

**JUNED SIDDIQUE, Dr.P.H.**

**Business Address:** Department of Preventive Medicine  
Feinberg School of Medicine  
Northwestern University  
680 N. Lake Shore Drive, Suite 1400  
Chicago, IL 60611

**Business Phone:** 312-908-9241  
**E-mail:** siddique@northwestern.edu

**EDUCATION**

<b>Date degree awarded</b>	<b>Institution</b>	<b>Degree</b>	<b>Discipline</b>
May 1995	University of Wisconsin-Madison	B.S.	Economics
May 2000	George Washington University	M.S.	Statistics
December 2005	University of California, Los Angeles	Dr.P.H.	Biostatistics

**TRAINING**

Not applicable

**LICENSURE/CERTIFICATION**

Not applicable

**ACADEMIC APPOINTMENTS**

<b>Dates</b>	<b>Title</b>	<b>Institution</b>	<b>Department</b>
2005-2008	Research Associate (Assistant Professor)	University of Chicago	Health Studies
2008-2014	Assistant Professor	Northwestern University, Feinberg School of Medicine	Preventive Medicine
2014-2017	Associate Professor	Northwestern University, Feinberg School of Medicine	Preventive Medicine
2014-2017	Associate Professor	Northwestern University Feinberg School of Medicine	Psychiatry and Behavioral Sciences
2017-present	Associate Professor (with tenure)	Northwestern University, Feinberg School of Medicine	Preventive Medicine
2017-present	Associate Professor (with tenure)	Northwestern University Feinberg School of Medicine	Psychiatry and Behavioral Sciences
2011-present	Full Member	Northwestern University	Robert H. Lurie Comprehensive Cancer Center

**HOSPITAL APPOINTMENTS**

Not applicable

## **HONORS AND AWARDS**

- 2001-2003 Public Health Traineeship, U.S. Department of Health and Human Services, UCLA Department of Biostatistics
- 2003 Student Travel Award, UCLA Department of Biostatistics
- 2004-2005 Ruth L. Kirschstein Individual National Research Service Award Predoctoral Fellowship (F31), National Institute of Mental Health
- 2009 Travel Award, ENAR Workshop for Junior Biostatisticians in Health Research
- 2016 Fellow, American Statistical Association

## **PROFESSIONAL ORGANIZATIONS**

American Statistical Association, 1998-present

Health Policy Statistics Section

Secretary, 2010-2012

Program Chair-Elect, 2013

Program Chair, 2014

Founding Member, Mental Health Statistics Section

Communications Officer, 2013-2014

Chair-Elect, 2015

Chair, 2016

Past-Chair, 2017

International Biometric Society

Publication Review Group: 2016-present

Western North American Region (WNAR), 2002-2005

Eastern North American Region (ENAR), 2005-present

Regional Advisory Board, 2010-2013

Student Competition Review Committee, 2011-2012

American Heart Association, 2013-present

American College of Sports Medicine, 2013-present

## **PROFESSIONAL ACTIVITIES:**

### **INSTITUTIONAL SERVICE**

2009-2017, Member, Program in Public Health (PPH) Curriculum Committee, Northwestern University Feinberg School of Medicine, Department of Preventive Medicine

2010-present, Member, Galter Health Sciences Library Committee, Northwestern University Feinberg School of Medicine

2011-2017, Chair, PPH Curriculum Committee, Northwestern University Feinberg School of Medicine, Department of Preventive Medicine

2011-2017, Member, PPH Executive Committee, Northwestern University Feinberg School of Medicine, Department of Preventive Medicine

2011, Judge, Northwestern University Feinberg School of Medicine Public Health Innovation Conference

2016, Judge, Northwestern University Feinberg School of Medicine Lewis Landsburg Research Day

## TEACHING

Summers 2006-2008

Course Director

University of Chicago Pritzker School of Medicine

Introduction to STATA

Summer Research Program (1<sup>st</sup> year medical students)

Summer 2008

Course Director

University of Chicago Department of Health Studies

Introduction to Biostatistics (HSTD 32100)

Master of Science in Health Studies for Clinical Professionals (MSCP) Program

Summers 2010-2012

Course Director

Northwestern University Department of Preventive Medicine

Introduction to Biostatistics (EPI BIO 302)

Master of Science in Epidemiology and Biostatistics (MSEB) Program

## TRAINEES

Years	Name (Position)	Project Title	Role
2011-2015	Kelly Glazer Baron, PhD MPH, CBSM (Assistant Professor)	K23: Circadian Timing, Sleep, and Adiposity	Statistical consultant
2012-2017	Michelle Burns, PhD (Assistant Professor)	K07: Tech-Based Treatment of Depression and Anxiety in Young Men Who Have Sex with Men	Statistical consultant
2015-present	Siobhan M. Phillips, PhD (Assistant Professor)	K07: Designing with Dissemination in Mind: Optimization of a mHealth Physical Activity Intervention for Breast Cancer Survivors	Co-mentor
2015-present	Lisa B. VanWagner, MD, MS (Assistant Professor)	KL2: Prediction of nonalcoholic fatty liver disease using a lifecourse approach	Statistical consultant
2016-present	Whitney A. Welch, PhD (Postdoctoral Fellow)	T32: Behavioral and Psychosocial Research Training Program in Cancer Prevention and Control	Co-mentor
2017-present	Caroline P. Groth, PhD (Postdoctoral Fellow)	R01: Statistical methods to correct for measurement error in self-reported dietary data from lifestyle intervention trials	Mentor

