

William Trochim

Web Bio

Information

Biography

Biographical Statement

Prof. Trochim is one of the leading evaluation experts in the world . He has taught evaluation and research methods at both the undergraduate and graduate levels at Cornell since 1980 and has mentored over fifty Ph.D. students in evaluation. Dr. Trochim is one of the leaders in the emerging area of evaluating large research center grant initiatives, especially within the NIH and NSF research systems. Dr. Trochim also was a core member of a special NCI effort on systems thinking and modeling called the Initiative on the Study and Implementation of Systems (ISIS) project, is a co-author of a monograph on this project, and is lead author of an article on challenges of systems thinking and modeling in public health in a special issue of the American Journal of Public Health in March, 2006. In his role as Director of Evaluation for Extension and Outreach, Dr. Trochim has developed the Systems Evaluation Protocol and implemented it in over 50 education and outreach programs, including a number of NSF-funded STEM programs. It was from this work that the implications of hierarchical systems in evaluation become most apparent. In 2008 Dr. Trochim was President of the American Evaluation Association, the leading professional organization in the field of evaluation, where his focus was Evaluation Policy. He is co-editor and co-author of “Evaluation Policy and Evaluation Practice”, volume 123 of New Directions for Evaluation (2009).

Dr. Trochim received his Ph.D. from the Department of Psychology at Northwestern University in the area of Methodology and Evaluation Research. His research is in the area of applied social research methodology, with an emphasis on program planning and evaluation methods. He is known for the development of a number of methodologies in the behavioral, social and medical sciences. He has written a number of books, including several widely used introductory research methods texts, and articles that have appeared in American Journal of Evaluation, New Directions for Program Evaluation, Evaluation and Program Planning, Evaluation Review, the American Journal of Public Health, Journal of Clinical Epidemiology, Consulting and Clinical Psychology, Controlled Clinical Trials, Performance Improvement, and Medical Decision Making, among others. For 2009 he is the Past-President of the American Evaluation Association (AEA), has served multiple terms on its Board of Directors and is the Chair of the AEA Evaluation Policy Task Force. Dr. Trochim is the developer of the concept mapping methodology and software that is offered through Concept Systems Incorporated.

Prof. Trochim is the Director of Evaluation for the Weill Cornell Clinical and Translational Science Center -- a collaboration of Weill Cornell Medical College,

Memorial Sloan Kettering Cancer Center, The Hospital for Special Surgery, Hunter College and Cornell Cooperative Extension -- and participates actively in the NIH Clinical and Translational Science Awards national evaluation. He is developing evaluation systems for the HIV/AIDS Clinical Trials Networks of the Division of AIDS (DAIDS) of the National Institute of Allergies and Infectious Diseases (NIAID). He is actively engaged in research with the National Science Foundation incorporating systems approaches in the evaluation of Science, Technology, Engineering and Mathematics (STEM) education programs. And, as Director of Evaluation for Extension and Outreach, Prof. Trochim works with Cornell University Cooperative Extension programs throughout New York State on planning and implementing evaluation systems for their outreach and education programs.

Professional

Current Professional Activities

Member, American Evaluation Association's Evaluation Policy Task Force

2011-present Executive Committee, National Academies Summer Institutes (NASI) on Undergraduate Education in Biology, Howard Hughes Medical Institute

2011-present External Advisory Board, Clinical and Translational Science Institute (CTSI), NIH Clinical and Translational Science Award (CTSA), University of Minnesota

2011-present External Advisory Board, Institute for Clinical and Translational Science (ICTS), NIH Clinical and Translational Science Award (CTSA), University of California, Irvine

2010-present External Advisory Board, Institute for Clinical and Translational Research (ICTR), NIH Clinical and Translational Science Award (CTSA), University of Wisconsin School of Medicine and Public Health

2009-present External Advisory Board, Clinical and Translational Science (NUCATS) Institute, NIH Clinical and Translational Science Award (CTSA), Northwestern University Medical School

Research

Current Research Activities

NIH/NIDA. A Collaborative Systems Approach for the Diffusion of Evidence-Based Prevention. NIH Grant #: R01 DA023437-01 (Dr. Gil Botvin, P.I.) 9/30/2008 - 12/31/2014 (Trochim subcontract for research methodology, \$224,064).

