

Eloise E. Kaizar

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Education	Carnegie Mellon University , Pittsburgh, PA PhD, Statistics, August 2006 Dissertation: "Combining Information from Diverse Sources" Advisers: Joel Greenhouse and Howard Seltman M.S., Statistics, December 2002 University of Pittsburgh , Pittsburgh, PA B.S., Chemistry, May 1998 B.A., Classics, May 1998	
Professional Experience	The Ohio State University , Columbus, OH <i>Associate Professor</i> <i>Assistant Professor</i>	2011-present 2006-2011
	Carnegie Mellon University , Pittsburgh, PA <i>Teaching Assistant, Various Courses</i> <i>Statistics Undergraduate Research Experience</i>	August 2001 - December 2005 Summer 2002, 2003
	University of Pittsburgh Epidemiology Data Center , Pittsburgh, PA <i>Graduate Student Researcher</i>	Summer 2004
Professional Memberships	American Statistical Association Institute of Mathematical Statistics International Society of Bayesian Analysis	
Grants and Awards	<ol style="list-style-type: none">1. <i>Student Travel Award</i> (2005), Society for Clinical Trials.2. <i>Student Travel Award</i> (2005), ASA Health Policy Statistics Section.3. <i>Cross Design Synthesis: Combining evidence about antidepressants and suicidality</i> (2006-2011), NIMH Grant, PI: K Kelleher, Nationwide Children's Hospital; Co-Investigator.4. <i>Pharmaceutical safety tracking (PhaST): managing medications to improve patient safety</i> (2007-2010), NIH Grant, PI: W Gardner, Nationwide Children's Hospital; Co-Investigator.5. <i>Precise Conditions for Permutation Tests to Control Multiple Testing Error Rates</i> (2010-2012), NSF Grant, Co-PI: J Hsu, OSU; Co-PI.6. <i>Teen Options to Prevent Pregnancy (TOPP)</i> (2010-2015), Administration for Children and Families Grant, PI: Blackburn and Litts, OhioHealth, Co-Investigator: Jack Stevens, Nationwide Children's Hospital; Co-Investigator.7. <i>Analytic Methods for PCOR: Cross Design Synthesis and Treatment Heterogeneity</i> (pending), Patient-Centered Outcomes Research Institute. PI: Kelly Kelleher, Nationwide Children's Hospital; Co-Investigator.8. <i>Permutation Tests for Predictive Biomarkers in Randomized Clinical Trials</i> (pending), NSF. PI. Co-PI: Jason Hsu.	

Publications

1. **Kaizar EE**. 2005. Metaanalyses Are Observational Studies: How Lack of Randomization Impacts Analysis, Editorial. *American Journal of Gastroenterology* 100(6):1233-1236.
2. **Kaizar EE**, Greenhouse J, Seltman H, Kelleher K. 2006. Do Antidepressants Cause Suicidality in Children? A Bayesian Meta-Analysis. *Clinical Trials* 3(2):73-90.
3. **Kaizar EE**, Chisholm D, Seltman H, Greenhouse J, Kelleher KJ. 2006. The Role of Care Location in Diagnosis and Treatment of Pediatric Psychosocial Conditions. *The Journal of Developmental and Behavioral Pediatrics* 27(3):219-225.
4. Olson MB, Shaw LJ, **Kaizar EE**, Kelsey SF, Bittner V, Reis SE, Smith K, Braunstein GD, Berga SL, Johnson BD, Bairey-Merz N. 2006. Obesity Distribution and Reproductive Hormone Levels in Women: A Report from the NHLBI-sponsored WISE Study. *The Journal of Women's Health* 15(7):836-842.
5. Stevens J, Kelleher K, Greenhouse J, Chen G, Xiang H, **Kaizar EE**, Jensen PS, Arnold LE. 2007. Empirical Evaluation of the Generalizability of the Sample From the Multimodal Treatment Study for ADHD. *Administration and Policy in Mental Health* 34(3):221-232.
6. O'Brien SH, **Kaizar EE**, Gold MA, Kelleher KJ. 2008. Trends in Prescribing Patterns of Hormonal Contraceptives for Adolescents. *Contraception* 77(4):264-269.
7. Greenhouse J, **Kaizar EE**, Seltman H, Kelleher K, Gardner, W. 2008. Generalizing from Clinical Trial Data: A Case Study. The Risk of Suicidality Among Pediatric Antidepressant Users. *Statistics in Medicine* 27(11):1801-13.
8. **Kaizar EE**, Fienberg SE, Seltman H, Stern S. 2009. Who Are Connected to the Pittsburgh Jewish Community. *Contemporary Jewry* 29:301-316.
9. Weltman B, Vig K, Shanker S, Fields HW, **Kaizar EE**. 2010. Root Resorption Associated with Orthodontic Tooth Movement: A Systematic Review. *American Journal of Orthodontics & Dentofacial Orthopedics* 137(4):462-76.
10. **Kaizar EE**, Li Y, Hsu JC. 2011. Permutation Multiple Tests of Binary Features Do Not Uniformly Control Error Rates. *Journal of the American Statistical Association*. 106(495):1067-1074.
11. **Kaizar EE**. 2011. Estimating Treatment Effect via Simple Cross Design Synthesis. *Statistics in Medicine*. 30(25):2986-3009.
12. Yeates KO, **Kaizar EE**, Rusin J, Bangert B, Dietrich A, Nuss K, Wright M, Taylor HG. 2012. Reliable Change in Post-Concussive Symptoms and its Functional Consequences Among Children with Mild Traumatic Brain Injury. *Archives of Pediatrics & Adolescent Medicine*. 166(7):615-622.
13. Bhaumik DK, Amatya A, Normand SL, Greenhouse J, **Kaizar E**, Neelon B, Gibbons RD. 2012. Meta-Analysis of Rare Binary Adverse Event Data. *Journal of the American Statistical Association*. 107(498):555-567.
14. Scribano PV, Stevens J, **Kaizar EE**, for the NFP-IPV Research Team. To Appear. The Effects of Intimate Partner Violence Before, During, and After Pregnancy in Nurse Visited First Time Mothers. *Maternal Child Health Journal*.

