

Curriculum Vitae (Abridged) - Joel B. Greenhouse
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EDUCATION:

University of Michigan: Ph.D., Biostatistics (1983); A.M, Statistics (1980); MPH, Biostatistics (1977).
University of Maryland: B.S., Mathematics, (1975).

ACADEMIC & ADMINISTRATIVE APPOINTMENTS:

Carnegie Mellon: COLLEGE OF HUMANITIES AND SOCIAL SCIENCES: Associate Dean (1997-2002)
DEPARTMENT OF STATISTICS: Professor (1995-), Associate (1989-1995), Assistant (1984-1989),
Post Doctoral Fellow (1983-1986);
Director, Masters Program in Statistical Practice (2008-); *Associate Head* (1994-1997).
University of Pittsburgh: Adjunct Professor of Psychiatry (1996-) and Epidemiology (2000-)

Professional Experience (Selected)

EDITORIAL: Editor, *Statistics in Medicine*, 2002-present, Deputy Editor, 1994-2001;
Editor, *IMS Lecture Notes-Monograph Series*, Institute of Mathematical Statistics, 1999-present;
Associate Editor: Book Reviews, *Journal of the American Statistical Association*, 1987-1993.

NATIONAL RESEARCH COUNCIL: *Committee on National Statistics*, 1991-1997; *Committee on the Assessment of Family Violence Interventions*, 1995-1997; Panel on the *The Combination of Information*, 1990-1992.

DATA MONITORING COMMITTEES: *Prostate Cancer Intervention Versus Observation Trial (PIVOT)*, VA Co-operative Study, 1994-; *Photodynamic Therapy for Treatment of Malignant Supratentorial Brain Tumors*, Karmanos Cancer Center, Detroit, MI. 2000- 2003; *Prophylactic Cognitive Therapy for Depression*, Chair, NIMH multi-site study, 2001-2006.

SCIENTIFIC ADVISORY PANELS: *What Works Clearinghouse (WWC)*, US Department of Education, 2008; *TADS (Treatment of Adolescent Depression Study)*, NIMH, 1999-2004; *REACH I & II (Resources for Enhancing Alzheimer's Caregiver Health) Collaborative Study*, NIH, 1996-2004; *NIH Technology Assessment Conference on Gaucher Disease: Current Issues in Diagnosis and Treatment*, Feb 1995; *Workshop Mathematics: Using New Pedagogy and Computers in Introductory Mathematics and Statistics Courses*, FIPSE, Dickinson College, 1991-1994.

INTERNATIONAL BIOMETRIC SOCIETY (IBS): Eastern North American Region(ENAR): *President*, 1998;
Chair, IBS Education Committee 2000-2002

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, Section U (Statistics):
Chair (2010), *Chair-elect* (2009); *Nominating Committee* 2002-2006 (Chair, 2004);
Member-at-Large 2003-2007

Awards and Honors

TEACHING AWARDS:

CARNEGIE MELLON: William H. and Francis S. Ryan Teaching Award for Effectiveness in Teaching Undergraduate Students (1987); E. D. Smith Award for Distinguished Teaching and Educational Service, College of Humanities and Social Sciences (1987)

ELECTED: International Statistical Institute (1992); *Fellow*, American Statistical Association (1994); *Fellow*, American Association for the Advancement of Science (1996)

Selected Publications

Books

Committee on the Assessment of Family Violence Interventions, *Violence in Families: Assessing Prevention and Treatment Programs. A Report of the National Research Council/Institute of Medicine*, 1998. Rosemary Chalk and Patricia King, editors. Washington, D.C.: National Academy Press.

Lange, N.; Ryan, L.; Billard, L.; Brillinger, D.; Conquest, L.; and GREENHOUSE, J (editors). *Case Studies in Biometry*, 1994, New York: John Wiley & Sons.

Gaver, DP; Draper, D.; Goel, PK; GREENHOUSE, JB; Hedges, LV; Morris, CN and Waternaux, C. *Combining Information: Statistical Issues and Opportunities for Research*. 1992, Washington, D.C.: National Academy Press.

Chapters and Encyclopedia Articles

Greenhouse JB, Anderson H, Bridge JA, Libby A, Valuck R, and Kelleher KJ. Combining information from multiple data sources for comparative effectiveness research: An introduction to cross-design synthesis with a case study. To appear in *Quantitative Methods for Comparative Effectiveness Research*.

GREENHOUSE, J and Iyengar, S (2009). "Sensitivity analysis and diagnostics" in *The Handbook of Research Synthesis, 2nd ed.*, H.M. Cooper and L. Hedges, editors. Russell Sage Foundation, New York.