National Science Foundation. A Phase II Trial of the Systems Evaluation Protocol for Assessing and Improving STEM Education Evaluation. DRL. NSF Grant #0814364. Principal Investigator. 8/15/2008 – 7/31/2013, \$2,528,216.

NIH/ NCCR. Institutional Clinical and Translational Science Award (U54). NIH Grant #: 1 UL1 RR024996-01 (Imperato-McGinley, P.I.). 09/17/07-5/31/12, \$49,000,000 (Trochim subcontract for evaluation, \$2,268,197).

Extension

Current Extension Activities

Director of Evaluation for Extension and Outreach

The ultimate objectives are to increase the quality of program evaluation, the shared understanding of programs, and the quality of the programs themselves. An additional outcome is improved ability to plan and seek funding for programs.

Through this work he has developed the Systems Evaluation Protocol and implemented it in over 100 education and outreach programs. It was from this work that the implications of hierarchical systems in evaluation become most apparent, and current and future work will address sustainable evaluation.

Education

Education

1977-1980 Ph.D. Methodology and Evaluation Research
Division of Methodology and Evaluation Research
Department of Psychology
Northwestern University
Evanston, Illinois

1973-1975 M.A. with Honors, General Experimental Psychology
Department of Psychology
Southern Connecticut University
New Haven, Connecticut

1970-1973 B.A. Psychology
Loyola University (Mundelein College)
Chicago, Illinois

Courses

Websites

Related Websites

Cornell Office for Research on Evaluation: Our website (<http://core.human.cornell.edu>) provides a range of general resources and links useful for evaluation work in general, and situates the Evaluation Partnership work with CCE within the larger body of research on a systems approach to evaluation that we are engaged in. Our annual presentations at the American

Evaluation Association meetings, along with other research information are linked here.

Social Research Methods: <http://socialresearchmethods.net/>

Administration

Administrative Responsibilities

- Professor in Policy Analysis and Management at Cornell University;
- Professor, Department of Public Health, Weill Cornell Medical College;
- Director of the Cornell Office for Research on Evaluation (CORE);
- Director of Evaluation for Extension and Outreach at Cornell; and
- Director of Evaluation of the NIH Weill Cornell Clinical and Translational Science Center.

Publications

Selected Publications

Complete Bibliography at

<http://www.socialresearchmethods.net/research/research.htm>

Rubio, D., Sufian, M., Frechtling, J.A., Trochim, W. (in press). Strategies for a National Evaluation of the Clinical and Translational Science Award, *Clinical and Translational Sciences*.

Dilts, D., Rosenblum, D., and Trochim, W. (2012). A Virtual National Laboratory for Reengineering Clinical Translational Science, *Science Translational Medicine*, 4, 18, 1-4.

Kane, C. and Trochim, W.. (2011). The End of the Beginning: A Commentary on 'Evaluation Metrics for Biostatistical and Epidemiological Collaborations'. *Statistics in Medicine*, 30, 2778–2782

Trochim, W., Kane, C., Graham, M., and Pincus, H. (2011). Evaluating Translational Research: A Process Marker Model. *Clinical and Translational Sciences* 4, 153-162

Falk-Krzesinski, H.J., Contractor, N., Fiore, S.M., Hall, K.L., Kane, C., Keyton, J., Klein, J., Spring, B., Stokols, D., and Trochim, W. (2011). Mapping a Research Agenda for the Science of Team Science. *Research Evaluation* 20, 143-156.

Behfar, K. J., Mannix, E. A., Peterson, R. S., & Trochim, W. M. (2011). Conflict in Small Groups: The Meaning and Consequences of Process Conflict. *Small Group Research*, 42(2), 127-176.

Rosas, S.R., Kagan, J.M., Schouten, J.T., Slack, P.A., and Trochim, W.M. (2011). Evaluating Research and Impact: A Bibliometric Analysis of Research by the NIH/NIAID HIV/AIDS Clinical Trial Networks. *PLoS ONE* 6, e17428. doi:17410.11371/journal.pone.0017428.

