

CURRICULUM VITA: MICHAEL R. ELLIOTT

Office:

Department of Biostatistics
University of Michigan School of Public Health
M4124 SPH II
1415 Washington Heights
Ann Arbor, MI 48109
phone: (734) 647-5160
fax: (734) 763-2215

Home:

2370 Georgetown Road
Ann Arbor, MI 48105
(734) 972-6743

Survey Methodology Program
University of Michigan Institute for Social Research
Rm 4068, 426 Thompson St.
Ann Arbor, MI 48106
phone: (734) 647-5563
fax: (734) 764-8263

email: mrelliot@umich.edu

website: <https://sph.umich.edu/faculty-profiles/elliott-michael>

EDUCATION

Ph.D.	Biostatistics	University of Michigan	1999
M.S.	Biostatistics	University of Michigan	1997
B.A.	Mathematics	University of Chicago	1985

POSITIONS

2018-present	Associate Chair for Academic Affairs, Department of Biostatistics, University of Michigan School of Public Health, Ann Arbor, MI
2005-present	Professor (Assistant Professor 2005-2008, Associate Professor 2008-2012), Department of Biostatistics, University of Michigan School of Public Health, Ann Arbor, MI
2005-present	Research Professor (Assistant Research Professor 2005-2008, Associate Research Professor 2008-2012), Survey Methodology Program, Survey Research Center, Institute for Social Research, Ann Arbor, MI
2000-2005	Assistant Professor of Biostatistics, Clinical-Educator, Center for Clinical Epidemiology and Biostatistics, Department of Biostatistics and Epidemiology, University of Pennsylvania School of Medicine, Philadelphia, PA
1995-1999	Research Assistant Department of Biostatistics, University of Michigan, Ann Arbor, MI University of Michigan Transportation Research Institute, Ann Arbor, MI

- 1988-1995 Senior Research Associate
Northeast Research, Orono, ME
- 1987-1988 High School Teacher
Hyde School, Bath, ME
- 1985-1987 Technical Writer
Bell Laboratories, North Andover, MA

Visiting Positions

- 2012 Visiting Fellow
Department of Statistics, London School of Economics
London, UK
- 2000 Visiting Professor of Biostatistics
Department of Biostatistics, University of Michigan School of Public
Health, Ann Arbor, MI
- 2000 Visiting Research Scientist
University of Michigan Transportation Research Institute, Ann Arbor, MI

AFFILIATIONS

- 2016-present Associate Fellow, Center for Injury Research and Prevention, Children's
Hospital of Philadelphia
- 2011-2017 University of Michigan Injury Research Center
- 2010-2017 University of Michigan Cancer Center
- 2005-present Population Study Center Research Affiliate, Institute for Social Research, Ann
Arbor, MI
- 2005-present Adjunct Professor (Adjunct Assistant Professor 2005-2008; Adjunct Associate
Professor 2008-2016) Department of Biostatistics and Epidemiology, University
of Pennsylvania School of Medicine, Philadelphia, PA

ACADEMIC HONORS

- 2017: Winner, Survey Methods Section SPEED poster competition, 2017 Joint Statistical
Meetings
- 2011: Elected Fellow, American Statistical Association
- 2010: Washington D.C. Statistical Society Gertrude M. Cox Award
- 2002, 2007: University of Michigan Transportation Research Institute Best Publication Award

2006: Elected Member of the International Statistical Institute

2001: Travel Award Winner, Wayne Fuller 70th Birthday Conference, Iowa State University Department of Statistics.

1999-2000: Rackham Predoctoral Fellowship, University of Michigan.

1996-1998: National Mental Health Institute Pre-doctoral Training Grantee.

1996: Outstanding Achievement in First Year Master's Program, Department of Biostatistics, University of Michigan.

1985: Conferred Cum Laude University of Chicago.

1981-1985: University of Chicago's Dean's List.

GRANTS

Current

Co-Investigator, *Determining critical skill deficits that predict novice driver crashes: A prospective study using a novel virtual driving test at point of licensure, state licensing data and crash outcomes*, (5/1/19-4/30/22), National Institutes of Health (8% support).

Co-Investigator, *Improving Reproducibility of Respondent Driven Sampling through Adaptive Design*, (9/1/18-8/31/21), National Institute on Drug Abuse (5% support).

Co-Investigator, *Racial inequalities in health throughout adulthood: The cumulative impact of neighborhood chemical and non-chemical stressors on epigenomic pathways* (PI: William Axinn, 7/1/20-6/30-23), National Institute of Minority and Health Disparities (5% support)

Co-Investigator, *Advancing the Science of Responsive Survey Design using Bayesian Methodology*, (PI: James Wager, 4/1/18-3/31/21), National Institutes of Health (10% support)

Co-Investigator, *Dynamics and Health Consequences of Obesity between Infancy and Young Adulthood in the United States*, (PI: Solveig Argeseanu, 4/1/18-3/30/23), National Institutes of Health (8% support)

Biostatistician, *The Impact of Tobacco Control Policies on Health Equity in the United States*, (PI: Nancy Fleisher, 12/19/17-11/30/22), National Cancer Institute (8% support)

Co-Investigator, *Cognitive Resilience and Community Context: Examining the role of Neighborhood Built and Social Environments for Slowing the Progression of Dementia among Older Americans*, (PI: Phillipa Clarke, 9/15/17-6/30/21), National Institutes of Health (8% support)

Statistician, *Bayesian Methods for Adaptive Sample Design* (9/1/17-8/31/20), US Census Bureau (12% support)

Principle Investigator (with Trivellore Raghunathan), *Novel Methods for Incorporating Sample Designs in Bayesian Inference*, (9/1/17-8/30/20), National Science Foundation (8% support)

Co-Investigator, *Computing Statistics When Data Cannot be Shared*, (PI: Alter, 7/1/17-6/30/20), Laura and John Arnold Foundation (4% support)

University of Michigan Principal Investigator, *Prenatal Exposures and Child Health Outcomes: A Statewide Study* (PI: Nigel Paneth, 9/1/16-8/31/23), NIH ECHO grants (10% support)

Co-Investigator, *Building a Transportation Data Ecosystem for Data Science Research and Application* (PI: Carol Flannagan, 7/1/16-6/30/19), MIDAS Internal Michigan Grant (4% Support)

Co-Investigator, *REGARDS- BSE: Documentation and Examination of the Effects of Built and Social Environment on Stroke Incidence and Quality of Life After Stroke*. (PI: Natalie Colabianchi, 2/1/16-1/31/20), National Heart, Lung, and Blood Institute, R01 Grant (6% support).

Co-Investigator, *Evaluation of Error Properties and Productivity of Respondent Driven Sampling from Total Survey Error Perspectives*, (PI: Sunghee Lee, 9/15/15-8/31/18), NSF Grant (4% support).

Biostatistician, *Study of Women's Health Across the Nation (SWAN) V: Michigan Site*, (PI: Sioban Harlow, 7/14/14-6/30/19), P01 Grant, National Institute of Aging (7% support).

Pending

Co-Investigator, *A National Neighborhood Data Archive*, (co-PIs: Margaret Hickens and Phillipa Clarke, 12/1/19-11/30/24), National Institute of Aging (10% support).

Co-Investigator, *Health and Health Risk Behavior in the Transition from Adolescence to Adulthood*, (PI: Daniel Keating, 9/1/19-8/31/24), National Institute of Child and Human Development (5% support).

Co-Investigator, *New Analytical Approaches to Understanding Alcohol-Drug Interactions on Driving Safety* (PI: Qixuan Chen, 9/1/19-8/31/24), National Institute of Drug Abuse (15% support).

Co-Investigator, *Longitudinal Analysis of Gut Microbiome Predictors of Depression and Suicidality*, (PI: William Axinn, 9/1/19-8/31/24), National Institute of Mental Health (5% support).

Former

Co-Primary Investigator, *Addressing Disclosure Risk of Contextualized Microdata in Survey Design* (1/16/12-11/30/18), R01 grant, National Institute of Child and Human Development (5% support)

Co-Investigator, *Proposal to the Auto Alliance to Investigate Secondary Task Prevalence, Odds Ratios vs. Relative Risk, Absolute Risk and Alternative Baselines in SHRP2 Naturalistic Driving*, (PI: Carol Flannagan, 10/6/16-5/30/18), Alliance of Automobile Manufactures (6% support).

Biostatistician, *University of Michigan Injury Control Research Center* (PI: Rebecca Cunningham, 8/01/12-7/31/17), Centers for Disease Control (5% support)

Co-Investigator, *The Challenge of Individualizing Treatments for Patients with Breast Cancer* (PI: Steven Katz, 12/01/11-8/31/17), R01 grant, National Cancer Institute (1% support)

Co-Investigator, *Longitudinal study of adverse driving outcomes among adolescents with ADHD* (PI: A. Curry 9/1/14-8/30/17), R01 grant, National Institute of Child and Human Development (4% support)

Biostatistician, *The Social and Economic Dynamics of Optimism and Hopelessness over American Adulthood: Evidence from the Americans' Changing Lives Study* (PI: Phillipa Clark, 6/1/15-5/13/17), Templeton Foundation (5% support).

Co-Investigator, *PMI Preparation/Prototyping Initiative*, (PI: Goncalo Abecasis, 3/1/16-12/31/16), National Institutes of Health (10% support)

Biostatistician, *Crash Avoidance Systems: Safety and Reliability of an Important Class of Electronic Control Systems*, (PI: Carol Flannagan, 6/1/15-12/30/16) Toyota Corporation (10% support)

Biostatistician, *Evaluating the Long-Term Effectiveness of the Teen Driving Plan*, (PI: Jessica Mirman, 1/15/15-1/14/17), R03 Grant, National Institute of Child and Human Development (2% support).

University of Michigan Principal Investigator, *Development and Deployment of Surveys and Samples*, (PI: Michael Elliott, 4/1/16-11/30/16), NIH Precision Medicine Grant (10% support)

Biostatistician, *Understanding Social Disparities in Health and Aging* (PI: S. Burgard, 9/01/06-2/28/16), R01 grant, National Institute of Aging (8% support)

Co-Investigator, *Statistical Methods for Cancer Biomarkers*, (PI: J. Taylor, 12/1/08-12/31/15), R01 grant, National Cancer Institute (3% support)

Biostatistician, *Discretionary Cooperative Agreement to Support Biomechanical Research – Task 9-CIREN* (PI: Carol Flannigan, 5/01/13-4/30/15), NHTSA Grant (5% support)

Biostatistician, *Evaluation of the Interaction between Pediatric Occupants and Restraint Systems During Frontal Impacts: a Novel approach to Measure Head and Spinal Kinematics and Determine Resulting Injury Mechanism* (PI: Kristy Arbogast, 9/1/14-8/30/15), Children's Hospital of Philadelphia (5% support)

Biostatistician, *Simulated Driving Assessment and Mental Health Evaluation*, (PI: Flaua Winston, 10/1/13-6/30/14), Gift support, State Farm Insurance (5% support)

Co-Investigator, *Effect of decals on teen compliance with and enforcement of driving restriction*, (PI: A. Curry 5/15/13-5/14/14), Gift support, State Farm Insurance (10% support)

Biostatistician, *Development of a Comprehensive Approach to Measuring Serious Injuries in Crashes* (PI: Carol Flannigan, 5/01/13-4/30/14), NHTSA Grant (10% support)

Biostatistician, *Youthful Driver Initiative*, (PI: F. Winston, D. Durbin, 9/01/06-12/31/13), Sole source contract, State Farm Insurance (5% support)

Biostatistician, *Educational Evaluation Engine* (PI: Bendek Hansen, 7/01/13-12/31/13), NHTSA Grant (15% support)

Co-Investigator, *Comparing Alternative Measures of the Quality of Survey Data* (PI: J. Wagner, 9/01/11-6/30/13), R03 grant, National Institute of Child and Human Development (2% support)

Principal Investigator, *Hierarchical Bayesian Analysis of Complex Sample Survey Data*, (7/1/09-6/30/13), R01 grant, National Cancer Institute (18% support)

Biostatistician, *Estimating Probability of Selection of CIREN Cases* (PI: Carol Flannigan, 5/01/11-4/30/13), NHTSA Grant (5% support)

Principle Investigator, *The National Children's Study*, Contract, National Institute of Child Health and Human Development (9/28/07-3/31/13) (5% support)

Principal Investigator, *Methods for Studying Variability as a Predictor of Health Status*, (9/1/10-8/31/12), R03 grant, National Institute for Aging (8% support)

Co-Investigator, *Negative Working Conditions and Health Across the Career*, R03 grant, National Institute of Mental Health (PI: S. Burgard, 9/1/09-8/31/12) (5% support)

Co-Investigator, *Causal Methods for Mediation and Interaction*, (PI: T. Ten Have, 9/1/07-5/31/12), R01 grant, National Institute of Mental Health (15% support)

Biostatistician, *Causal Estimates of Neighborhood Poverty on Health and Mortality*, (P.I., D. Phuong (Phoenix) Do, 9/1/09-8/30/11), R21 Grant, National Institutes of Health (5% support)

Co-Investigator, *Secular Change in Menstrual Function*, R01 grant, National Institute of Child Health and Human Development (PI: S. Harlow, 2/1/08-4/30/11) (10% support)

Co-Principal Investigator, *Evaluation Of State Of Louisiana's `Value Added Teacher Preparation Program`*, Sole Source Contract, State of Louisiana (PI: B. Rowan, 3/01/08-6/30/09) (1% support)

Co-Investigator, *Continued Development of Methods for Appropriate Analysis of CIREN Data* Contract, Traffic Safety Administration. (P.I. Jonathan Rupp, 9/01/08-4/30/09) (5% support).

