2004, June). *Evaluation of changes in tobacco control programs: Utility of a systems approach for assessing sustainability*. Plenary talk presented at the Tobacco Control Investigators Meeting: Synthesizing Research for the Public's Health, NCI, San Diego, CA.

- Luke, D. A. (2004, February) *Evaluation of effects of reduced funds*. Plenary talk presented at the Evaluation of Surveillance and Evaluation Workshop, CDC, Atlanta, GA.
- Luke, D. A. (1998, October). *Teen's Images of Smoking*. Paper presented at the 1998 National Conference on Tobacco and Health, St. Paul, MN.
- Luke, D. A. (1993, February). *Putting the elephant together: The ecology of self-help participation*. Paper presented at the Center for Self-Help Research & Knowledge Dissemination Conference on Self-Help Research, Ann Arbor, MI.

SELECTED PAPER PRESENTATIONS

- Luke, D. A., Carothers, B. J., & Harris, J. K. (2014, February). *Social network analysis as a critical tool for tobacco control evaluation*. Paper presented at the 34th Sunbelt Conference, St. Pete Beach, FL.
- Carothers, B. J., Luke, D. A., Dhand, A., Moreland-Russell, S., Sarli, C. C., & Evanoff, B. A. (2014, February). *Mapping the growth of transdisciplinary partnerships over time in a large scientific initiative*. Paper presented at the 34th Sunbelt Conference, St. Pete Beach, FL.
- Luke, D. A. (2011, May). *Network models of dissemination in public health*. Invited workshop presented at the 2011 Institute on Systems Science and Health, Pittsburgh, PA.
- Luke, D. A., Herbers, S., Wald, L., & Harris, J. K. (2011, March). *Network models of dissemination in public health*. Paper presented at the 4th Annual NIH Conference on the Science of Dissemination and Implementation, Washington, D.C.
- Schell, S., Luke, D. A., Herbers, S. (2011, March). *Sustainability assessment: A framework and measurement tool*. Poster presented at the 4th Annual NIH Conference on the Science of Dissemination and Implementation, Washington, D.C.
- Harris, J. K., Luke, D. A., Ballew, P., & Brownson (2008, January). *Are there similarities in the interorganizational network structures of state public health systems? Using network analysis to compare tobacco control programs to physical activity promotion programs*. Poster presented at the 28th annual International Sunbelt Social Network Conference, St. Pete Beach, Florida.
- Harris, J. K., Luke, D. A., & Zuckerman, R. (2007, January). *From discovery to dissemination: Using citation network analysis to examine connections between two branches of secondhand smoke research*. Poster presented at the 27th annual International Sunbelt Social Network Conference, Corfu, Greece.

- Harris, J. K., Zuckerman, R., Burke, R. C., Herbers, S. H., & Luke, D. A. (2006, November). *Where in the world are our evaluation results? Using the Web to disseminate research findings*. Poster presented at the 134th Annual Meeting of the American Public Health Association, Boston, MA.
- Luke, D. A., Harris, J. K., Mueller, N. B., Ponder, P., & Leischow, S. (2006, February). *Mapping the U.S. Department of Health and Human Services tobacco control leadership*. Paper presented at the Society for Research on Nicotine and Tobacco's 12th Annual Meeting, Orlando, FL.
- Luke, D. A., Harris, J. K., Mueller, N. B., & Burke, R. C. (2005, December). *Using network analysis to evaluate tobacco control programs*. Paper presented at the 133rd Annual Meeting of the American Public Health Association, Philadelphia, PA.
- Mueller, N. B., Boyce, J. C., Hogan-Watts, M. L., & Luke, D. A. (2005, December). *Evaluating the strength of school tobacco policies: The development of a practical rating system*. Paper presented at the 133rd Annual Meeting of the American Public Health Association, Philadelphia, PA.
- Harris, J. K., Burke, R. C., Herbers, S. H., Mueller, N. B., & Luke, D. A. (2005, December). *Examining the changes in communication networks of two state tobacco programs: A social network analysis*. Paper presented at the 133rd Annual Meeting of the American Public Health Association, Philadelphia, PA.
- Luke, D. A., Mueller, N. B., Harris, J. K., Montgomery, T. P., & Burke, R. C. (2005, March). *Using network analysis to evaluate tobacco control program systems*. Paper presented at the Society for Research on Nicotine and Tobacco's 11th Annual Meeting, Prague, Czech Republic.
- Luke, D. A., Schmitt, C., Clark, P., & Mueller, N. B. (2004, June). *The consequences of defunding state tobacco control programs: A model for data sharing*. Paper presented at the Tobacco Control Investigators Meeting: Synthesizing Research for the Public's Health, NCI, San Diego, CA.
- Krauss, M.J., Mueller, N.H., and Luke, D.A. (February 2003) *Using social network analysis to examine inter-organizational relationships in tobacco control*. Paper presented at the 17th National Conference on Chronic Disease Prevention and Control, St. Louis, MO.
- Luke, D. A., & Krauss, M. (2002, November). *Relationship between Tobacco Industry political contributions and U.S. Congressional activity*. Paper presented at the 2002 National Conference on Tobacco or Health, San Francisco, CA.