Börner, K., Contractor, N., Falk-Krzesinski, H.J., Fiore, S.M., Hall, K.L., Keyton, J.,

Spring, B., Stokols, D., Trochim, W., and Uzzi, B. (2010). A Multi-Level Systems Perspective for the Science of Team Science. *Science Translational Medicine* 2, cm24.

Kagan, J. M., Rosas, S. R., & Trochim, W. (2010). Integrating utilization-focused evaluation with business process modeling for clinical research improvement. *Research Evaluation*, 19(4), 239–250.

Falk-Krzesinski, H. J., Börner, K., Contractor, N., Cummings, J. N., Fiore, S. M., Hall, K. L., Keyton, J., Spring, B., Stokols, D., Trochim, W., and Uzzi, B. (2010). Advancing the Science of Team Science. *Clinical and Translational Sciences*, 3, 5, 263-266.

Börner, K., Contractor, N., Falk-Krzesinski, H., Fiore, S.M., Hall, K., Keyton, J., Spring, B., Stokols, D., Trochim, W., and Uzzi, B., A Multi-Level Systems Perspective for the Science of Team Science, *Sci Transl Med*, 15 September 2010: Vol. 2, Issue 49, p. 49cm24.

Cappelleri, JC, Trochim WMK, (2010), "Cutoff Designs." In: Chow S-C (editor), *Encyclopedia of Biopharmaceutical Statistics: 3rd Edition, Revised and Expanded*. New York, NY: Informa Healthcare; 2010: 386-391.

Urban, J. B., & Trochim, W. (2009). The Role of Evaluation in Research-Practice Integration: Working Toward the "Golden Spike". *American Journal of Evaluation*, 30(4), 538-553. [\[paper\]](#)

Trochim, W. M., Mark, M. M., & Cooksy, L. J. (Eds.). (2009). *Evaluation Policy and Evaluation Practice*. Hoboken, NJ: Jossey Bass. [\[paper\]](#)

Mark, M. M., Cooksy, L. J., & Trochim, W. M. (2009). Evaluation Policy: An Introduction and Overview. *New Directions for Evaluation*, 123, 3-12.

Trochim, W. M. (2009). Evaluation Policy and Evaluation Practice. *New Directions for Evaluation*, 123, 13-32. [\[book\]](#)

Cooksy, L. J., Mark, M. M., & Trochim, W. M. (2009). Evaluation Policy and Evaluation Practice: Where Do We Go From Here? *New Directions for Evaluation*, 123, 103-110. [\[paper\]](#)

Kagan JM, Kane M, Quinlan KM, Rosas S, Trochim WM. (2009). Developing a conceptual framework for an evaluation system for the NIAID HIV/AIDS clinical trials networks. *Health Research Policy and Systems*, 7:12. [\[paper\]](#)

Quinlan, K. M., Kane, M., & Trochim, W. (2008). Evaluation of large research initiatives: Outcomes, challenges, and methodological considerations. *New Directions for Evaluation*, 118, 61-72. [\[book\]](#)

Leischow, S. J., Best, A., Trochim, W. M., Clark, P. I., Gallagher, R. S., Marcus, S. E., Matthews, E. (2008). Systems Thinking to Improve the Public's Health. *American Journal of Preventive Medicine*, 35(2, Supplement 1), S196-S203. [\[paper\]](#)

Best, A., Trochim, W., Haggerty, J., Moor, G., & Norman, C. (2008). Systems Thinking for Knowledge Integration: New Models for Policy-Research Collaboration. In L. McKee, E. Ferlie & P. Hyde (Eds.), *Organizing and Reorganizing: Power and Change in Health Care Organizations* (pp. 154-166). New York, NY: Palgrave Macmillan. [\[book\]](#)

Trochim, W., Marcus, S.E., Mâsse, L.C., Moser, R.P., Weld, P. (2008). The Evaluation of Large Research Initiatives: A Participatory Integrative Mixed-Methods Approach, *American Journal of Evaluation*, 29, 1, 8-28.