Co-Investigator, *Estimation of Disclosure Risk and Statistical Methods for Disclosure Limitation*, (PI: T. Raghunathan, 9/01/05-12/31/08) R01 grant, National Institute of Child Health and Human Development (10% support)

Principal Investigator, *Model-Based Approaches to the Analysis of Weighted Data*, (8/01/03-7/31/07), R01 grant, National Heart, Lung, and Blood Institute (30% support)

Biostatistician, *Alcohol Related Risk Behavior-Adolescent to Young Adult-ISR* (PI: J. Shope, 1/01/06-6/30/07), R01 grant, National Institute of Alcohol and Alcohol Abuse (5% support)

Biostatistician, *NHIS Data to Estimate Catastrophically Disabled Young Veterans*, (P.I. B. Kinoshian, 9/01/05-6/30/07), IPA, Veterans Administration (20% support)

Principal Investigator, *Combining Data from NHIS and BRFSS*, (6/01/03-8/31/05), R03 grant, National Cancer Institute (15% support)

Biostatistician, *A Case-Control Study of Alcohol Outlets and Firearm Violence*, (PI: Charles Branas, 9/01/02-8/31/05), R01 grant, National Institute of Alcohol and Alcohol Abuse (10% support)

Biostatistician, *Secondary Analysis of EPA RPN* Data*, (PI: Paul Kleindorfer, 7/01/00-8/31/05), Cooperative agreement, Environmental Protection Agency (10% support)

Biostatistician, *The State of Child Occupant Protection*, (PI: F. Winston, D. Durbin, 7/01/00-8/31/05), Sole source contract, State Farm Insurance (20% support)

Biostatistician, University of Pennsylvania Cancer Center Core Support Grant (10/01/00-11/30/04), National Cancer Institute (5% support)

Biostatistician, *An EXPORT Center of Excellence for Inner City Health* (PI: Shiriki Kumanyika and Jerry Johnson, 10/1/02-7/31/03), P30 grant, National Institute of Health (10% support)

Primary Investigator, *Combining Information from the 2000 Census, ACE Survey, and Demographic Analysis*, IPA, US Census Bureau (4/01/01-9/30/02) (20% support)

Primary Investigator, *Combining the National Health Interview Survey and Behavioral Risk Factor Surveillance Survey*, Sole source contract, National Cancer Institute (10/01/01-9/30/02) (10% support)

Biostatistician, *Probing Drug-Related Mental Disorders of Aging* (PI: Ira Katz, 7/01/00-6/30/02), R01 grant, National Institute of Mental Health (10% support)

Biostatistician, *Biological Markers of Breast Disease*, (PI: Barbara Weber, J. Richard Landis, 7/01/00-4/01/01), R01, National Cancer Institute (15% support)

PEER-REVIEWED RESEARCH PUBLICATIONS -- PUBLISHED (*=Elliott's doctoral advisee/co-advisee)

1. **Elliott, M.R.**, Little, R.J.A., Lewitzky, S. (2000). "Subsampling Callbacks to Improve Survey Efficiency," *Journal of the American Statistical Association*, **95**, 730-738.
2. **Elliott, M.R.**, Little, R.J.A. (2000). "A Bayesian Approach to Combining Information from a Census, a Coverage Measurement Survey and Demographic Analysis," *Journal of the American Statistical Association*, **95**, 351-362.
3. **Elliott, M.R.**, Little, R.J.A. (2000). "Model-based Alternatives to Trimming Survey Weights," *Journal of Official Statistics*, **16**, 191-209.
4. **Elliott, M.R.**, Waller, P.F., Raghunathan, T.E., Shope, J.T., Little, R.J.A. (2000). "Persistence of Violation and Crash Behavior over Time," *Journal of Safety Research*, **31**, 229-242.

5. Shope, J.T., **Elliott, M.R.**, Raghunathan, T.E., Waller, P.F. (2001). "Long-term Follow-up of a High School Alcohol Misuse Prevention Program's Effect on Students' Subsequent Driving," *Alcoholism: Clinical and Experimental Research*, **25**, 403-410.
6. Winston, F.K., Kallan, M.J., **Elliott, M.R.**, Menon, R., Durbin, D.R. (2001). "Risk of Injury to Child Passengers in Compact-Extended Cab Pick-up Trucks," *Journal of the American Medical Association*, **287**, 1147-1152.
7. Winston, F.K., Kallan, M.J., **Elliott, M.R.**, Menon, R., Durbin, D.R. (2001). "Rear Seating and Risk of Injury to Child Occupants by Vehicle Type," *Annual Proceedings of AAAM. Association for the Advancement of Automotive Medicine*, **45**, 51-60.
8. Durbin D.R., **Elliott M.R.**, Arbogast K.B., Anderko R.L., Winston F.K. (2001). "The Effect of Seating Position on Risk of Injury to Children in Side Impact Crashes," *Annual Proceedings of AAAM. Association for the Advancement of Automotive Medicine*, **45**, 61-72.
9. Molnar, L., Shope, J.T., **Elliott, M.R.**, Waller, P.F. (2001). "Graduated Driver Licensing in Michigan: Early Impact on Motor Vehicle Crashes among 16 Year-old Drivers," *Journal of the American Medical Association*, **286**, 1593-1598.
10. **Elliott, M.R.**, Waller, P.F., Raghunathan, T.E., Shope, J.T. (2001). "Predicting Offenses and Crashes from Drivers' Offense and Crash Histories," *Crash Prevention and Injury Control*, **3**, 167-178.
11. Waller, P.F., **Elliott, M.R.**, Shope, J.T., Raghunathan, T.E., Little, R.J.A. (2001). "Changes in Young Adult Offense and Crash Patterns over Time," *Accident Analysis and Prevention*, **33**, 117-128.
12. **Elliott, M.R.**, Sammel, M.D. (2002). "Discussion of 'Latent Class Analysis of Complex Sample Survey Data: Application to Dietary Data'," *Journal of the American Statistical Association*, **97**, 732-734.
13. **Elliott, M.R.**, Raghunathan, T.E., Shope, J.T., (2002). "The Effect of Age at Time-of-License and Duration of Licensure on Risk of Vehicular Crash: Parametric Analysis of Repeated Time-to-Event Measures," *Journal of the American Statistical Association*, **97**, 420-431.
14. Palaniappan, L., Anthony, M-N, **Elliott, M.R.**, Killeen, A., Giacherio, D., Rubenfire, M. (2002). "Cardiovascular Risk Factors in Young Minority Women," *American Journal of Cardiology*, **89**, 524-529.
15. **Elliott, M.R.**, Shope, J.T. (2003). "Use of a Bayesian Change-point Model to Estimate the Effect of a Graduated Driver's Licensing Program," *Journal of Data Science*, **1**, 43-63.
16. Kallan M.J., Durbin D.R., **Elliott M.R.**, Menon R.A., Winston F.K. (2003). "Differential Risk of Injury in Child Occupants by Passenger Car Classification," *Annual Proceedings of AAAM, Association for the Advancement of Automotive Medicine*. **47**, 329-341.
17. Winston F.K., Chen I.G., Arbogast K.B., **Elliott M.R.**, Durbin D.R. (2003). "Shifts in Child Restraint Use According to Child Weight in the United States from 1999 to 2002," *Annual Proceedings of AAAM, Association for the Advancement of Automotive Medicine*. **47**, 313-328.

18. **Elliott, M.R.**, Arbogast, K.B., Menon, R., Durbin, D.R., Winston, F.K. (2003). "Accuracy of Self Reported Data for Estimating Crash Severity," *Accident Analysis and Prevention*, **35**, 833-840.
19. **Elliott, M.R.**, Kleindorfer, P.R., Lowe, R.A. (2003). "The Role of Hazardousness and Regulatory Practice in the Accidental Release of Chemicals at US Industrial Facilities," *Risk Analysis*, **23**, 883-896.
20. Kleindorfer, P.R., Belke, J.C., **Elliott, M.R.**, Lee, K., Lowe, R.A., Feldman H. (2003). "Accident Epidemiology and the U.S. Chemical Industry: Accident History and Worst-Case Data from RMP*Info," *Risk Analysis*, **23**, 865-881.
21. Durbin, D.R., **Elliott, M.R.**, Winston, F.K. (2003). "Belt-Positioning Booster Seats and Reduction in Risk of Injury among Children in Vehicle Crashes," *Journal of the American Medical Association*, **289**, 2835-2840.
22. Durbin, D.R., Kallan, M.K., **Elliott, M.R.**, Arbogast, K.B., Cornejo, R.L., Winston, F.K. (2003). "Risk of Injury to Restrained Children from Passenger Airbags," *Traffic Injury Prevention*, **4**, 58-63.
23. Ten Have, T.R., **Elliott, M.R.**, Joffe, M., Zanutto, E. (2004). "Causal models for randomized physician encouragement trials in treating primary care depression," *Journal of the American Statistical Association*, **99**, 16-25.
24. Kallan, M.J., Durbin, D.B., **Elliott, M.R.**, Arbogast, K.B., Winston, F.K. (2004). "Differential Risk of Injury to Child Occupants by SUV Size," *Annual Proceedings of AAAM, Association for the Advancement of Automotive Medicine*, **48**, 87-100.
25. Zuppa, A.F., Nadkarni, V., Davis, L., Adamson, P.C., Helfaer, M.A., **Elliott, M.R.**, Abrams, J., Durbin, D. (2004). "The Effect of a Thyroid Hormone Infusion on Vasopressor Support in Critically Ill Children with Cessation of Neural Function," *Critical Care Medicine*, **32**, 2318-2322.
26. Kleindorfer, P.R., **Elliott, M.R.**, Wang, Y., Lowe, R.A. (2004). "Drivers of Accident Preparedness and Safety: Evidence from the RMP Rule," *Journal of Hazardous Material*, **115**, 9-16.
27. Branas, C.C., Nance, M.L., **Elliott, M.R.**, Richmond, T.S., Schwab, C.W. (2004). "Urban-rural Shifts in Intentional Firearm Death: Different Causes, Same Results," *American Journal of Public Health*, **94**, 1750-1755.
28. Durbin, D.R., Chen, I., **Elliott, M.R.**, Winston F.K. (2004). "Factors Associated with Front Row Seating of Children in Motor Vehicle Crashes," *Epidemiology*, **15**, 345-349.
29. Winston, F.K., Chen, I.G., **Elliott, M.R.**, Arbogast, K.B., Durbin, D.R. (2004). "Recent Trends in Child Restraint Practices in the United States," *Pediatrics*, **113**, 458-464.

30. Winston, F.K., **Elliott, M.R.**, Chen, I., Simpson, E., Durbin, D.R. (2004). "Acute Healthcare Utilization by Children After Motor Vehicle Crashes," *Accident Analysis and Prevention*, **36**, 507-511.
31. **Elliott, M.R.**, Yang, Y., Lowe, R.A., Kleindorfer, P.R. (2004). "Environmental Justice: Frequency and Severity of U.S. Chemical Industry Accidents and the Socioeconomic Status of Surrounding Communities," *Journal of Epidemiology and Community Health*, **58**, 24-30.
32. **Elliott, M.R.**, Little, R.J.A. (2005). "A Bayesian Approach to 2000 Census Evaluation using A.C.E. Survey Data and Demographic Analysis," *Journal of the American Statistical Association*, **100**, 380-388.
33. **Elliott, M.R.**, Davis, W.W. (2005). "Obtaining Cancer Risk Factor Prevalence Estimates in Small Areas: Combining Data from the Behavioral Risk Factor Surveillance Survey and the National Health Interview Survey," *Journal of the Royal Statistical Society C: Applied Statistics*, **54**, 595-609.
34. **Elliott, M.R.**, Ten Have T.R., Gallo, J., Bogner, H.R. Katz, I.R. (2005). "Use of Latent Class Models to Assist in Diagnoses using Emotional Affect Data," *Biostatistics*, **6**, 119-143.
35. Winston, F.K., Baxt, C., Kassam-Adams, N.L., **Elliott, M.R.**, Kallan, M.J. (2005). "Acute Traumatic Stress Symptoms in Child Occupants and their Parent Drivers after Crash Involvement," *Archives of Pediatrics & Adolescent Medicine*, **159**, 1074-1079.
36. Stettler, N., **Elliott, M.R.**, Kallan, M., Auerbach, S.B., Kumanyika, S.K. (2005). "High Prevalence of Overweight Among Pediatric Users of Community Health Centers," *Pediatrics*, **116**, 381-388.
37. Chen, I., Durbin, D.R., **Elliott, M.R.**, Kallan, M.K., Winston, F.K. (2005). "Trips Characteristics of Vehicle Crashes Involving Child Passengers," *Injury Prevention*, **11**, 219-224.
38. Arbogast, K.A., Durbin, D.R., Kallan, M., **Elliott, M.R.**, Winston, F.K. (2005). "Injury Risk to Restrained Children Exposed to Deployed First and Second Generation Air Bags in Frontal Crashes," *Archives of Pediatric and Adolescent Medicine*, **159**, 342-346.
39. Durbin, D.R., Chen, I., Smith, R., **Elliott, M.R.**, Winston, F.K. (2005). "The Effect of Seating Position and Appropriate Restraint Use on the Risk of Injury to Children in Motor Vehicle Crashes," *Pediatrics*, **115**, 305-309.
40. Chen, I., **Elliott, M.R.**, Winston, F.K., Durbin, D.R. (2005). "Teen Drivers and the Risk of Injury to Child Passengers in Crashes," *Injury Prevention*, **11**, 12-17.
41. Nance, M.L., **Elliott, M.R.**, Arbogast, K.B., Winston, F.K., Durbin, D.R. (2006). "Delta V As a Predictor of Significant Injury for Children Involved In Frontal Motor Vehicle Crashes," *Annals of Surgery*, **243**, 121-125.
42. Donovan, J.M.*, **Elliott, M.R.**, Heitjan, D.F. (2006). "Predicting Events Times in Clinical Trials when Treatment Arm is Masked," *Journal of Biopharmaceutical Statistics*, **16**, 343-356.
43. **Elliott, M.R.**, Joffe, M.M., Chen, Z. (2006). "A Potential Outcomes Approach to Developmental Toxicity Analyses," *Biometrics*, **62**, 352-360.

44. Chen, I.G., Durbin, M.R., **Elliott, M.R.**, Senserrick, T., Winston, F.K.. (2006). "Child Passenger Injury Risk in Motor Vehicle Crashes: A Comparison of Nighttime and Daytime Driving between Teenage and Adult Drivers," *Journal of Safety Research*, **37**, 299-306.
45. **Elliott, M.R.**, Kallan, M.J., Durbin, D.R., Winston, F.K. (2006). "Effectiveness of Child Safety Seats versus Seat Belts in Reducing Risk of Death for Children in Passenger Vehicle Crashes," *Archives of Pediatrics and Adolescent Medicine*, **160**, 617-621.
46. Rosenthal, I., Kleindorfer, P.K., **Elliott, M.R.** (2006). "Predicting and Confirming the Effectiveness of For Managing Low-Probability Chemical Process Risks," *Process Safety Progress*, **25**, 135-155.
47. **Elliott, M.R.**, Shope, J.T., Raghunathan, T.E., Waller, P.F. (2006). "Gender Differences among Young Drivers in the Association between High-Risk Driving and Substance Use/Environmental Influences," *Journal of Studies on Alcohol*, **67**, 252-260.
48. Shah, S.S., Hodinka, R.L., Turquist, J.L., **Elliott, M.R.**, Coffin, S.E. (2006). "Cerebrospinal Fluid Mononuclear Cell Predominance is Not Related to Symptom Duration in Children with Enteroviral Meningitis," *Journal of Pediatrics*, **148**, 118-121.
49. Donoghue, A.J., Nadkarni, V., **Elliott, M.R.**, Durbin, D.B. (2006). "Effect of Hospital Characteristics on Outcomes from Pediatric Cardiopulmonary Resuscitation: A Report from the National Registry of CPR," *Pediatrics*, **118**, 995-1001.
50. **Elliott, M.R.** Arbogast, K.A., Durbin, D.R. (2006). "A Latent Class Analysis of Injury Patterns Among Rear-Seated, Seat-Belted Children," *Journal of Trauma*, **61**, 1244-1248.
51. Winston, F.K., Chen, I.G., Smith, R., **Elliott, M.R.** (2006). "Parent Driver Characteristics Associated with Sub-Optimal Restraint of Child Passengers," *Traffic Injury Prevention*, **7**, 373-380.
52. **Elliott, M.R.**, Stettler, N. (2007). "Using a Mixture Model for Multiple Imputation in the Presence of Outliers: The Child Obesity Project," *Journal of the Royal Statistical Society C: Applied Statistics*, **56**, 63-78.
53. Winston, F.K., Kallan, M.J., **Elliott, M.R.**, Xie, D., Durbin, D.R. (2007). "Effect of Booster Seat Laws on Appropriate Restraint Use by 4-7 year olds Involved in Crashes," *Archives of Pediatrics and Adolescent Medicine*, **161**, 270-275.
54. Bingham, C.R., Shope, J.T. **Elliott, M.R.**, (2007). "Social and Behavioral Characteristics of Young Adult Drink/Drivers Adjusted for Level of Alcohol Use," *Alcoholism: Clinical and Experimental Research*, **31**, 655-664.
55. **Elliott, M.R.** (2007). "Bayesian Weight Trimming for Generalized Linear Regression Models," *Survey Methodology*, **33**, 23-34.
56. Durbin, D.R., Smith, R., Kallan, M.J., **Elliott, M.R.**, Winston, F.K. (2007). "Seat Belt Use among 13-15 Year Olds in Primary and Secondary Enforcement Law States," *Accident Analysis and Prevention*, **39**, 524-529.