- Mueller, N., & Luke, D. A. (2002, November). *Best Practices: Current policy, evaluation, & practice*. Paper presented at the 2002 National Conference on Tobacco or Health, San Francisco, CA.
- Luke, D. A. (1999, June). *Wearing multiple hats: Statistics, public health, and community psychology*. Paper presented at the 7th Biennial Conference of the Society for Community Research and Action, New Haven, CT.
- Luke, D. A. (1998, March). *A cloudy view: Teens' images of smokers*. Paper presented at the 4th Annual Scientific Sessions of the Society for Research on Nicotine and Tobacco, New Orleans, LA.
- Esmundo, E., Luke, D. A., & Rafii, R. (1998, March). *Smoke signs: An analysis of tobacco billboard advertising*. Poster presented at the 4th Annual Scientific Sessions of the Society for Research on Nicotine and Tobacco, New Orleans, LA.
- Luke, D. A. (1997, May) *Virtual self-help: The emergence of online support groups*. Paper presented at the 5th Biennial Conference on Community Research & Action, Columbia, SC.
- Luke, D. A., Weber, D., Cromer, L. (1996, November). *Gender, race and maps: Dimensions of functional value of teen smoking*. Paper presented at the 124th Annual Meeting of the American Public Health Association, New York, NY.
- Luke, D. A., Breer, M. L., Campbell, R., Embree, M. G., Englund, S., Huber-Yoder, M. S., Lizotte, H. A. (1993, June). *Concept Mapping: Using a new technique to understand feminist issues*. Symposium presented at the 4th Biennial Conference on Community Research & Action, Williamsburg, VA.
- Klump, K., Luke, D. A., Mowbray, C. (1993, June). *Exploring diversity in a dual-diagnosis population: An example of cluster analysis*. Paper presented at the 4th Biennial Conference on Community Research & Action, Williamsburg, VA.
- Ribisl, K., Luke, D., Mowbray, C., Boots, B., Davidson, W., Dinverno, A. M., & Kewson, T. (1992, November). *Specialized dual-diagnosis treatment: Short-term evaluation findings*. Paper presented at the American Public Health Association's 120th Annual Meeting, Washington, DC.
- Luke, D. A., & Roberts, L. J. (1992, August). *A two stage model of self-help group participation*. Paper presented at the Centennial Convention of the American Psychological Association, Washington, DC.
- Mowbray, C., & Luke, D. (1992, August). *Characteristics of dually diagnosed patients in a public psychiatric hospital: Subgroup differences*. Paper presented at the Centennial Convention of the American Psychological Association, Washington, DC.
- Ribisl, K., Luke, D., Mowbray, C., Davidson, W., & Boots, B. (1992, August). *Results on the short-term effectiveness of a specialized, inpatient, treatment program for the dually diagnosed*. Paper presented at the Centennial Convention of the American Psychological Association, Washington, DC.

- Luke, D. A. (1991, June). *Measuring change in a self-help group: Outcome redefined*. Paper presented at the 3rd Biennial Conference on Community Research & Action, Tempe, AZ.
- Luke, D. A., Boots, B., Wordes, M., & Ribisl, K. (1991, June). *The social ecology of inpatient dual-diagnosis treatment settings*. Paper presented at the 3rd Biennial Conference on Community Research & Action, Tempe, AZ.
- Luke, D. A. (1991, November). *Evaluations at the cutting edge of mental health interventions: Self-help groups*. Paper presented at the American Evaluation Association Annual Meeting, Chicago, IL.
- Luke, D. A., & Stewart, M. (1989, October). *The self-help center: An innovative setting for service provision*. Paper presented at the Biennial Family Service America National Conference, Tampa, FL.
- Luke, D. A. (1989, June). *Open systems and the search for valid methods*. Paper presented at the Second Biennial Conference on Community Research & Action, East Lansing, MI.
- Luke, D. A. (1989, June). *Assessing individual change in a mutual help organization*. Paper presented at the Second Biennial Conference on Community Research & Action, East Lansing, MI.
- Luke, D. A. (1989, June). *Action anthropology and the context of community help*. Paper presented at the Second Biennial Conference on Community Research & Action, East Lansing, MI.
- Luke, D. A. (1988, July). *Cluster analysis and the formation of setting taxonomies*. Paper presented at the 21st Annual Mathematical Psychology Meeting, Evanston, IL.
- Luke, D. A. (1987, May). *The impact of organizational culture on group behavior*. Paper presented at the First Biennial Conference on Community Research and Action, Columbia, SC.
- Toro, P. A., Roberts, L. J., Luke, D. A., Rappaport, J., Seidman, E. (1986, November). *Evaluation research on mutual help groups*. Paper presented at the 20th Annual AABT Conference, Chicago, IL.
- Luke, D. A. (1985, October). *Ecologically based definitions of 'minority'*. In D. A. Luke (Chair), *Defining 'minority:' Should we accept the majority view?* Symposium conducted at the 1985 Annual Midwestern Eco-Community Conference, Gurnee, Illinois.
- Luke, D. A. (1985, August). *Computerizing the clinic: Practical, financial and ethical issues*. Paper presented at the 93rd Annual Meeting of the American Psychological Association, Los Angeles, CA.
- Luke, D. A., & Rapkin, B. (1985, August). *Behavioral differences among groups within a mutual help organization*. Paper presented at the 93rd Annual Meeting of the American Psychological Association, Los Angeles, CA.