Papers
Under Revision

1. Pressler T, **Kaizar EE**. The Use of Propensity Scores to Estimate Randomized Controlled Trial Generalizability Bias using Observational Data. Under revision for *Statistics in Medicine*.

Book Review

1. **Kaizar EE**. 2009. Book Review of: Böhning, D., Kuhnert, R. and Rattanasiri, S. Meta-Analysis of Binary Data Using Profile Likelihood. *Biometrics*. 65:666-667.

Abstracts

1. Johnson BD, Merz CNB, **Kaizar EE**, Stanczyk FZ, Bittner V, Berga SL, Braunstein GD, Sharaf BL, Azziz R, Hodgson TK, Pepine CJ, Kelsey SF, von Mering GO, Sopko G. 2006. Testosterone, estrogen, and coronary function in women: A report from the NHLBI-sponsored Women's Ischemia Syndrome Evaluation (WISE) study. *Journal of the American College Of Cardiology*. 47(4):366A.
2. Merz CB, Johnson BD, Kaizar EE, Stanzyk F, Sharaf B, Bittner V, Berga SL, Braunstein GD, Azziz R, Hodgson TK, Pepine CJ, Kelsey SF, Sopko G. 2005. Endogenous androgens and coronary artery disease in women: A report from the NHLBI-sponsored WISE study. *Circulation*. 112(17):U690.
3. Pearson GD, Splaingard D, **Kaizar E**, Spalingard ML. 2008. Use of Polysomnography (PSG) in Management of Newborns with Pierre Robin Sequence (PR) and Obstructive Sleep Apnea (OSA) with Mandibular Distraction (MD). *Sleep*. 31:A71.

Invited Presentations

1. *Combining Information: Heterogeneity in Research Synthesis*. Statistics and Biostatistics Seminar, The Ohio State University, Columbus, OH. February, 2006.
2. *Discussion of "Trends in Urinary Metabolites of Organophosphate and Pyrethroids Pesticides Measured in a Longitudinal Birth Cohort," presented by Marcia Nishioka*. Environmental Exposure and Health Data Seminar (Discussant) Ohio State University, Columbus, OH. March, 2007.
3. *Research Synthesis with Sparse Data*. Seminars on Statistics in Marketing and Psychology, Ohio State University, Columbus, OH. June, 2007.
4. *Bayesian Approaches to Combining Rare Event Evidence*. Drug Information Association Annual Meeting, Atlanta, GA. June, 2007.
5. *Combining Information from Randomized and Observational Data: A Simulation Study*. SAMSI Summer Program on Meta-analysis, Research Triangle Park, NC. June, 2008.
6. *How to use a statistics service*. The Research Institute at Nationwide Children's Hospital, Columbus, OH. July, 2008.
7. *Generalizing Data from Randomized Trials*. ENAR, San Antonio, TX. March, 2009.
8. *Make No Mistake: Stepwise Multivariate Permutation Tests May Not Control Multiple Testing Error Rates*. International Chinese Statistical Association Applied Statistics Symposium, Indianapolis, IN. June, 2010.
9. *Quantifying and Correcting Generalization Bias*. Penn State University Statistics Department Colloquium, State College, PA. September, 2010.
10. *Quantifying and Correcting Generalization Bias in Safety Assessment*. FDA/Industry Statistics Workshop, Washington, DC. September, 2010.
11. *Quantifying and Correcting Generalization Bias*. University of Pennsylvania Biostatistics Seminar Series, Philadelphia, PA. December, 2010.
12. *Quantifying and Correcting Generalization Bias*. New York Psychiatric Institute Division of Biostatistics Seminar Series, New York, NY. March, 2011
13. *Quantifying and Correcting Generalization Bias*. Ohio State University Initiative in Population Research Methodology Seminar Series, Columbus, OH. April, 2011.
14. *Permutation Multiple Tests of Binary Features May Not Control Error Rates*. Joint Statistical Meetings, Miami Beach, FL. August, 2011.
15. *What to shrink? Random Effects in Discrete Data Meta-Analysis*. International Conference on Health Policy Statistics, Cleveland, OH. October, 2011.