57. **Elliott, M.R.** (2007). "Identifying Latent Clusters of Variability in Longitudinal Data," *Biostatistics*, **8**, 756-771.
58. Donovan, J.M.*, **Elliott, M.R.**, Heitjan, D.F. (2007). "Predicting Event Times in Clinical Trials When Randomization is Masked and Blocked," *Clinical Trials*, **4**, 481-490.
59. Winston, F.K. Xie, D., Durbin, D.R., **Elliott, M.R.** (2007)." Are Child Passengers Bringing Up the Rear? Evidence for Differential Improvements in Injury Risk between Drivers and Their Child Passengers," *Annual Proceedings of AAAM, Association for the Advancement of Automotive Medicine*, **51**, 113-127.
60. Lin, J.Y.*, Ten Have T.R., **Elliott, M.R.** (2007). "Baseline Patient Characteristics and Mortality Associated with Longitudinal Intervention Compliance," *Statistics in Medicine*, **26**, 5100-5115.
61. Shah, S.S., Downes, K.J., **Elliott, M.R.**, Bell, L.M., McGowan, K.L., Metlay, J.P. (2008). "How Long Does It Take To "Rule-Out" Bacteremia in Children and Adolescents with Central Venous Catheters?" *Pediatrics*, **121**, 135-141.
62. Downes, K.J., Metlay, J.P., Bell, L.M., McGowan, K.L., **Elliott, M.R.**, Shah, S.S. (2008). "Polymicrobial Bloodstream Infections among Children with Central Venous Catheters Evaluated in Ambulatory Care," *Clinical Infectious Diseases*, **46**, 387-394.
63. Winston, F.K., Kallan, M.K., Senserrick, T.M., **Elliott, M.R.** (2008). "Risk Factors for Death among Older Child & Teenage Motor Vehicle Passengers," *Archives of Pediatrics and Adolescent Medicine*, **162**, 253-260.
64. Wiebe D.J., Carr B.G., Datner E.M., **Elliott M.R.**, Richmond T.S. (2008). "Feasibility of an Automated Telephone Survey To Enable Prospective Monitoring of Subjects Whose Confidentiality Is Paramount: A Four-Week Cohort Study of Partner Violence Recurrence after Emergency Department Discharge," *Epidemiologic Perspectives & Innovations*, **5**:1. <http://www.epi-perspectives/content/5/1/1>.
65. Ginsburg, K., Winston, F.K., Senserrick, T., Garcia, J.F., Kinsman, S., Quistberg, D., Ross, J., **Elliott, M.R.** (2008). "The National Young Driver Survey: The Teen Perspective and Experience with Factors that Affect Driving Safety," *Pediatrics*, **121**, 1391-1403.
66. Lin, J.Y.*, Ten Have, T.R., **Elliott, M.R.** (2008). "Longitudinal Nested Compliance Class Model in the Presence of Time-Varying Noncompliance," *Journal of the American Statistical Association*, **103**, 462-73.
67. **Elliott, M.R.** (2008). "Accounting for Transcription Errors Using Multiple Imputation: Application to a Childhood Study of Obesity," *Chance*, **21**, 14-23.
68. Senserrick, T. **Elliott, M.R.**, Winston, F.K. (2008). "Response to 'Reduce Risk by Reducing Driving'" *Archives of Pediatrics and Adolescent Medicine*, **162**, 898.
69. **Elliott, M.R.**, Kleindorfer, P.K., Dubois, J., Wang, Y., Rosenthal, I. (2008). "Linking OII and RMP*Info Data: Does Everyday Safety Prevent Catastrophic Loss," *International Journal of Risk Assessment and Management*, **10**, 130-146.

70. **Elliott, M.R.**, Winston, F.K., Ginsburg, K. (2008). "Unlicensed Teen Drivers: Who Are They and How Do They Behave when behind the Wheel?," *Pediatrics*, **122**, e994-1000.
71. **Elliott, M.R.** (2008). "Model Averaging Methods for Weight Trimming," *Journal of Official Statistics*, **24**, 517-540.
72. Mudd, L.M., Pham, X., Nechuta, S., **Elliott, M.R.**, Lepkowski, J.M., Paneth, N. (2008). "Prenatal Care and Delivery Room Staff Attitudes Towards Research and the National Children's Study," *Maternal and Child Health Journal*, **12**, 684-691.
73. Evans, S.L., Nance, M.L., Arbogast, K.B., **Elliott, M.R.**, Winston, F.K. (2009). "Passenger Compartment Intrusion as a Predictor of Significant Injury for Children in Motor Vehicle Crashes," *Journal of Trauma*, **66**, 504-507.
74. Gallop, R., Small, D., Lin, J.Y., **Elliott, M.R.**, Joffe, M., Ten Have, T.R. (2009). "Mediation Analysis with Principal Stratification," *Statistics in Medicine*, **28**, 1108-1130.
75. **Elliott, M.R.** (2009). "Model Averaging Methods for Weight Trimming in Generalized Linear Regression Models," *Journal of Official Statistics*, **25**, 1-20.
76. Kallan, M.J., Arbogast, K.B., **Elliott, M.R.**, Durbin, D.R., (2009). "Non-fatal and Fatal Crash Injury Risk for Children in Minivans Compared with Children in Sport Utility Vehicles," *Injury Prevention*, **15**, 8-12.
77. Lin, J.Y.*, Ten Have T.R., **Elliott, M.R.** (2009). "Nested Markov Compliance Class Model in the Presence of Time-Varying Noncompliance," *Biometrics*, **65**, 505-513.
78. Wiebe, D.L., Krafty, R.T., Koper, C.S., Nance, M.L., **Elliott, M.R.**, Branas, C.C. (2009). "Homicide and Geographic Access to Gun Dealers in the United States," *BMC Public Health*, <http://www.biomedcentral.com/content/pdf/1471-2458-9-199.pdf>.
79. **Elliott, M.R.**, Kallan, M.J., Durbin, D.R. (2009). "Response to 'Child restraint systems for young children during motor vehicle collisions'," *American Journal of Public Health*, **99**, 1540-1541.
80. Nechuta, S., Mudd, L.M., Biery, L., **Elliott, M.R.**, Lepkowski, J.M., Paneth, N. (2009). "Attitudes of pregnant women towards participation in perinatal epidemiologic research," *Paediatric and Perinatal Epidemiology*, **23**, 424-430.
81. Garcia-Espana, J.E., Ginsburg, K., Durbin, D, **Elliott, M.R.**, Winston, F. (2009). "Primary Access to Vehicles Increases Risky Teen Driving Behaviors and Crashes: National Perspective," *Pediatrics*, **124**, 1069-1075.
82. Branas, C.C., **Elliott, M.R.**, Richmond, T.S., Culhane, D.P., Wiebe, D.J. (2009). "Alcohol Consumption, Alcohol Outlets, and the Risk of Being Assaulted with a Gun," *Alcoholism: Clinical and Experimental Research*, **33**, 906-915.
83. **Elliott, M.R.**, Durbin, D.R., Winston, F.K. (2009). "A Propensity Score Approach to Estimating Child Restraint Effectiveness in Preventing Mortality," *Statistics and Its Interface*, **2**, 437-447.

84. **Elliott, M.R.**, Resler, A., Flannagan, C.A., Rupp, J.D. (2010). "Appropriate analysis of CIREN data: using NASS-CDS to reduce bias in estimation of injury risk factors in passenger vehicle crashes," *Accident Analysis and Prevention*, **42**, 530-539.
85. **Elliott, M.R.**, Raghunathan, T.E., Li, Y. (2010). "Bayesian Inference for Causal Mediation Effects Using Principal Stratification with Dichotomous Mediators and Outcomes," *Biostatistics*, **11**, 353-372.
86. Chen, Q. *, Garabrant, D.H., Hedgeman, E., Little R.J.A., **Elliott, M.R.**, Gillespie, B., Hong, B., Lee, S-Y, Lepkowski, J.M., Franzblau, A., Adriaens, P., Demond, A.H., Patterson, D.G. (2010). "Estimation of Background Serum 2,3,7,8-TCDD Concentrations by Using Quantile Regression in the UMDES and NHANES Populations," *Epidemiology*, **21**, S51-S57.
87. Chen, Q. *, **Elliott, M.R.**, Little, R.J.A. (2010). "Bayesian Penalized Spline Model-Based Inference for Finite Population Proportions in Unequal Probability Sampling," *Survey Methodology*, **36**, 22-34.
88. Li, Y. *, Taylor, J.M.G., **Elliott, M.R.** (2010). "A Bayesian Approach to Surrogacy Assessment Using Principal Stratification in Clinical Trials," *Biometrics*, **66**, 523-531.
89. **Elliott, M.R.** (2010). "Matched Cohort Analysis in Traffic Injury Epidemiology: Including Adults when Estimating Exposure Risks for Children," *Injury Prevention*, **16**, 367-371.
90. Ghosh, D., **Elliott, M.R.**, Taylor, J.M.G. (2010). "Links between Analysis of Surrogate Endpoints and Endogeneity," *Statistics in Medicine*, **29**, 2869-2879.
91. Cain, K., Harlow, S.D. Little, R.J.A., Nan, B., Yosef, M., Taffe, J., **Elliott, M.R.** (2011). "Bias Due to Left Truncation and Left Censoring in Longitudinal Studies of Developmental and Disease Processes," *American Journal of Epidemiology*, **173**, 1078-1084.
92. **Elliott, M.R.** (2011). "A Simple Method to Generate Equal-Sized Homogenous Strata or Clusters for Population-Based Sampling," *Annals of Epidemiology*, **21**, 290-296.
93. Li Y. *, Taylor, J.M.G., **Elliott, M.R.**, Sargent, D.J. (2011). "Causal Assessment of Surrogacy in a Meta Analysis of Colorectal Cancer Trials," *Biostatistics*, **12**, 478-492.
94. Zonfrillo, M.R., **Elliott, M.R.**, Flannagan, C.A.C., Durbin, D.R. (2011). "Association between Weight and Risk of Crash-related Injury for Children in Child Restraints," *Pediatrics*, **128**, 1148-1152.
95. Huang, X. *, Harlow, S.D., **Elliott, M.R.** (2012). "Distinguishing 6 population subgroups by timing and characteristics of the menopausal transition," *American Journal of Epidemiology*, **175**, 74-83.
96. **Elliott, M.R.**, Jacobson, L., Winston, F.K., Ginsburg, K.R. (2012). "Determining Subgroups of Teens for Targeted Driving Injury Prevention Strategies: A Latent Class Analysis Approach," *Traffic Injury Prevention*, **13**, 258-264.
97. Nechuta, S., Mudd, L.M., **Elliott, M.R.**, Lepkowski J.M., Paneth N. and the Michigan Alliance for the National Children's Study (2012). "Attitudes of pregnant women towards

collection of biological specimens during pregnancy and at birth,” *Paediatric and Perinatal Epidemiology*, **26**, 272-275.

98. **Elliott, M.R.**, Sammel, M.D., Faul, J. (2012). “Associations between Variability of Risk Factors and Health Outcomes in Longitudinal Studies,” *Statistics in Medicine*, **31**, 2745-2756.

99. Karb, R.A, **Elliott, M.R.**, Dowd, J.B., Morenoff, J.D. (2012). “Neighborhood-Level Stressors, Social Support, and Diurnal Patterns of Cortisol: The Chicago Community Adult Health Study,” *Social Science and Medicine*, **75**, 1038-1047.

100. Hunte, H.E.R., Mentz, G., House, J.S., Schulz, A.J., Williams, D.R., Morenoff, J., **Elliott, M.R.**, White-Perkins, D.M. (2012). “Variations in Hypertension-Related Outcomes among Blacks, Whites And Hispanics in Two Large Urban Areas and in the United States,” *Ethnicity and Disease*, **22**, 391-397.

101. Belanger, K., Buka, S., Cherry, D., Dudley, D., **Elliott, M.R.**, Hale, D., Hertz-Picciotto, I., Illuzzi, J., Paneth, N., Robbins, J., Triche, E., Bracken M.B. (2012). “Implementing Provider-Based Sampling for the National Children’s Study: Opportunities and Challenges,” *Paediatric and Perinatal Epidemiology*, **27**, 20-26.

102. Bracken, M.B., Hertz-Picciotto, I., **Elliott, M.R.**, Dudley, D.J., Buka, S., Robbins, J.M., Paneth N. (2012). “Response to Professor Olsen's commentary on ‘Random Sampling – Is it Worth It’,” *Paediatric and Perinatal Epidemiology*, **27**, 29-30.

103. Chen, Q.* , **Elliott, M.R.**, Little, R.J.A. (2012). “Bayesian Inference for Finite Population Quantiles from Unequal Probability Samples,” *Survey Methodology*, **38**, 203-214.

104. **Elliott, M. R.** (2013). “Combining Data from Probability and Non-Probability Samples Using Pseudo-Weights,” **2**:6, *Survey Practice*.

105. **Elliott, M.R.** (2013). "Discussion of ‘A Bayesian approach to complex clinical diagnoses: a case-study in child abuse’," *Journal of the Royal Statistical Society A: Statistics in Society*, **176**, 90-91.

106. Zhang, N.* , Baker, H.W., Tufts, M., Raymond, R.E., Salihu, H., **Elliott, M.R.** (2013). “Early Childhood Lead Exposure and Academic Achievement: Evidence from Detroit Public Schools (2008-2010),” *American Journal of Public Health*, **103**, 3, e72-e77.