PROFESSIONAL SERVICE

Board Memberships

Member, External Advisory Board, Center for Clinical and Translational Sciences, University of Illinois at Chicago (UIC), 2011-2020.

Board Member, St. Louis Wind Symphony, 2009-Present.

Advisory Board Memberships

Member, Evaluation Consultant Group (ECG). Division of Cancer Prevention and Control (DCPC) at the Centers for Disease Control and Prevention (CDC). 2012-2015.

Member, *Interagency Committee on Smoking and Health*, U.S. Department of Health & Human Services. 2012-2015.

Grant and Contract Proposal Reviews:

Review panel member – Gulf Research Program, National Academies of Sciences, Engineering, and Medicine, 2019.

CSR Study Section Member – *Community Influences on Health Behavior (CIHB)*. National Institute of Health, 2005-2011.

Review Panel – *ICTS Novel Methodologies and Pilot Studies Program*, Washington University Institute of Clinical and Translational Sciences, 2008.

Contract Review Panel – *National Treatment Outcomes Monitoring System*, Substance Abuse and Mental Health Services Administration, 2002.

Contract Review Panel – *National Analytic Center for the National Household Survey on Drug Abuse*, Substance Abuse and Mental Health Services Administration, 1999.

Program Project Review Panel – *Tobacco Use and Oral Cancer: Etiology and Prevention*, National Institute of Dental & Craniofacial Research, 1999.

Scientific Peer Review Panel – Small Project Special Review Committee, Agency for Health Care Policy & Research, 1998.

Editorial:

Implementation Science
American Journal of Community Psychology

Tobacco Control
American Journal of Public Health
American Journal of Evaluation
Health Education & Behavior
Preventive Medicine
Journal of Gerontology: Social Sciences
Psychological Assessment
Evaluation and Program Planning
British Journal of Social Psychology
Evaluation and Program Planning
Book reviewer for Enslow Publishers.
Student editor, *American Journal of Community Psychology* (1989)

Other Professional Service Activities:

President, Saint Louis University School of Public Health Faculty Assembly, 2006-2007.
Member, *Missouri's Comprehensive Tobacco Use Prevention Program Strategic Plan Workgroup*, 2006.
Member, Special Tobacco Program Review Panel, Pennsylvania Department of Health.
Member, Task Force on Nicotine Dependence, United HealthCare, 1999.
Member, Family Advocacy and Education Program Advisory Council, Family Service of Champaign County, 1986.
Midwest Region Student Representative, Society for Community Research & Action, 1985.

Professional Affiliations:

American Public Health Association
Society for Community Research & Action
American Statistical Association
Classification Society of North America
International Network for Social Network Analysis

COURSES TAUGHT

Washington University, 2008-2019:

Multilevel and Longitudinal Modeling
Social Network Analysis
Conceptual Foundations of Social Science Research
Theoretical Orientations in Public Health Sciences
Transdisciplinary Problem-Solving: Tobacco Control in Public Health

Saint Louis University, 1994-2008:

Principles of Biostatistics
Multilevel and Longitudinal Modeling
Analysis of Variance
Social Network Analysis
Cluster Analysis
Exploratory Data Analysis
Applied Data Management
Ph.D. Seminar in Design and Analysis

Harvard University, 2001:

Multivariate Statistical Analysis

Michigan State University, 1991-1994:

Alternative Research Methods for Social Scientists
Proseminar in Ecological Psychology
Psychological Statistics
Seminar in Mental Health Service Systems Research

University of Illinois, 1983-1990:

Advanced Quantitative Methods - Analysis of Variance
Abnormal Psychology
Programming Advanced Database Applications
Clinical Psychology
Introduction to Psychology