GREENHOUSE, J (2001) Meta-Analysis: In Practice, in *International Encyclopedia of the Social and Behavioral Sciences*, Neil Smelser and Paul Baltes (editors), Elsevier, 9713-9717.

Invited Discussions

GREENHOUSE JB (2009). Commentary: Cornfield, Epidemiology, and Causality. *International Journal of Epidemiology*, 38(5):1199-1201.

GREENHOUSE JB and Kelleher KJ (2005). Thinking outside the (black) box: Antidepressants, suicidality, and research synthesis. *Pediatrics*, 116:231-233.

GREENHOUSE, J (1991). "Parapsychology: On the margins of science?" Invited comment on "Replication and meta-analysis in parapsychology" by Jessica Utts. *Statistical Science*, 6:363-403.

Kass, R. and GREENHOUSE, J (1989). Comment on "Investigating therapies of potentially great benefit: ECMO" by J. Ware, *Statistical Science*, 4:31-37.

Articles

GREENHOUSE JB (2012). On becoming a Bayesian: Early correspondences between J. Cornfield and L.J. Savage. *Statistics in Medicine*, 31(24):2782-2790. DOI: 10.1002/sim.5604.

Klein GR, GREENHOUSE JB, Stein BD, Seltman HJ (2011). Characterizing Patterns of Care Using Administrative Claims Data: ADHD Treatment in Children. *Health Services and Outcomes Research Methodology*, 113(3):115-133; DOI:10.1007/s10742-011-0076-4.

- Bridge JA, GREENHOUSE JB, Weldon AH, Campo JV, Kelleher KJ (2008). Suicide Trends Among Youths Aged 10-19 Years in the United States, 1996-2005. *Journal of the American Medical Association*, 300(9):1025-1026.
- GREENHOUSE JB, Kaizar EE, Kelleher K, Seltman H, Gardner W (2008). Generalizing from clinical trial data: A case study. The risk of suicidality among pediatric antidepressant users. *Statistics in Medicine*, 27(11):1801-1813.
- Kaizar, EE, GREENHOUSE JB, Seltman H, Kelleher K (2006). Do antidepressants cause suicidality in children? A Bayesian meta-analysis (with discussion). *Clinical Trials: Journal of the Society for Clinical Trials*, 3(2):73-98.
- GREENHOUSE JB and Seltman H (2005). Using Prior Distributions to Synthesize Historical Evidence: Comments on the Goodman-Sladky Case Study of IVIg in Guillan-Barré Syndrome. *Clinical Trials: Journal of the Society for Clinical Trials*, 2:311-318.
- Erosheva, E.A., Kroboth, P.D., GREENHOUSE, J.B. (2002). Characterizing the Diurnal Rhythm of DHEA, *American Statistician*, 56:273-283.
- Seltman, H., GREENHOUSE J and Wasserman L(2001). Bayesian model selection: Analysis of a survival model with a surviving fraction, *Statistics in Medicine*, 20:1681-1691.
- Lovett M, and GREENHOUSE J (2000). Applying cognitive theory to statistics instruction, *American Statistician*, 54:196-206.
- Lynch K, GREENHOUSE J and Brandstrom A (1998). Biometric modelling in the study of infant mortality: Evidence from nineteenth-century Sweden, *Historical Methods: A Journal of Quantitative and Interdisciplinary History*, 31:53-64.
- GREENHOUSE J, and Wasserman L (1995). Robust Bayesian analysis of clinical trials, *Statistics in Medicine*, 14:1379-1391.
- Kamlet MS, Paul N, GREENHOUSE JB, Kupfer DJ, Frank E, and Wade M (1995). Cost-utility analysis of maintenance treatment for recurrent depression, *Controlled Clinical Trials: Design, Methods, and Analysis*, 16:17-40.
- Gatsonis C, and GREENHOUSE J (1992). Bayesian methods for phase I clinical trials, *Statistics in Medicine*, 11:1377-1389.
- GREENHOUSE J (1992). On some applications of Bayesian methods in cancer clinical trials, *Statistics in Medicine*, 11:37-53.
- GREENHOUSE J, Stangl D, Kupfer D and Prien R (1991). Methodological issues in maintenance therapy clinical trials, *Archives of General Psychiatry*, 48:313-318.
- Iyengar S and GREENHOUSE J (1988). Selection Models and The File-Drawer Problem (with discussion), *Statistical Science*, 3, 109-135.
- Fuchs C and GREENHOUSE J (1988). The EM Algorithm for Maximum Likelihood Estimation in the Mover-Stayer Model, *Biometrics*, 2, 605-613.
- GREENHOUSE J, Kass R, and Tsay R (1987). Fitting Nonlinear Models with ARMA Errors to Biological Rhythm Data, *Statistics in Medicine*, 55:2, 239-244.