107. Kerver, J.M., **Elliott, M.R.**, Norman, G.S., Sokol, R.J., Keating, D.P., Copeland, G.E., Johnson, C.C., Cislo, K.K., Alcer, K.H., Kruger-Ndiaye, S.R., Pennell, B.E., Mehta, S., Joseph, C.L.M., Paneth, N. (2013). “Pregnancy Recruitment for Population Research: The National Children’s Study Vanguard Experience in Wayne County, Michigan,” *Paediatric and Perinatal Epidemiology*, **27**, 303-311.

108. **Elliott, M.R.**, Taylor, J.M.G., Li, Y. (2013). “Accommodating Missingness When Assessing Surrogacy Via Principal Stratification,” *Clinical Trials*, **10**, 363-377.

109. Do, D.P, Wang L., **Elliott, M.R.** (2013). “Investigating the Relationship between Neighborhood Poverty and Mortality Risk: A Marginal Structural Modeling Approach,” *Social Science and Medicine*, **91**, 58-66.

110. Paramsothy, P.*, Harlow, S.D., **Elliott, M.R.**, Lisabeth, L.D., Crawford, S.L. Randolph, J.F. (2013). "Classifying Menopausal Stage by Menstrual Calendars and Annual Interviews: Need for Improved Questionnaires," *Menopause*, **20**, 727-735
111. **Elliott, M.R.**, Taylor, J.M.G., Li, Y. (2013). "Missing Data in Principal Surrogacy Settings," *2012 ICSA Applied Statistics Symposium Proceedings* (eds. M. Hu, Y. Liu, J. Lin), p. 87-99.
112. Zhang, N.*, Baker, H.W., **Elliott, M.R.** (2013). "Response to 'Reducing Lead Exposure In Children'," *American Journal of Public Health*, **103**, 10, e10.
113. Clarke, P., Morenoff, J., Debbink, M., Golberstein, E., **Elliott, M.R.**, Lantz, P.M. (2013). "Cumulative Exposure to Neighborhood Context: Consequences for Health Transitions over the Adult Life Course," *Research on Aging*, **36**, 115-142.
114. **Elliott, M.R.**, Conlon, A.S.C*, Li, Y. (2013). "Discussion on 'Surrogate measures and consistent surrogates'," *Biometrics*, **69**, 569-572.
115. Burgard, S., **Elliott, M.R.**, Zivin K., House J.S. (2013). "Working Conditions and Depressive Symptoms: A Prospective Study of U.S. Adults," *Journal of Occupational and Environmental Medicine*, **55**, 1007-1014.
116. Huang, X.*, Harlow, S.D, **Elliott, M.R.** (2014). "Modeling Menstrual Cycle Length and Variability at the Approach of Menopause Using Hierarchical Change-point Models," *Journal of the Royal Statistical Society C: Applied Statistics*, **63**, 445-466.
117. Conlon, A.S.C*, Taylor, J.M.G., **Elliott, M.R.** (2014). "Surrogacy Assessment Using Principal Stratification When Surrogate and Outcome Measures are Multivariate Normal," *Biostatistics*, **15**, 266-283
118. Curry, A.E., Pfeiffer M.R., Myers, R.K., **Elliott, M.R.** (2014). "Statistical implications of using moving violations to determine crash responsibility in young driver crashes," *Accident Analysis and Prevention*, **65**, 28-35.
119. Dong, Q.*, **Elliott, M.R.**, Raghunathan, T.E. (2014). "A Nonparametric Method to Generate Synthetic Populations to Adjust for Complex Sample Designs," *Survey Methodology*, **40**, 29-46.
120. Gao, X.*, Brown G.K., **Elliott, M.R.** (2014). "Joint Modeling Compliance and Outcome for Causal Analysis in Longitudinal Studies," *Statistics in Medicine*, **33**, 3453-3465.
121. Flannagan, C.A.C, **Elliott, M.R.**, Mann, C., Rupp, J.D. (2014). "Sampling Serious Injuries in Traffic Crashes at the State Level," *Transportation Research Record: Safety Data, Analysis, and Evaluation 2014*, 118-123.
122. Paramsothy, P.*, Harlow, S.D., Greendale, G.A., Gold, E.B., Crawford, S.L., **Elliott, M.R.**, Lisabeth, L.D., Randolph, J.F. (2014). "Bleeding patterns during the menopausal transition in the multi-ethnic Study of Women's Health Across the Nation (SWAN): A prospective cohort study," *British Journal of Obstetrics and Gynecology*, **121**, 1564-1573.
123. Mneimneh, Z.N.*, Tourangeau, R., Heeringha, S.G., **Elliott, M.R.** (2014). "Bridging Psychometrics and Survey Methodology: Can Mixed Rasch Models Identify Socially Desirable Reporting Behavior?," *Journal of Survey Statistics and Methodology*, **2**, 257-282.

124. West, B.T., **Elliott, M.R.** (2014). "Frequentist and Bayesian Approaches for Comparing Interviewer Variance Components in Two Groups of Survey Interviewers," *Survey Methodology*, **40**, 163-188.
125. Dong, Q.* , **Elliott, M.R.**, Raghunathan, T.E. (2014). "Combining Information from Multiple Complex Surveys," *Survey Methodology*, **40**, 347-354.
126. Winston, F.K., Mirman, J., Curry, A.E., Fisher-Thiel, M., Pfeiffer, M.R., **Elliott, M.R.**, Durbin, D.R. (2014). "Engagement with the Teen Driving Plan and diversity of teens' supervised practice driving: Lessons for Internet-based learner driver interventions," *Injury Prevention*, **21**, 4-9.
127. Mirman, J.H., Curry, A.E., Winston, F.K., Wang, W., **Elliott, M.R.**, Schultheis, M.T., Fisher Thiel, M.C., Durbin, D.R. (2014). "Effect of the TeenDrivingPlan on the driving performance of teenagers before licensure: A randomized clinical trial," *Journal of the American Medical Association: Pediatrics*, **168**, 764-771.
128. Sammel, M.D., Jiang, B.* , Freeman, E.W., **Elliott, M.R.**, Wang, N. (2014). "Within-woman variability in early follicular phase follicle stimulating hormone (FSH) is associated with moderate/severe hot flashes in the menopause transition," *Fertility and Sterility*, **102**, e43.
129. Paramsothy, P.* , Harlow, S.D., **Elliott, M.R.**, Yosef, M., Lisabeth, L.D., Greendale, G.A., Gold, E.B., Crawford, S.L. Randolph, J.F. (2015). "Influence of Race/Ethnicity, Body Mass Index, and Proximity of Menopause on Menstrual Cycle Patterns in the Menopausal Transition: The Study of Women's Health Across the Nation (SWAN)," *Menopause*, **22**, 159-165.
130. Curry, A.E., **Elliott, M.R.**, Pfeiffer, M.R. Kim, K., Durbin, D.R. (2015). "Long-Term Changes in Crash Rates After Introduction of a Graduated Driver Licensing Decal Provision," *American Journal of Preventive Medicine*, **48**, 121-127.
131. Curry, A.E., Pfeiffer, M.R., Durbin, D.R., **Elliott, M.R.**, Kim, K.K. (2015). "Young Driver Licensing: Examination of Population-Level Rates Using New Jersey State Licensing Database," *Accident Analysis and Prevention*, **76**, 49-56.
132. **Elliott, M.R.**, Zhang, N., Small, D.S. (2015). "Application of Propensity Scores to a Continuous Exposure: Effect of Lead Exposure in Early Childhood on Reading and Mathematics Scores," *Observational Studies*, **1**, 30-55.
133. **Elliott, M.R.**, Conlon, A.S.C.* , Li, Y.* , Kaciroti, N., Taylor, J.M.G. (2015). "Surrogacy Marker Paradox Measures in Meta-Analytic Settings," *Biostatistics*, **16**, 400-12.
134. **Elliott, M.R.**, West, B.T. (2015). "Clustering by Interviewer': A Source of Variance that is Unaccounted for in Single-Stage Health Surveys," *American Journal of Epidemiology*, **182**, 118-126.
135. **Elliott, M.R.**, Little, R.J.A. (2015). "Weights are covariates in a Bayesian analysis; discussion of 'On Bayesian estimation of marginal structural models'," *Biometrics*, **71**, 288-291.

136. Jiang, B.*, **Elliott, M.R.**, Sammel, M.D., Wang, N. (2015). "Joint Modeling of Cross-Sectional Health Outcomes and Longitudinal Predictors via Mixtures of Means and Variances," *Biometrics*, **71**, 487-497.
137. Mehta, N.K., House, J.S., **Elliott, M.R.** (2015). "Dynamics of Health Behaviors and Socioeconomic Differences in Mortality in the U.S.A.," *Journal of Epidemiology and Community Health*, **69**, 416-422.
138. Curry, A. Pfeiffer, M.R., **Elliott, M.R.**, Durbin, D.R. (2015). "Young Driver Crash Rates by Licensing Age, Driving Experience, and License Phase," *Accident Analysis and Prevention*, **80**, 243-250.
139. Taylor, J.M.G., Conlon, A.S.C.*, **Elliott, M.R.** (2015). "Surrogacy Assessment Using Principal Stratification With Multivariate Normal and Gaussian Copula Models," *Clinical Trials*, **12**, 317-322.
140. Tan, Y.V.*, Flannagan, C.A.C., Rupp, J.D., **Elliott, M.R.** (2015). "Improving Trauma Triage Models for Motor Vehicle Crashes using Event Data Recorders and Functional Data Analysis," *Journal of Data Science*, **13**, 637-662.
141. Jiang, B.*, **Elliott, M.R.**, Sammel, M.D., Wang, N. (2015). "Bayesian Model Assessments in Evaluating Mixtures of Longitudinal Trajectories and Their Associations with Cross-Sectional Health Outcomes," *Statistics and Its Interface*, **9**, 183-201.
142. Jiang, B.*, Wang, N., Sammel, M.D., **Elliott, M.R.** (2015). "Modeling Short- and Long-Term Characteristics of Follicle Stimulating Hormone as Predictors of Severe Hot Flashes in Penn Ovarian Aging Study," *Journal of the Royal Statistical Society C: Applied Statistics*, **64**, 731-753.
143. Curry, A.E., Pfeiffer, M.R., **Elliott, M.R.**, Durbin, D.R. (2015). "Association between New Jersey's Graduated Driver Licensing decal provision and crash rates of young drivers with learners' permits," *Injury Prevention*, **21**, 421-423.
144. **Elliott, M.R.**, Arbogast, K.A., Margulies, S.S., Maltese, M.R. (2015). "Accounting for Sampling Variability, Injury Under-reporting, and Sensor Error in Concussion Injury Risk Curves," *Journal of Biomechanics*, **48**, 3059-3065.
145. Mneimneh, Z.N.*, **Elliott, M.R.**, Pennell, B-E, Tourangeau, R., Heeringha, S.G. (2015). "Cultural Variations in the Effect of Interview Privacy and the Need for Social Conformity on Reporting Sensitive Information," *Journal of Official Statistics*, **31**, 673-697.
146. Nishimura, R.; Wagner, J.; **Elliott, M.R.** (2016). "Alternative indicators for the risk of nonresponse bias," *International Statistical Review*, **84**, 43-62.
147. Zhou, H.*, **Elliott, M.R.**, Raghunathan, T.E. (2016). "Synthetic Multiple Imputation Procedure For Multi-Stage Complex Samples," *Journal of Official Statistics*, **32**, 231-256.
148. Zhou, H.*, **Elliott, M.R.**, Raghunathan, T.E. (2016). "A Two-Step Semiparametric Method to Accommodate Sampling Weights in Multiple Imputation," *Biometrics*, **72**, 242-252.

149. **Elliott, M.R.** (2016). "Discussion of 'Perils and potentials of self-selected entry to epidemiological studies and surveys'," *Journal of the Royal Statistical Society A: Statistics in Society*, **179**, 357.
150. Curry, A.E., Pfeiffer, M.R., **Elliott, M.R.** (2016). "Validation of quasi-induced exposure representativeness assumption among young drivers," *Traffic Injury Prevention*, **17**, 346-351.
151. Jewell, E.S., Maile, M.D., Engoren, M., **Elliott, M.R.** (2016). "Statistical Grand Rounds: Net Reclassification Improvement," *Anesthesia and Analgesia*, **122**, 818-824.
152. Xia, X.*, **Elliott, M.R.** (2016). "Weight Smoothing for Generalized Linear Models Using a Laplace Prior," *Journal of Official Statistics*, **32**, 507-539.
153. Zhang, N., Chen, H., **Elliott, M.R.** (2016). "Nonrespondent Subsample Multiple Imputation in Two-phase Sampling for Nonresponse," *Journal of Official Statistics*, **32**, 769-785.
154. Zhou, H.*, **Elliott, M.R.**, Raghunathan, T.E. (2016). "Multiple Imputation in Two-Stage Cluster Samples Using The Weighted Finite Population Bayesian Bootstrap," *Journal of Survey Statistics and Methodology*, **4**, 139-170.
155. Curry, A.E., Pfeiffer, M.R., **Elliott, M.R.** (2017). "Compliance With and Enforcement of Graduated Driver Licensing Restrictions," *American Journal of Preventative Medicine*, **52**, 47-54.
156. Conlon, A.S.C*, Taylor, J.M.G., **Elliott, M.R.** (2017). "Surrogacy Assessment Using Principal Stratification and a Gaussian Copula Model," *Statistical Methods in Medical Research* **26**, 88-107.
157. Mirman, J.H. Curry, A.E., **Elliott, M.R.**, Fisher Thiel, M.C. Pfeiffer, M., Rogers, R. Winston, F.K. and Durbin, D.R. (2017). "Parental Influence on Driver Licensure in Adolescence: A Randomized Controlled Trial," *Health Psychology*, **36**, 245-254.
158. **Elliott, M.R.**, Valliant, R. (2017). "Inference for Non-probability Samples," *Statistical Science*, **32**, 249-264.
159. Chen Q., **Elliott M.R.**, Haziza D., Yang Y. Ghosh M., Little R., Sedransk J., Thompson M. (2017). "Weights and Estimation of a Survey Population Mean: A Review," **32**, 227-248, *Statistical Science*.
160. Harlow, S.D., Karvonen-Guiterrez, C., **Elliott, M.R.**, Bondarenko, I., Avis, N.E., Bromberger, J.T., Brooks, M.M., Miller, J.M., Reed, B.D., (2017). "Does Symptom Clustering in Midlife Women Foretell Healthy Aging: The Study of Women's Health Across the Nation," *Women's Midlife Health*, **3**:2.
161. Pool, L.R., Needham, B.L., Burgard, S.A., **Elliott, M.R.**, Mendes de Leon, C.F. (2017). "Negative Wealth Shock and Short-Term Changes in Depressive Symptoms and Medication Adherence among Late Middle Aged Adults," *Journal of Epidemiology and Community Health*, **71**, 758-763.