Contributed Presentations

1. *Who is Connected to the Pittsburgh Jewish Community?* Joint Statistical Meetings, Toronto, Ontario, Canada. August, 2004.
2. *Do Antidepressants Cause Suicide in Children? A Bayesian Meta-Analysis* Eastern North American Region of the International Biometrics Association, Austin, TX. March, 2005.
3. *Do Antidepressants Cause Suicide in Children? A Bayesian Meta-Analysis* Society for Clinical Trials Annual Meeting, Portland, OR. May, 2005.
4. *Do Antidepressants Cause Suicide in Children? A Bayesian Meta-Analysis* Joint Statistical Meetings, Minneapolis, MN. August, 2005.
5. *Combining Information from Randomized and Observational Data: A Simulation Study.* ENAR, Atlanta, GA. March, 2007.
6. *Bayesian Models For The Meta-Analysis of Sparse Tables.* JSM, Denver, CO. August, 2008.
7. *Discussion of "Henmi, M. and Copas, J. B. (2010), Confidence intervals for random effects meta-analysis and robustness to publication bias."*, Observational Data Reading Group. Ohio State University, Columbus, OH. January, 2011.
8. *Permutation Multiple Tests of Binary Features Are Not Guaranteed to Control Error Rates.* Conference on Multiple Comparisons Procedures, Washington, DC. August, 2011.

Professional Service**Committee Memberships**

ASA Survey Review Committee (2008 - present)

Referee for Journals

American Journal of Evaluation (1)
 American Journal of Gastroenterology (5)
 Annals of Applied Statistics (1)
 Biometrical Journal (1)
 Biometrics (2)
 Clinical Trials (2)
 Communications in Statistics - Theory and Methods (2)
 Journal of Biopharmaceutical Statistics (1)
 Journal of the American Statistics Association (2)
 Journal of the Royal Statistical Society, Series A (1)
 Statistical Applications in Genetics and Molecular Biology (1)
 Statistics in Medicine (7)
 Statistics and Probability Letters (1)

Teaching**Carnegie Mellon University, Pittsburgh, PA**

Introduction to SAS Workshop July 15, 2002
Carnegie Mellon Statistics Undergraduate Research Experience Summer 2002, 2003
Sampling, Survey and Society Spring 2006

The Ohio State University, Columbus, OH

651: *Survey Sampling Methods* Winter 2007
 882: *Missing Data* Spring 2007
 528: *Data Analysis I* Winter 2008
 665: *Discrete Data Analysis* Spring 2008
Health Survey Methods, 2008 Summer Program in Applied Biostatistical and Epidemiological Methods (SPABEM) June 16-20, 2008
 528: *Data Analysis I* Autumn 2008
 651: *Survey Sampling Methods* Winter 2009

<i>428: Introduction to Probability and Statistics II</i>	Spring 2009
<i>652: Applied Statistical Analysis with Missing Data</i>	Autumn 2009
<i>665: Discrete Data Analysis</i>	Spring 2010
<i>528: Data Analysis I</i>	Autumn 2010
<i>651: Survey Sampling Methods</i>	Winter 2011
<i>665: Discrete Data Analysis</i>	Spring 2011
<i>528: Data Analysis I</i>	Autumn 2011
<i>652: Applied Statistical Analysis with Missing Data</i>	Autumn 2011
<i>665: Discrete Data Analysis</i>	Spring 2012
<i>428: Introduction to Probability and Statistics II</i>	Spring 2012 Autumn 2012
<i>6510: Survey Sampling Methods</i>	Autumn 2011
<i>6801: Statistical Theory I</i>	