162. Tan, Y.V.*, **Elliott, M.R.**, Flannagan, C.A.C., (2017). "Development of a Real-time Prediction Model of Driver Behavior at Intersections Using Kinematic Time Series Data," *Accident Analysis and Prevention*, **106**, 428-436.
163. Curry, A.E. Metzger, K.B., Pfeiffer, M.R., **Elliott, M.R.**, Winston, F.K., Power, T.J. (2017). "Motor Vehicle Crash Risk among Adolescents and Young Adults with Attention-Deficit/Hyperactivity Disorder" *Journal of the American Medical Association: Pediatrics*, **171**, 756-763.
164. Conlon, A.S.C.*, Taylor, J.M.G., Li, Y.*, Diaz-Ordaz, K., **Elliott, M.R.** (2017). "Links between Causal Effects and Causal Association for Surrogacy Evaluation in a Gaussian Setting," *Statistics in Medicine*, **36**, 4243-4265.
165. Pool, L.R., Burgard, S.A., Needham, B.L., **Elliott, M.R.**, Langa, K.M., Mendes de Leon, C.F. (2018). "Association of Negative Wealth Shock with All-Cause Mortality in Older Adults," *Journal of the American Medical Association*, **319**, 1341-1350.
166. Palumbo, A., Pfeiffer, M.R., **Elliott, M.R.**, Curry, A.E. (2018). "Young Driver Compliance with Graduated Driver Licensing Restrictions Before and After Implementation of a Decal Provision," *Journal of Adolescent Health*, **62**, 612-617.
167. Segal, B.*, Braun, T., **Elliott, M.R.**, Jiang, H. (2018). "Fast Approximation of Small p-values in Permutation Tests by Partitioning the Permutations," *Biometrics*, **74**, 196-206.
168. Mirman, J.H., Curry, A.E., **Elliott M.R.**, Long, D.L., Pfeiffer, M.R. (2018). "Can Adolescent Drivers' Motor Vehicle Crash Risk Be Reduced By Pre-Licensure Intervention?" *Journal of Adolescent Health*, **62**, 341-348.
169. Chen, J.K.T.*, Valliant, R.L., **Elliott, M.R.**, (2018). "Model-Assisted Calibration of Non-probability Sample Survey Data Using Adaptive LASSO," *Survey Methodology*, **44**, 117-144.
170. Mneimneh, Z.N.*, **Elliott, M.R.**, Couper, M., Tourangeau, R., Heeringha, S.G. (2018). "Cultural and Interviewer Effects on Interview Privacy: Individualism and National Wealth," *Cross-Cultural Research*, **52**, 496-523.
171. Segal, B.*, **Elliott, M.R.**, Braun, T., Jiang, H. (2018). "P-Splines with an l_1 penalty for Repeated Measures," *Electronic Journal of Statistics*, **12**, 3554-3600.
172. Tan, Y.V.*, Flannagan, C.A.C., **Elliott, M.R.** (2018). "Predicting Human-Driving Behavior to Help Driverless Vehicles Drive: Random Intercept Bayesian Additive Regression Trees," *Statistics and Its Interface*, **11**, 557-572.
173. Wang, D., Jackson E.A., Karvonen-Gutierrez, C.A. **Elliott M.R.**, Harlow S.D., Hood M.M., Derby C.A., Sternfeld B., Janssen I., Crawford S.L., Huang M-H, El Khoudary S.R., Chae C.U, and Baylin A. (2018). "A Healthy Lifestyle during Midlife Is Associated with Less Subclinical Carotid Atherosclerosis: The Study of Women's Health Across the Nation," *Journal of the American Heart Association*, **7**:e010405.
174. Roehler, D.R., **Elliott, M.R.**, Quinlan, K.P., Zonfrillo, M.R. (2019). "Factors Associated with Unrestrained Young Passengers in Motor Vehicle Crashes," *Pediatrics*, **143**(3).

175. Segal, B.D.*, Braun, T. Gonzalez R., and **Elliott, M.R.** (2019). "Tests of Matrix Structure for Construct Validation," *Psychometrika*, **84**, 65-83.
176. Chen, J.K.T.*, Valliant, R.L., **Elliott, M.R.**, (2019). "Calibrating non-probability surveys to estimated control totals using LASSO, with an application to political polling," *Journal of the Royal Statistical Society*, **C68**, 657-681.
177. Zhou, T.*, **Elliott, M.R.**, Little, R.J.A. (2019). "Penalized Spline of Propensity Methods for Treatment Comparison," *Journal of the American Statistical Association* (with discussion), **114**, 1-38.
178. Leggett, A., Clarke, P., Zivin, K., McCammon, R.J., **Elliott, M.R.**, Langa, K.M. (2019). "Recent Improvements in Cognitive Functioning among Older US Adults: How Much Does Increasing Educational Attainment Explain?," *Journals of Gerontology, Series B: Social Sciences*, **74**, 36-45.
179. Fischer M., West, B.T., **Elliott, M.R.**, Kreuter, F. (2019). "The Impact of Interviewer Effects on Regression Coefficients," *Journal of Survey Statistics and Methodology*, **7**, 250-274.
180. Burgard, S., Lin, K.Y., Segal, B.*, **Elliott, M.R.**, Seelye, S. (2019). "Stability and Change in Health Risk Behavior Profiles of U.S. Adults," to appear in *Journal of Gerontology, Series B: Social Sciences*.
181. West, B.T., **Elliott, M.R.**, Mneimneh, Z., Wagner, J., Peytchev A. (2019). "An Examination of an Interviewer-Respondent Matching Protocol in a Longitudinal CATI Study," to appear in *Journal of Statistics and Survey Methodology*.
182. Tan, Y. V.*, Flannagan, C.A.C., **Elliott, M.R.** (2019). "'Robust-squared' Imputation Models Using BART," to appear in *Journal of Survey Statistics and Methodology*.
183. Cronin, R.M. Jerome, R.N., Mapes, B., Andrade, R., Johnston, R., Ayala, J., Schlundt, D., Bonnet, K., Kripalani, S., Goggins, K., Wallston, K.A., Couper, M.P. **Elliott, M.R.**, Harris, P., Begale M., Munoz, F., Lopez-Class, M., Cella, D., Condon, D., Alonso, A., AuYoung, M., Mazor, K., Mikita, S., Manganiello, M., Borselli, N., Fowler, S., McClain, J., Rutter, J.L., Dishman, E., Denny, J.C., Karlson, E., Ahmedani, B.K., O'Donnell, C., The Vanderbilt University Medical Center Pilot Team, and the Participant Provided Information Committee. (2019). "Development of Participant Provided Information Modules for the *All of Us* Research Program," to appear in *Epidemiology*.

PEER-REVIEWED RESEARCH PUBLICATIONS -- SUBMITTED (*=Elliott's doctoral advisee/co-advisee)

184. Gao, X. *, **Elliott, M.R.**, Shi, Q., Sargent, D.J. (2019). "Principal Surrogacy in a Time-to-Event Setting," submitted to *Statistics in Medicine*.
185. **Elliott, M.R.**, Xia, X.* (2019). "Weighted Dirichlet Process Mixture Models to Accommodate Complex Sample Designs for Linear and Quantile Regression," submitted to *Journal of Official Statistics*..

186. Sharma, S.*, **Elliott, M.R.** (2019). "Detecting falsification in a television audience measurement panel survey," submitted to *International Journal of Marketing Research*.
187. Magee, W., Clarke, P., **Elliott, M.R.**, Sinkewicz, M.,(2019). "Who Looks on the Bright Side and When? Race and Gender differences in Optimism and Pessimism in Americans over Adulthood," submitted to *Social Forces*.
188. Wang, D. Karvonen-Gutierrez, C.A., Jackson, E.A., **Elliott, M.R.**, Appelhans, B., Barinas-Mitchell, E., Bielak, L., Huang, M-H, and Baylin, A. (2019). "Prospective associations between beverage intake during midlife and subclinical carotid atherosclerosis: The Study of Women's Health Across the Nation," submitted to *PLOS One*.
189. Donahoe, J.T., Norton, E.C., **Elliott, M.R.**, Titus, A.R., Kalsouva, L., Fleischer, N.L. (2019). "The ACA Medicaid Expansion and Smoking Cessation Among Low-Income Smokers," submitted to *American Journal of Preventive Medicine*.
190. Cho, J., Needham, B., **Elliott, M.R.**, Mendes de Leon, C. (2019). "Social Determinants of Bridge Employment in Older Men and Women," submitted to *Research on Aging*.
191. Lee, S., Ong, A.R., **Elliott, M.R.** (2019). "Exploring Mechanisms of Recruitment and Recruitment Cooperation in Respondent Driven Sampling," submitted to *Health Services Research*.
192. Titus, A.R., Kalousova, L., Meza, R., Levy, D.T. Thrasher, J.F., **Elliott, M.R.**, Lantz, P.M., Fleischer, N.L. (2019). "Smoke-free Laws, Employer Smoke-free Policies, and Disparities in Smoking Cessation in the United States, 2003-2015," submitted to *Nicotine and Tobacco Research*.
193. **Elliott, M.R.**, Zhao, Z., Muhkerjee, B., Kayna, A., Needham, B.L. (2019). "Methods to Account for Uncertainty in Latent Class Assignments when using Latent Classes as Predictors in Regression Models, with Application to Acculturation Strategy," submitted to *Epidemiology*.
194. Rafei, A*, Flannagan, C.A.C., and **Elliott, M.R.** (2019). "Big Data for Finite Population Inference: Applying Quasi-random Approaches to Naturalistic Driving Data using Bayesian Additive Regression Trees," submitted to *Journal of Survey Statistics and Methodology*.
195. Duren, D.L., Segal, B.D.*, **Elliott, M.R.**, Tosi, L., Sherwood, R.J., Jepsen, K.J. (2019). "Is the human skeleton adapting to a new normal?," submitted to *Nature*.
196. Zhou, T.*, **Elliott, M.R.**, Little, R.J.A. (2019). "Addressing Disparities in the Assignment Propensity Distributions for Treatment Comparisons from Observational Studies," submitted to *Biostatistics*.
197. Lee, S., Ong, A.R., Chen, C., **Elliott, M.R.** (2019). "Respondent Driven Sampling for Immigrant Populations: An Application to Foreign-Born Korean Americans," submitted to *Journal of Survey Statistics and Methodology*.
198. Ali, T. **Elliott, M.R.**, Antonucci, T.C., Needham, B.L., Zelner, J.L. Mendes de Leon, C.F. (2019). "Social Network Types of Older Americans: A Latent Class Approach Using Structural

and Functional Network Characteristics,” submitted to *Journal of Gerontology, Series B: Social Science*.

199. Tan, Y. V.*, Flannagan, C.A.C., **Elliott, M.R.** (2019). "Accounting for selection bias due to death in estimating the effect of wealth shock on cognition for the Health and Retirement Study," submitted to the *Journal of the American Statistical Association*.

200. Fleischer, N.L, Donahoe, J.T., McLeod, M.C., Thrasher, J.F., Levy, D.T., **Elliott, M.R.**, Meza, R., Patrick, M.E. (2019). “Taxation reduces smoking but may not reduce smoking disparities in youth,” submitted to *Journal of Adolescent Health*.

201. Twardzik, E., Clarke, P., **Elliott, M.R.**, Haley, W.E., Judd, S., Colabianchi, N. (2019). “The Effects of Neighborhood Socioeconomic Status on Trajectories of Physical Composite Score among Stroke Survivors,” submitted to *Stroke*.

202. Coffey, S.*, **Elliott, M.R.**, Dahlhamer, J. (2019). “Predicting Lag Between First Attempt and First Contact Using Partial Data versus a Bayesian Approach,” submitted to *Journal of Survey Statistics and Methodology*.

203. Kalousova, L. Levy, D., Titus, A., Meza, R., Thrasher, J., **Elliott M.R.**, Lantz, P., and Fleischer, N. (2019). “Cigarette Taxes, Prices, and Disparities in Current Smoking in the United States,” submitted to *Social Science and Medicine*.

204. Harlow, S.D., **Elliott, M.R.**, Bondarenko, I., Thurston, R.C., Jackson, E.A. (2019). “Monthly variation of hot flashes, night sweats and trouble sleeping: Effect of season and proximity to the Final Menstrual Period (FMP) in the SWAN Menstrual Calendar,” submitted to *Menopause*.

205. Kerver, J.M., Pearce, E.N., Ma, T., Zdanukiewicz, M., **Elliott, M.R.**, and Paneth, N. (2019). “Urinary iodine across pregnancy in a US cohort,” submitted to *American Journal of Clinical Nutrition*.

206. West, B., Wagner, J., Coffey, S.*, **Elliott, M.R.** (2019). “The Elicitation of Prior Distributions for Bayesian Responsive Survey Design: Historical Data Analysis vs. Literature Review,” submitted to *Journal of the Royal Statistical Society, Series A*.

BOOK CHAPTERS

1. “Combining Estimates from Multiple Surveys,” (2018). **Elliott, M.R.**, Raghunathan, T.E., Schenker, N. *Wiley StatsRef: Statistical Reference Online*.
<https://doi.org/10.1002/9781118445112.stat08079>.

EXPERT PANEL PUBLICATIONS

1. *Study Design Decisions for Postsecondary Surveys*. Report by the National Institute of Statistical Sciences Technical Expert Pane. Biemer P., **Elliott, M.R.** Galloway F., Reist B., Valliant R., Young L.J. National Center for Educational Statistics, 2017.

2. *The 2014 Redesign of the Survey of Income and Program Participation*. A Consensus Study Report of the National Academy of Sciences, Engineering, and Medicine. Czajka, J.L., Bitler, M.P., Brandon, P.D., **Elliott, M.R.**, Houtenville, A., Iceland, J., Imai, K., Kasprzyk, D., Shafer, H.L., Sherman, A., Smith, K.E., Smith, T.M., Ziliak, J.P., House, C.C., Bradford, A., Gaskin, A. National Academies Press, 2018.

INVITED PAPER/POSTER PRESENTATIONS (PAST 5 YEARS)

“Combining Data from Probability and Non-probability Surveys,” presented at the National Institute of Statistical Sciences Workshop: Using Surveys to Improve the Representativeness of Nonprobability Samples in Epidemiologic Studies, Washington, DC, March 2019.

“Calibrating Big Data for Population Inference: Applying Quasi-randomization Approaches to Naturalistic Driving Data using Bayesian Additive Regression Trees,” presented at BigSurv18, Barcelona, Spain, October 2018.

“Combining Probability and Non-Probability Samples: Theory and Practice,” presented at the 2018 Joint Statistical Meetings, Vancouver, Canada, August 2018

“Novel Methods for Incorporating Sample Designs in Bayesian Inference”, presented at the 2018 International Society of Bayesian Analysis, Edinburgh, Scotland, June 2018.

“CHARM(ing) ECHO: Developing a Probability Sampling of Michigan Births using Birth Certificate Data,” Environmental Discussion Series, Lifestage Environmental Exposures and Disease Center (M-LEEd), University of Michigan, Ann Arbor, MI, March 2018.

“Alternative Indicators of the Risk for Nonresponse Bias,” presented at the 2018 Federal Committee on Statistical Methodology Conference, Washington, DC, March 2018.

“Combining Data from Probability and Non-probability Surveys,” presented at the National Center for Health Statistics, Hyattsville, MD, August 2017; and at The Ohio State University, November 2017.

“Penalized Spline of Propensity Methods for Treatment Comparisons,” presented at the 2017 Joint Statistical Meetings, Baltimore, MD, August 2017.

“Estimating Interviewer Effects in the Absence of Interpenetration,” presented at the 2017 American Association of Public Opinion Researchers, New Orleans, LA, May 2017.

“Novel Methods for Incorporating Sample Designs in Bayesian Inference,” presented at the University of Michigan Department of Biostatistics, Ann Arbor, MI, April 2017.

“Accounting for Complex Sample Designs in Multiple Imputation Using the Weighted Finite Population Bayesian Bootstrap,” presented at the Department of Biostatistics and Computational Biology, University of Rochester Medical Center, Rochester, NY, November 2016.

“Synthetic Population Distribution with Application to Disclosure Risk Research,” presented at the 2016 Federal Statistical Research Data Center Conference, Austin, TX, September, 2016.

“Estimating Interviewer Effects in the Absence of Interpenetration,” presented at the 2016 Joint Statistical Meeting, Chicago, IL, August 2016.

“Surrogacy Assessment Using Principal Stratification and a Gaussian Copula Model,” presented at the 28th Annual Biometric Conference, Victoria, Canada, July 2016.

“Random Intercept Bayesian Additive Regression Trees: Application to Longitudinal Prediction,” poster presented at the International Society for Bayesian Analysis 2016, Florence, Italy, June 2016.

“Multiple Imputation Using the Weighted Finite Population Bayesian Bootstrap,” presented at the 2015 Joint Statistical Meetings, Seattle, Washington, August 2015, and at the 4th IMS Asia Pacific Rim Meeting, Hong Kong, China, June 2016.

“Modelling Menstrual Cycle Length and Variability at the Approach of Menopause by Using Hierarchical Change Point Models,” presented at the Modern Modeling Methods Conference, Storrs, CT, May 2016.

“Principal Stratification is a Tool,” presented at the 2016 Atlantic Causal Conference, New York University, New York, NY, May 2016.

“Unpeaceful Rest: Accounting for Selection Bias due to Censoring by Death,” presented at the Interdisciplinary Seminar in Quantitative Methods, Center for Political Studies, University of Michigan, Ann Arbor, MI, April 2016.

“Residual Variance in Longitudinal Data: Not Just a Nuisance Parameter Anymore,” presented at Department of Biostatistics, Emory University, Atlanta, GA, April 2016.

“Use of Latent Class Models in Joint Modeling of Mean and Variance in Longitudinal Data,” presented at the 5th IMS-China International Conference on Statistics and Probability, Kunming, China, July 2015; and at the 11th International Conference on Health Care Policy Statistics, Providence, RI, October 2015.

“Causal Inference in Injury Epidemiology: A Case Study,” Center for Clinical Epidemiology and Biostatistics, presented at the University of Pennsylvania Department of Medicine, Philadelphia, PA, May 2015.

“Accounting for Complex Sample Designs via Dirichet Process Mixture Models,” presented at Duke University Department of Statistics, Durham, NC, March 2015.

“Accommodating Missingness When Assessing Surrogacy Via Principal Stratification,” presented at the 2014 Australian Statistical Conference of the Institute of Mathematics Statistics, Sydney, Australia, July 2014.

“Discussion of ‘Beyond Traditional Weighting’,” Canadian Statistical Sciences Institute (CANSSI) Workshop, Montreal, Canada, June 2014.

“Weight Trimming for Generalized Linear Models using Laplace Priors,” presented at the 2014 Ghosh Conference, College Park, MD, May 2014.

“Assessing the Surrogate Paradox,” presented at the 2014 International Biometric Society, Eastern North American Region (ENAR), Washington, DC, March 2014, and at the 2015 International Biometric Society, Western North American Region (WNAR), Washington, DC, June 2015.

“Joint Modeling of Mean and Variance in Longitudinal Data to Predict Health Outcomes,” presented at the Department of Biostatistics, Columbia University, NY, February 2014, and at the 2016 International Biometric Society, Eastern North American Region (ENAR), Austin, TX, March 2016.

OTHER PAPER/POSTER PRESENTATIONS (PAST 5 YEARS)

Segal, B.*, **Elliott, M.R.**, Bruan, T., Jiang, H, Gonzales, R. “Tests of Matrix Structure for Construct Validation”, presented at the 2019 American Psychological Association meeting, Chicago, IL, August 2019.

Wager, J., **Elliott, M.R.**, West, B, Coffey, S.. “Using Machine Learning Models to Predict Costs under Alternative Designs in a Responsive Design Framework,” presented at the European Survey Research Organization Meeting 2019, Zagreb, Croatia, July 2019.

Sharma, S., **Elliott, M.R.**. “Can Paradata Predict Interviewer Effects?,” presented at the European Survey Research Organization Meeting 2019, Zagreb, Croatia, July 2019.

Ong, A.I., Lee, S., **Elliott, M.R.**, Chen C. “Relationship between Recruitment Homophily and Variance Estimation for Respondent Driven Sampling Data,” presented at the European Survey Research Organization Meeting 2019, Zagreb, Croatia, July 2019.

Leissou, E., Ridneour, T., Ogden I., **Elliott, M.R.** “Building a Community Sample of New Mothers and Children in a Multi-Pronged Design,” presented at the European Survey Research Organization Meeting 2019, Zagreb, Croatia, July 2019.

Zhou, T.*, **Elliott, M.R.**, Little R.J.A. “Penalized Spline of Propensity Methods for Treatment Comparisons in Longitudinal Treatment Settings,” presented at the Bayesian Causal Inference Workshop, Columbus, Ohio, June 2019.

Segal, B.*, **Elliott, M.R.**, Bruan, T., Jiang, H. “P-splines with an L1 penalty for repeated measures”, presented at the 2019 Symposium on Data Science & Statistics, Bellevue, WA, May 2019.

West, B., Wagner, J., **Elliott, M.R.**, Coffey, S*. “Formulating Prior Information for Bayesian Approaches to Responsive Survey Design,” presented at the 2019 American Association of Public Opinion Research, Toronto, Canada, May 2019.

Lee, S. Chen, C., Ong, A.R., **Elliott, M.R.** “Evaluation of Respondent Driven Sampling for a Web Survey of Racial/Ethnic Minorities,” presented at the 2019 American Association of Public Opinion Research, Toronto, Canada, May 2019.

Elliott, M.R., Rafei, A*, Flannagan, C.A.C. “Big Data for Finite Population Inference: Calibrating pseudo-weights based on estimated control totals using the General Regression

Estimator,” presented at the 2019 American Association of Public Opinion Research, Toronto, Canada, May 2019.

Lee, S., Ong, A.R., Chen, C., **Elliott, M.R.** “Respondent Driven Sampling for Immigrant Populations: An Application to Foreign-Born Korean Americans,” 2019 Comparative Survey Design and Implementation Workshop, Warsaw, Poland, March 2019.

Ong, A.R., Lee, S., **Elliott, M.R.** “Variance Estimation for Respondent Driven Sampling Data,” presented at the 2018 Midwest Association of Public Research Conference, Chicago, IL, November 2018.

Ali, T., **Elliott, M.R.**, Antonucci, T.C., Needham, B.L., Zelner, J.L, Mendes de Leon. C.F. “Cohort Differences in Social Network Types of Older Adults: A Latent Class Approach,” presented at the 2018 Gerontological Society of America Meeting, Boston, MA, November 2018.

Jang, J., Melendez, R., Kim, M., Judd, S., Wadley, V., Colabianchi, N., **Elliott, M.R.**, Manly, J., Clarke, P. “Neighborhood Environments and Racial Disparities in Cognitive Decline with Age,” presented at the 2018 Gerontological Society of America Meeting, Boston, MA, November 2018.

Little, R.J.A., Zhou, T.*, **Elliott, M.R.** “A Robust Multiple Imputation Approach to Causal Inference with Confounding by Indication,” presented at the 2018 Joint Statistical Meetings, Vancouver, Canada, August 2018.

Zhou, T.*, **Elliott, M.R.**, Little, R.J.A. “On Causal Inference in the Presence of Limited Overlap ,” presented at the 2018 Joint Statistical Meetings, Vancouver, Canada, August 2018.

Tan, V.*, **Elliott, M.R.**, Flannagan, C.A.C., "Robust-squared" Imputation Models Using BART,” presented at the 2018 International Society for Bayesian Analysis, Edinburgh, Scotland, June 2018, and at the 2018 Joint Statistical Meetings, Vancouver, Canada, August 2018.

Ali, T.*, Needham, B., Zelner, J., Antonucci, T., **Elliott, M.R.**, Mendes de Leon, C. “A Multidimensional Typology of Social Networks of Older Adults: The National Social Life Health and Aging Project,” presented at the 2018 Society of Epidemiological Research, Baltimore, MD, June 2018.

Sharma, S.*, **Elliott, M.R.** “What Can Computer-generated Paradata Tell Us About the Quality of an Interview?,” presented at the 2018 American Association of Public Opinion Research Annual Meeting, Denver, CO, May 2018.

West, B.T., **Elliott, M.R.**, Mneimneh, Z., Wagner, J., Peytchev A., Trappmann, M. “An Examination of an Interviewer-Respondent Matching Protocol in a Longitudinal CATI Study,” presented at the 2018 American Association of Public Opinion Research Annual Meeting, Denver, CO, May 2018.

Rafei, A*, Flannagan, C.A.C., **Elliott, M.R.** “Calibrating Big Data for Population Inference: Applying Quasi-randomization Approaches to Naturalistic Driving Data using Bayesian Additive Regression Trees,” presented at the Data Science for Transportation Research Challenge Symposium, Ann Arbor, MI, May 2018, at the 2018 American Association of Public Opinion Research Annual Meeting, Denver, CO, May 2018, and at the 2018 Joint Statistical Meetings, Vancouver, Canada, August 2018.

Lee S., Ong, A.R., **Elliott, M.R.** “Two Applications of Respondent-Driven Sampling: Ethnic Minorities and Illicit Substance Users,” presented at the Workshop on Improving Health Research for Small Populations, National Academy of Sciences, Washington, DC, January 2018.

Coffey, S. *, **Elliott, M.R.**, Dahlhamer, J. “Predicting Lag Between First Attempt and First Contact Using Partial Data versus a Bayesian Approach,” presented at the 5th Workshop on Adaptive and Responsive Survey Design, Ann Arbor, MI, November 2017.

Chen, J. *, **Elliott, M.R.**, Valliant, R.V. “Calibrating Non-Probability Samples With Probability Samples Using LASSO,” presented at the 2017 Royal Statistical Society Meeting, Glasgow, UK, September 2017.

Elliott, M.R., Tan, V.,* Flannagan, C.A.C. “Highly Robust Multiple Imputation Models Using ,” BART,” presented at the 2017 Joint Statistical Meetings, Baltimore, MD, August 2017.

Lee, S., **Elliott, M.R.**, Gurtekin, T.S. “Benchmark Assessment of Respondent Driven Sampling Data for Foreign Born Korean Americans,” presented at the 2017 Joint Statistical Meetings, Baltimore, MD, August 2017.

Fischer M., West, B.T., **Elliott, M.R.**, Kreuter, F. “The Impact of Interviewer Effects on Regression Coefficients,” presented at the 2017 American Association of Public Opinion Researchers, New Orleans, LA, May 2017, at the 7th Conference of the European Survey Research Association, Lisbon, Portugal, July 2017, and at the Midwestern Association for Public Opinion Research, Chicago, IL, November 2017.

Lee, S, Chung, D, Ahn J-K., He, W., **Elliott, M.R.**, “Respondent Driven Sampling for Immigrant Koreans in the U.S.: Evaluation from the Total Survey Error Perspective,” presented at the 7th Conference of the European Survey Research Association, Lisbon, Portugal, July 2017.

Palumbo, A., Pfeiffer, M., Kirk, M, **Elliott, M.R.**, Curry, A.E. “Young Driver Compliance with Graduated Driver Licensing Restrictions Before and After Implementation of a Decal Provision,” presented at the Society for Epidemiologic Research 50th Annual Meeting, Seattle, WA, June 2017, and at the Transportation Research Board 97th Annual Meeting, Washington, DC, January 2018.

Bondarenko, I., Li, Y., **Elliott, M.R.**, Taylor, J.M.G., “Multiple Imputation Framework to Estimate Causal Effect of Testing on Treatment Decision,” presented at the 2017 Atlantic Causal Conference, Chapel Hill, NC, May 2017.

Sharma, S.*, and **Elliott, M.R.** “Predicting the Interviewers Behind Interviewer Effects: Exploring the Utility of Computer-generated Paradata to Set Up an Active Interviewer Monitoring System,” presented at the 2017 American Association of Public Opinion Researchers, New Orleans, LA, May 2017.

Kirk M.E., Winston F.W., Metzger K.B., Yerys B.E., Power T.J., **Elliott M.R.**, Curry AE. “Joint and independent associations of ADHD and disruptive behavior disorder with motor vehicle crash risk,” presented at the Pediatric Academic Societies Annual Meeting, San Francisco, CA, May 2017.

Korley, F., Kelen, G., Diaz-Arrasita, R., **Elliott, M.R.**, Falk, H., Rothman, R. “Myocardial Injury Occurs in Traumatic Brain Injury Patients and it is Associated with Poor Outcome,” presented at

the William G. Barsan Emergency Medicine Research Forum, University of Michigan Medical School, April 2017.

Segal, B*, **Elliott, M.R.**, Braun, T., Jiang, H. “P-splines with an l_1 Penalty for Repeated Measures,” presented at the 2017 International Biometric Society, Eastern North American Region (ENAR), Washington, DC, March 2017.

Curry, A., Metzger, A., Kirk, M., **Elliott, M.R.**, Power T., “Joint and Independent Associations of ADHD and Disruptive Behavior Disorder with Motor Vehicle Crash Risk,” presented at the Transportation Research Board 96th Annual Meeting, Washington, DC, January 2017.

Clarke, P.J., **Elliott, M.R.**, Gallagher N., Sinkewicz M., Magee, W., “Function and Self-Rated Health: The Role of Optimism,” presented at the Gerontological Society of American Annual Meeting, New Orleans, LA, November 2016.

Harlow, S.D., **Elliott, M.R.**, Karvonen-Gutierrez C., Bondarenko, I., Reed, B., Miller J.M., Avis, N.E., Bromberger, J., Mori Brooks, M., Sternfeld, B. “Symptom Clustering Across the Menopausal Transition: Study of Women’s Health Across the Nation (SWAN),” presented at the 15th World Congress on Menopause, Prague, Czech Republic, September 2016.

Tan, Y.V.* , Flannagan, C.A.C., **Elliott, M.R.**, “Predicting Human Driving Behavior to Help Driverless Vehicles Drive: Random Intercept Bayesian Additive Regression Trees,” presented at the 2016 Joint Statistical Meetings, Chicago, IL, August 2016, and at the 2017 International Biometric Society, Eastern North American Region (ENAR), Washington, DC, March 2017.

Yan, Y.* , **Elliott, M.R.**, West, B., Waldron, W., “Generating Correlated Synthetic Binary Indicators of Radio Listening Behavior for Long-Term Projections, presented at the 2016 Joint Statistical Meetings, Chicago, IL, August 2016. (Winner of the 2016 Survey Research Methods Section Poster Award at the Joint Statistical Meetings.)

Segal, B.* , Braun, T. **Elliott, M.R.**, Jiang H., “Fast approximation of small p-values in permutation tests by partitioning the permutation space,” presented at the 2016 Joint Statistical Meetings, Chicago, IL, August 2016.

Zhou, T.* , **Elliott, M.R.**, Little, R.J.A., “A Multiple-Imputation Based Doubly Robust Estimation of Treatment Effects in Longitudinal Studies,” presented at the 2016 International Biometric Society, Eastern North American Region (ENAR), Austin, TX, March 2016, and at the 2017 Atlantic Causal Conference, Chapel Hill, NC, May 2017.

Clarke, P.J., Leggett, A., Zivin, K., McCammon, R., **Elliott, M.R.**, Langa, K. “Cohort Differences in Cognitive Functioning: How Much Do Demographics, Education, and Health Explain?,” presented at the Gerontological Society of American Annual Meeting, Orlando, FL, November 2015.

Gonzalez, R., Mejía, S., Dey, R., **Elliott, M.R.**, Hooker, K, Smith, J. “Doing Justice to Your Research Question: New Approaches to Analyzing Data With Intensive Repeated Measures,” presented at the Gerontological Society of American Annual Meeting, Orlando, FL, November 2015.

Elliott, M.R., Zhou, H.*, Raghunathan, T.E. "Multiple Imputation Using the Weighted Finite Population Bayesian Bootstrap," presented at the 2015 Joint Statistical Meetings, Seattle, WA, August 2015.

Taylor, J.M.G., Conlon, A.S.C.*, **Elliott, M.R.** "Causal Approaches to Surrogacy," presented at the 2015 Joint Statistical Meetings, Seattle, WA, August 2015.

Tan, V.T*, **Elliott, M.R.**, Flannagan, C.A.C. "Development of a Real-Time Prediction Model of Driver Behavior at Intersections Using Kinematic Time Series Data," presented at the 2015 Joint Statistical Meetings, Seattle, WA, August 2015.

West, B.W., **Elliott, M.R.** "'Clustering by Interviewer': A Source of Variance Unaccounted for in Single-Stage Health Surveys," presented at the Statistical Society of Canada Annual Meeting, Halifax, Canada, June 2015.

Mirman, J.H., Curry, A., Shultheis, M.T., Winston, F.K., **Elliott, M.R.**, Thiel, M.F Lee, Y-C, Durbin, D.R., "Optimizing Parent-Supervised Practice: Development and Evaluation of TeenDrivingPlan," presented at the 94th Transportation Board Annual Meeting, Washington, DC, January 2015.

West, B.W., **Elliott, M.R.** "New Methodologies for the Study and Decomposition of Interviewer Effects in Surveys", presented at the 2014 International Total Survey Error Workshop, Washington, DC, October 2014

Sammel, M.D., *Jiang, B., Freedman, E.W., **Elliott, M.R.**, Wang, N. "Within-woman Variability in Early Follicular Phase Follicle Stimulating Hormone (FSH) is Associated with Incident Moderate/Severe Hot Flashes in the Menopausal Transition," presented at the American Society for Reproductive Medicine 2014 Annual Meeting, Honolulu, HI, October 2014.

Xi X.*, **Elliott, M.R.**, "Weight Trimming for Generalized Linear Models using Laplace Priors," presented at the 2014 Joint Statistical Meetings, Boston, MA, August 2014.

Curry A.E., Pfeiffer M.R., Kim K.H., **Elliott M.R.**, Durbin D.R.. "Novel Methods to Estimate Population-Level Young Driver Compliance with Graduated Driver Licensing Restrictions," presented at the Society for Epidemiologic Research Conference, Seattle, WA, June 2014.

Curry A.E., **Elliott M.R.**, Pfeiffer M.R., Kim K.H., Durbin D.R. "Longer-term effects of New Jersey's Graduated Driver Licensing Decal Provision on Young Learner and Intermediate Drivers' Crash Rates," presented at the Society for Epidemiologic Research Conference, Seattle, WA, June 2014.

Huang, X.*, **Elliott, M.R.**, Harlow S.D. "Multiple Imputation in Complex Sample Designs Using the Weighted Finite Population Bayesian Bootstrap," presented at the 2014 Ghosh Conference, College Park, MD, May 2014

Conlon, A.S.C.*, Taylor, J.M.G., **Elliott, M.R.** "Surrogacy Assessment Using Principal Stratification and a Gaussian Copula Model," presented at the 2014 Atlantic Causal Inference Conference, Providence, RI, May 2014.

Mneimneh Z.N.*, Couper M.P., Tourangeau R., Pennell B-E, Heeringa S.G., **Elliott M.R.** “Cultural Variations in the Effect of Interview Privacy and the Need for Social Conformity on Reporting Sensitive Outcomes,” presented at the 69th American Association for Public Opinion Research Conference, Anaheim, CA, May 2014.

Taylor, J.M.G., Conlon, A.S.C.*, **Elliott, M.R.** “Surrogacy Assessment Using Principal Stratification,” 2014 University of Pennsylvania Annual Conference on Statistical Issues in Clinical Trials, Philadelphia, PA, April 2014.

Xia, X. *, **Elliott, M.R.** “Dirichlet Process Mixture Extension Model to Accommodate Complex Sample Designs for Linear and Quantile Regression,” presented at the 2014 International Biometric Society, Eastern North American Region (ENAR), Baltimore, MD, March 2014.

Jiang, B. *, Wang, N., Sammel, M.D., **Elliott, M.R.** “Modeling Short- and Long-Term Characteristics of Follicle Stimulating Hormone as Predictors of Severe Hot Flashes in the Penn Ovarian Aging Study,” presented at the 2014 International Biometric Society, Eastern North American Region (ENAR), Baltimore, MD, March 2014.

Curry A.E., Durbin, D., Pfeiffer M.R., Myers R.K., **Elliott M.R.**, Kim K. “Using Novel Methods to Estimate Population-Level Prevalence and Predictors of Young Drivers’ Compliance with Graduated Driver Licensing Restrictions,” presented at the Transportation Research Board 93rd Annual Meeting, Washington DC, January 2014.

OTHER PRESENTATIONS (PAST 5 YEARS)

“Modern Multiple Imputation,” workshop presented at the Eastern North American Region of the International Biometrics Society, Philadelphia, PA, March 2019.

“Expanding Your Big Data Analytics Toolkit for Biomedical Research,” workshop presented by Global Statcore at the University of Michigan School of Public Health, Addis Ababa, Ethiopia, May-June 2018.

“Bayesian Inference in Finite Population Settings,” workshop presented at the National Center for Health Statistics, Hyattsville, MD, October 2015.

EDITORIAL POSITIONS

Editor, *Journal of Survey Statistics and Methodology*, 2019-

Associate Editor, *Journal of Survey Statistics and Methodology*, 2016-2018

Associate Editor, *Journal of the American Statistical Association*, 2012-2018.

Associate Editor, *Journal of the Royal Statistical Society, Series C (Applied Statistics)*, 2012-2015.

Associate Editor, *Journal of Official Statistics*, 2003-2012.

Editorial Board, *Public Opinion Quarterly*, 2010-.

Editorial Board, *Journal of Safety Research*, 2007-2012.

TEACHING EXPERIENCE

Fundamentals of Inference (with Yan Li and Trivellore Raghunathan), Michigan Program in Survey Methodology, Fall Semester 2018.

Methods and Theory of Sample Design, Joint Program in Survey Methodology/Michigan Program in Survey Methodology/University of Michigan School of Public Health, Department of Biostatistics, Winter Semester 2016, 2017, 2018, 2019.

Advanced Analysis of Repeated Measurements, University of Michigan School of Public Health, Department of Biostatistics, Fall Semester 2010, 2014.

Applied Bayesian Inference, University of Michigan School of Public Health, Department of Biostatistics, Winter Semester 2000, 2010.

Doctoral Seminar, Joint Program in Survey Methodology/Michigan Program in Survey Methodology, Fall Semester 2009 (with Roger Tourangenu), Fall Semester 2010 (with Roger Tourangenu), Fall Semester 2013 (with Frauke Kreuter), Winter Semester 2014 (with Frauke Kreuter), Fall Semester 2014 (with Fred Conrad), Winter Semester 2015 (with Frauke Kreuter).

Design and Analysis of Biostatistical Investigations, University of Michigan School of Public Health, Department of Biostatistics, Winter Semester 2009 (with Jeremy Taylor), Winter Semester 2012 (with Brisa Sanchez), Winter Semester 2014 (with Tom Braun).

Fundamentals of Survey Methodology, Michigan Program in Survey Methodology, Fall Semester 2008, 2009, 2010 (with Mick Couper, Fred Conrad, Eleanor Singer).

Regression Models in Complex Sample Design Settings, Joint Program in Survey Methodology/Michigan Program in Survey Methodology, Fall Semester 2007, 2008, 2011.

Analysis of Survey Data III, Institute for Social Research Summer Institute, July 2006, 2007 (with Marc Musick, Steve Gulyas).

Applied Statistics II: Extensions for Linear Regression, University of Michigan School of Public Health, Department of Biostatistics, Winter Semester 2006, 2007, 2008.

Applied Bayesian Statistics, University of Pennsylvania School of Medicine, Department of Biostatistics and Epidemiology, Spring Semester 2002, 2004.

Generalized Linear Models, University of Michigan School of Public Health Department of Biostatistics, Winter Semester 2000 (with Mark Becker).

POST-DOCTORAL ADVISEES

Anna Conlon (with Jeremy Taylor), Biostatistics, University of Michigan, 2013-2014.

DOCTORAL STUDENT THESIS ADVISEES

Jungyeon Wong, Biostatistics, University of Michigan, 2019- (with Brisa Sanchez)

Emily Roberts, Biostatistics, University of Michigan, 2018- (with Jeremy Taylor)

Yuqi Zhai, Biostatistics, University of Michigan, 2018- (with Trivellore Raghunathan)

Johnathan Mendelson, Survey Methodology, University of Maryland, 2018- (with Joseph Sedransk)

Ali Rafei, Survey Methodology, University of Michigan, 2018- (Winner, 2018 Allen McCutcheon Award, Midwest Association of Public Opinion Research; Winner, GSS/SSS/SRMS 2019 Joint Statistical Meeting Travel Award)

Stephanie Coffey, Survey Methodology, University of Maryland, 2017-

Vincent Tan, Biostatistics, University of Michigan, 2015-2018 (Winner, 2015 Transportation Research Board Data Analysis Contest; Winner, 2017 Joint Statistical Meetings Survey Methods Section SPEED poster competition) (Post-doctoral candidate, Rutgers University)

Tingting Zhou (with Roderick Little), Biostatistics, University of Michigan, 2015-2018. (Staff Fellow, Food and Drug Administration)

Sharan Sharma, Survey Methodology, University of Michigan, 2015-2018 (Winner, 2017 American Association of Public Opinion Research Student Travel Award; Winner, Best Oral Presentation, 2018 Michigan Student Symposium for Interdisciplinary Statistics Sciences; Winner, GSS/SSS/SRMS 2019 Joint Statistical Meeting Travel Award) (Assistant Research Professor, Department of Sociology, University of Maryland)

Brian Segal (with Tom Braun and Hui Jiang), Biostatistics, University of Michigan, 2014-2017 (Winner, Rackham Pre-Doctoral Fellowship 2016-2017; Winner, 2017 Biometrics Section Student Paper Award, 2017 Joint Statistical Meetings) (Quantitative Scientist, Flatiron Health).

Jack Chen, Survey Methodology, University of Michigan, 2014-2015 (Statistician, Survey Monkey Inc.)

Xi Xia, Biostatistics, University of Michigan, 2010-2014 (Data Scientist, Ford Motor Corp.)

Hanzhi Zhou (with Trivellore Raghunathan) , Survey Methodology, University of Michigan, 2009-2014 (Statistician, Mathematica Policy Research)

Bei Jiang (with Naisyin Wang), Biostatistics, University of Michigan, 2011-2014 (Assistant Professor, University of Alberta Department of Statistics)

Anna Conlon (with Jeremy Taylor), Biostatistics, University of Michigan, 2011-2013 (Lead statistician, University of Michigan School of Medicine)

Zeina Mneimneh (with Steve Heeringha), Survey Methodology, University of Michigan, 2009-2013 (2013 AAPOR Janet A. Harkness Student Paper Award Winner) (Assistant Research Scientist, Institute for Social Research, University of Michigan)

Qi Dong (with Trivellore Raghunathan), Survey Methodology, University of Michigan, 2009-2012 (Data Science Manager, Uber Inc.)

Xin Gao, Biostatistics, University of Michigan, 2008-2012 (2010 APHA Statistics Section Student Research Competition Winner) (Mathematical Statistician, Food and Drug Administration)

Shelby Huang, Biostatistics, University of Michigan, 2007-2010 (Principle Scientist – Biostatistics, Biogen)

Qixuan Chen (with Roderick Little), Biostatistics, University of Michigan, 2006-2009 (2009 E.C. Bryant Scholarship Winner) (Associate Professor, Department of Biostatistics, Columbia University)

Yun Li (with Jeremy Taylor), Biostatistics, University of Michigan, 2006-2008 (Associate Research Professor, University of Michigan Department of Biostatistics)

Julia Lin, Biostatistics, University of Pennsylvania, 2004-2006. (Statistician, Apple Inc.)

Mark Donovan (with Daniel Heitjan), Biostatistics, University of Pennsylvania, 2003-2006. (Director, Biostatistics, Bristol-Meyers-Squibb)

OTHER STUDENT ADVISING

Research Assistant

Sharanya Chandran, Biostatistics, University of Michigan, 2018-

Yuqi Zhai, Biostatistics, University of Michigan, 2017-

Yuqing Lin, Biostatistics, University of Michigan, 2016-2017

Ali Rafei, Survey Methodology, University of Michigan, 2016-

Ronak Dey, Biostatistics, University of Michigan, 2014-2015

Brian Segal, Biostatistics, University of Michigan, 2013-2017

Sharan Sharma, Survey Methodology, University of Michigan, 2013-

Vincent Tan, Biostatistics, University of Michigan, 2013-2018

Hanzhi Zhou, Survey Methodology Program, University of Michigan, 2011-2013

Xi Xia, Biostatistics, University of Michigan, 2010-2012

Bei Jiang (with Lu Wang), Biostatistics, University of Michigan, 2009-2012

Angelo Karaboyas, Biostatistics, University of Michigan, 2009-2010

Xin Gao, Biostatistics, University of Michigan, 2008-2011

Alexa Resler, Biostatistics, University of Michigan, 2008

Xiaobi Huang, Biostatistics, University of Michigan, 2007-2010

Jack Chen, Biostatistics, University of Michigan, 2005-2007

Ye Zhong, Biostatistics, University of Pennsylvania, 2004-2005

Thesis Committee

Micha Fischer, Survey Methodology, University of Michigan, 2018-

Alexis Reeves, Epidemiology, University of Michigan, 2018-

Andrew Mercer, Survey Methodology, University of Maryland, 2017-2108

Dongqing Wang, Epidemiology, University of Michigan, 2017-

Talha Ali, Epidemiology, University of Michigan, 2017-
Adam Hall, Statistics, University of Michigan, 2016-
Paul Imbriano, Biostatistics, University of Michigan, 2016-2018
Zhuqing Liu, Biostatistics, University of Michigan, 2015-2016
Ye Yang, Biostatistics, University of Michigan, 2014-
Lindsey Pool, Epidemiology, University of Michigan, 2014-2015
Jihyun Cho, Epidemiology, University of Michigan, 2014-2016
Pangaja Paramsothy, Epidemiology, University of Michigan, 2011-2012
Sahar Zangeneh, Statistics, University of Michigan, 2010-2012
Carrie Hosman, Statistics, University of Michigan, 2010-2011
Nanhua Zhang, Biostatistics, University of Michigan, 2009-2011
Kimberly Henry, Survey Methodology, University of Maryland, 2009-2011
Timothy Kennel, Survey Methodology, University of Maryland, 2009-2013
Dan Liao, Survey Methodology, University of Maryland, 2009-2010
Lauretta Ovadje, Environmental Health Sciences, University of Michigan, 2008-2013
Jian Zhu, Biostatistics, University of Michigan, 2008-2016
Rebecca Andridge, Biostatistics, University of Michigan, 2008-2009
Yan Zhou, Biostatistics, University of Michigan, 2008-2009
Michael Bader, Sociology, University of Michigan, 2008-2009
Mandy Yu, Survey Methodology, University of Michigan, 2007-2008
Di An, Biostatistics, University of Michigan, 2007-2008
Alli Bell, Education, University of Michigan, 2006-2010
Andrea Steege, Epidemiology, University of Michigan, 2006-2008
Mary H. Freire de Carvalho, Epidemiology, University of Michigan, 2006-2008
Gerardo Alvarez, Epidemiology, University of Michigan, 2006
Jessica Faul, Epidemiology, University of Michigan, 2005-2006
Ben Leiby, Biostatistics, University of Pennsylvania, 2004-2006
Gui-shaug Zhong, Biostatistics, University of Pennsylvania, 2003-2004
Zahyun Zhao, Statistics, University of Pennsylvania, 2003

Academic Advisor

Tianyi Xie, Data Science, University of Michigan, 2018-
Bowden Yin, Data Science, University of Michigan, 2018-
Xiangyu Fan, Data Science, University of Michigan, 2018-
Yanlin Yang, Data Science, University of Michigan, 2018
Yixi Li, Survey Methodology Program, University of Michigan, 2018-
Lakhpreet Gill, Survey Methodology Program, University of Michigan, 2017-2018
Joseph Naiman, Biostatistics, University of Michigan, 2014-2018
Jingshu Xu, Biostatistics, University of Michigan, 2014-2015
Rui Wu, Biostatistics, University of Michigan, 2013-2015
Ashley Cotton, Biostatistics, University of Michigan, 2013
Jane Park, Survey Methodology Program, University of Michigan, 2011-2012
Pawel Paczuski, University of Michigan, 2011-2012
David Kim, Biostatistics, University of Michigan, 2010-2012
Hai Shu, Biostatistics, University of Michigan, 2010-2011
Laura Helmkamp, Biostatistics, University of Michigan, 2010-2012
Uiyong Kim, Survey Methodology Program, University of Michigan, 2010-2012
Angelo Karaboyas, Biostatistics, University of Michigan, 2009-2010
Zaoli Zhang, Survey Methodology Program, University of Michigan, 2009-2011
Hyun Jung Lee, Survey Methodology Program, University of Michigan, 2009-2011

Jack Chen, Survey Methodology Program, University of Michigan, 2007-2010

Su Chen, Biostatistics, 2007-2010

Chan Zhang, Survey Methodology Program, University of Michigan, 2007-2009

Lynette Zickl, Biostatistics, 2007-2009

Kevin Chang, Biostatistics, 2007-2009

Meihua Wu, Biostatistics, 2007-2008

Erica Zawacki, Survey Methodology Program, University of Michigan, 2006-2007

Maria Larkina, Biostatistics, University of Michigan, 2006-2007

Fei Wang, Survey Methodology Program, University of Michigan, 2006-2007

Jing Su, Biostatistics, University of Michigan, 2006-2007

Robin Ayoub, Biostatistics, University of Michigan, 2006-2007

Yizi Zhang, Survey Methodology Program, University of Michigan, 2006-2007

Jeffrey Wing, Biostatistics, University of Michigan, 2005-2006

Robert Krafty, Biostatistics, University of Pennsylvania, 2002-2003

Li Qin, Biostatistics, University of Pennsylvania, 2000-2002

Biostatistics Advisor

Julie Maslowsky, Psychology, University of Michigan, 2009-2011

Pearl Lee, Clinical Research Design and Statistical Analysis, University of Michigan, 2007-2009

Marina Catalozzi, Epidemiology, University of Pennsylvania, 2004-2012

Shamir Shah, Clinical Epidemiology, University of Pennsylvania, 2004-2007

Sandra Schwab, Clinical Epidemiology, University of Pennsylvania, 2005

John Sun, Clinical Epidemiology, University of Pennsylvania, 2004-2005

Douglas Ivins, Clinical Epidemiology, University of Pennsylvania, 2004

Aaron Donohue, Clinical Epidemiology, University of Pennsylvania, 2002-2005

Linda Brown, Clinical Epidemiology, University of Pennsylvania, 2002-2005

Steven Kawet, Clinical Epidemiology, University of Pennsylvania, 2001-2004

Athena Zuppa, Clinical Epidemiology, University of Pennsylvania, 2001-2004

Marsha Covitz, Clinical Epidemiology, University of Pennsylvania, 2001-2005

ACADEMIC SERVICE

Biostatistics Core

Member, Global Stat Core, University of Michigan School of Public Health

Training Grants

Member, T32 Public Health Aging Executive Committee, 2011-.

Committees

University of Michigan Masters of Data Science Committee, 2016-

University of Michigan Grievance Committee, 2016-

University of Michigan Data Security Oversight Committee, 2016-

Advisory Committee on Academic Programs, University of Michigan School of Public Health, 2016-

University of Michigan Transportation Research Institute Advisory Committee, 2015-2017

Committee on Undergraduate Programs, University of Michigan School of Public Health, 2015-

Curriculum Committee, Department of Biostatistics, University of Michigan School of Public Health, 2005-2007, 2012- (Chair 2015-)

Practice Committee, University of Michigan School of Public Health, 2008-2016.

Senior Staff Advisory Committee, Institute for Social Research, 2010-2012.

Chair, Student Affairs Committee, Department of Biostatistics, University of Michigan School of Public Health, 2007-2012.

Candidacy Committee, Department of Biostatistics, University of Michigan School of Public Health, 2007-2012.

Summer Institute Advisory Committee, Survey Research Center, University of Michigan Institute for Social Research, 2005-.

Seminar Committee, Department of Biostatistics, University of Michigan School of Public Health, 2005-2007.

Symposium Planning Committee, University of Michigan School of Public Health, 2006, 2010.

Executive Committee, Division of Biostatistics, University of Pennsylvania School of Medicine Department of Biostatistics and Epidemiology, 2004-2005.

Service Center Committee, University of Pennsylvania School of Medicine Department of Biostatistics and Epidemiology, 2002-2005.

Chair, Student Computing Committee, Division of Biostatistics, University of Pennsylvania School of Medicine Department of Biostatistics and Epidemiology, 2001-2005.

Admissions Committee, Division of Biostatistics, University of Pennsylvania School of Medicine Department of Biostatistics and Epidemiology, 2000-2005.

Student Funding Committee, Division of Biostatistics, University of Pennsylvania School of Medicine Department of Biostatistics and Epidemiology, 2000-2002.

Computing Committee, Division of Biostatistics, University of Pennsylvania School of Medicine Department of Biostatistics and Epidemiology, 2000-2002.

Advisor/Director

Program Coordinator, Survey Methodology Program, Institute for Social Research, 2010-2018.

Faculty Director, Statcom@umich (Winner of 2018 University of Michigan Student Leadership Professional Organization of the Year) (co-director with Cathy Spino, 2015-2018), 2007-2018.

Faculty Advisor, Michigan Student Symposium for Interdisciplinary Statistical Sciences, 2007-2012.

PROFESSIONAL SERVICE

National Academies Panels

Panel on the Review and Evaluation of the 2014 Survey of Income and Program Participation Content and Design, 2014-2018.

National Institute for Statistical Science Panels

National Center for Education Statistics, National Postsecondary Student Aid Study Design Panel 2016.

Department Review Panels

Biostatistics Branch of National Cancer Institute, Intramural Program, June 2018.

Grant Reviews

PCORI Grant Reviewer, May 2016.

Statistical Grant Reviewer, National Institute of Health Community Influences on Health Behavior, 2011-2015 (Temporary Member October 2010).

Statistical Grant Reviewer, National Institute of Health AIDS Clinical Studies and Epidemiology (Temporary Member), November 2007.

Statistical Grant Reviewer, American Cancer Society's Health Policy and Health Services Research Committee (Temporary Member), January 2007.

Statistical Grant Reviewer, National Institute of Health Biostatistics Methods and Research Design (Temporary Member), October 2014, October 2005, February 2005.

Statistical Grant Reviewer, National Institute of Health Special Emphasis Panels, May 2019, January 2014, March 2011, November 2006, March 2004, March 2003.

Statistical Grants Reviewer, National Science Foundation, April 2010, June 2009, October 2005, May 2004.

Conference Organizing

24th Summer Working Group on Model-Based Clustering, Ann Arbor, MI: Organizing Committee

Advances in Causal Inference, Survey Statistics, Disclosure Risk, and Missing Data: A Conference in Honor of Rod Little's 65th Birthday, Ann Arbor, MI: Chair.

2011 Atlantic Causal Conference, Ann Arbor, MI: Co-Chair

Joint Statistical Meetings 2010, Vancouver, Canada: Survey Methodology Chair.

7th International Conference on Health Policy Research (ICHPR) 2008, Philadelphia, PA: Executive Committee Member.

Joint Statistical Meetings 2005, Minneapolis, MN: General Methodology Chair.

Eastern North American Biometrics Society 2004 Meeting, Pittsburgh, PA: ASA Survey Methodology Representative.

Committee and Board Membership

Member, Savage Award Committee, 2018.

Chair, Data Safety and Monitoring Board, "PONDER-ICU Study," PI: Scott Halpern, M.D., University of Pennsylvania School of Medicine, 2017-.

Member, Data Harmonization Working Group, Environmental Influence on Child Health Outcomes (ECHO) Program, 2016-

Member, Data Analysis Working Group, Environmental Influence on Child Health Outcomes (ECHO) Program, 2016-

Chair, Survey Research Methods Section, American Statistical Association, 2015 (Chair Elect 2014, Post-chair 2016)

Chair, Data Safety and Monitoring Board, "Cognitive Therapy for Suicidal Older Men," PI: Greg Brown, M.D., University of Pennsylvania School of Medicine, 2013-2017

Member, Data Safety and Monitoring Board, "Way to Quit Study," PI: Scott Halpern, M.D., University of Pennsylvania School of Medicine, 2010-2015.

Member, Publication Team Working Group, National Children's Study, 2008-2012.

Member, Sampling Team Working Group, National Children's Study, 2008-2010.

Chair, Behavioral Risk Factor Surveillance Survey Oversight committee, organized by the American Statistical Association at the request of the Centers for Disease Control, 2006-2012 (Member 2002-2005).

Member, Data Safety and Monitoring Board, "Early Cognitive Intervention for Suicide Attempters," PI: Greg Brown, M.D., University of Pennsylvania School of Medicine, 2003-2008.

PROFESSIONAL ASSOCIATION MEMBERSHIP

American Association of Public Opinion Research (2017-)
International Statistical Institute (2006-)
Association for the Advancement of Automotive Medicine (2005-2016)
Eastern North American Biometrics Society (2000-)
Royal Statistical Society (2000-)
American Statistical Association (1995-)

OTHER PROFESSIONAL ACTIVITIES

Book Reviews

1. *Analysis of Health Surveys*, Korn, E.L., and Graubard, B.I., New York: Wiley, 1999, *Journal of the American Statistical Association* (2001), **96**, 351-352.
2. *Regression Methods in Biostatistics: Linear, Logistic, Survival, and Repeated Measures Models*, Vittinghoff, E., Glidden, D.V., Shiboski, S.C., McCulloch, C.E., New York: Springer, 2005, *Biometrics* (2006), **62**, 1271-1272.

Textbook Reviewer

CRC Press
Springer-Verlag Publishers

Journal Referee

American Journal of Epidemiology
American Journal of Preventative Medicine
Annals of Applied Statistics
Australian and New Zealand Journal of Statistics
Bayesian Analysis
Biometrics
Biometrika
Biostatistics
Bulletin of the World Health Organization
Canadian Medical Association Journal
Clinical Trials
Communications in Statistics – Simulation and Computation
Demographics
Drug Safety
Electronic Journal of Statistics
Entropy
Epidemiology
Ethnicity and Health
Injury Prevention
Journal of Adolescent Health
Journal of the American Statistical Association
Journal of Biopharmaceutical Statistics
Journal of Causal Inference
Journal of Computational and Graphical Statistics
Journal of Educational and Behavioral Statistics

Journal of Epidemiology and Community Health
Journal of Gerontology: Social Science
Journal of Official Statistics
Journal of Pediatric Psychology
Journal of Statistical Computation and Simulation
Journal of Statistical Planning and Inference
Journal of the Royal Statistical Society (Series B: Statistical Methodology)
Journal of the Royal Statistical Society (Series C: Applied Statistics)
Journal of Studies on Alcohol and Drugs
Journal of Survey Statistics and Methodology
Mathematical Population Studies
Metron
Multivariate Behavioral Research
Pediatrics
Population Studies
Proceedings of the National Academy of Sciences
Psychological Methods
Public Opinion Quarterly
Research Synthesis Methods
Social Behavior and Personality: An International Journal
Sociological Methodology
Sociological Methods and Research
Stapp Car Crash Journal
Statistica Sinica
Statistical Methods for Medical Research
Statistical Science
Statistics and Probability Letters
Statistics in Medicine
Survey Methodology
Test
Traffic Injury Prevention