## EXTRAMURAL MEMBERSHIP

### Grant Review

2016-2019 Standing Member, National Institute of Mental Health, Mental Health Services Research Committee (SERV)

### Participation on National Advisory Panels

2016-2017 National Academy of Sciences, Panel on the Review of the Compliance, Safety, Accountability Program of the Federal Motor Carrier Safety Administration

## **Conference Organization**

- 2005 Conference Session Organizer, "Multiple Imputation in Mental Health Services Research," Joint Statistical Meetings, Minneapolis, MN, August 2005
- 2008 Invited Session Organizer, "Future Directions in Health Policy Statistics," International Conference on Health Policy Statistics, Philadelphia, PA, January 2008
- 2010 Organizing Committee, International Conference on Health Policy Statistics
- 2011 Organizing Committee, International Conference on Health Policy Statistics
- 2013 Organizing Committee, International Conference on Health Policy Statistics
- 2013 Invited Session Organizer, "Statistical methods for data synthesis," International Conference on Health Policy Statistics, Chicago, IL. October 2013.
- 2013 Invited Session Organizer, "Novel Approaches for Modeling Variance in Longitudinal Studies," Eastern North American Region of the International Biometrics Society Meeting, Orlando, Florida. March 2013.
- 2015 Organizing Committee, International Conference on Health Policy Statistics
- 2015 Invited Session Organizer, "Joint models for the analysis of longitudinal health-related outcomes," International Conference on Health Policy Statistics, Providence, RI. October 2015.
- 2016 Invited Session Organizer, "Combining data from multiple sources: Examples from health policy," Joint Statistical Meetings, Chicago, IL. August 2016.
- 2016 Invited Session Organizer, "Combining data from multiple sources: Applications to Health Outcomes Research," Eastern North American Region of the International Biometrics Society Meeting, Washington, DC. March 2017.

## **Other**

- 2007 Judge, University of Chicago Pritzker School of Medicine Summer Research Forum
- 2008-present Administrator, IMPUTE, an international listserv of 200 subscribers dedicated to discussing issues related to imputation
- 2011 Student Scholarship Committee, Society for Clinical Trials Annual Meeting
- 2014-present American Heart Association writing group, "Sedentary Behavior and Cardiovascular Morbidity and Mortality: The State of the Science."

## **EDITORIAL RESPONSIBILITIES**

2015 - present: Associate Editor, *Statistics in Medicine*

## **REVIEW RESPONSIBILITIES**

### **Ad hoc Journal Review**

*Communications in Statistics: Theory and Methods*

*Journal of Statistical Planning and Inference*

*Journal of Official Statistics* (2)

*Journal of Clinical Oncology* (8)  
*Women's Health Issues*  
*Journal of the American Statistical Association* (2)  
*Journal of Hospital Medicine* (2)  
*Journal of Psychiatric Research*  
*Computational Statistics and Data Analysis* (2)  
*Communications in Statistics: Simulation and Computation* (2)  
*Journal of Statistical Software* (2)  
*Health Services Research*  
*Journal of Biopharmaceutical Statistics* (2)  
*Circulation: Cardiovascular Quality and Outcomes* (3)  
*Statistics in Medicine* (2)  
*Epidemiology*  
*Administration and Policy in Mental Health and Mental Health Services Research*  
*Psychological Methods*  
*Archives of General Psychiatry*  
*Multivariate Behavioral Research*  
*Prevention Science* (3)  
*Health Services and Outcomes Research Methodology* (2)  
*Journal of Clinical Epidemiology* (2)  
*Survey Methodology*  
*Pharmaceutical Statistics*  
*American Journal of Psychiatry*  
*Paediatric and Perinatal Epidemiology*  
*JAMA*  
*Psychiatry Research*  
*BMC Medical Research Methodology* (3)  
*Statistica Sinica*  
*Circulation*  
*Clinical Trials*  
*Lancet Psychiatry*  
*BMC Public Health*  
*Journal of Educational and Behavioral Statistics*  
*Annals of Applied Statistics*

#### **Ad hoc Grant Reviews**

2009	Ad hoc Study Section Member, National Institute for Mental Health, Interventions Committee for Adult Disorders, October 2009
2011	Grant Reviewer, National Institute of Mental Health, HIV: Treatment Engagement and Retention, Special Emphasis Panel.
2012	Grant Reviewer, Patient Centered Outcomes Research Institute (PCORI), Pilot Project Study Section Panel.
2012	Grant Reviewer, Patient Centered Outcomes Research Institute (PCORI), Comparative Clinical Effectiveness Research.
2013	Grant Reviewer, Patient Centered Outcomes Research Institute (PCORI), Assessment of Prevention, Diagnosis, and Treatment Options.
2013	Grant Reviewer, Patient Centered Outcomes Research Institute (PCORI), Improving Methods for Conducting Patient Centered Outcomes Research, November 2013.

- 2015 Ad hoc Study Section Member, National Institute for Mental Health, Mental Health Services Research Committee, October 2015
- 2016 Ad hoc Study Section Member, NIH/Center for Scientific Review, Kidney, Nutrition, Obesity and Diabetes. February 2016

## GRANT AWARDS:

### Current Funding

R01 HL131606 (PI: **Siddique, J**) 12/15/16 – 11/30/18

NHLBI/NIDDK

Total direct costs: \$106,660

*Statistical methods for estimating relative intensity physical activity and its association with cardiometabolic disease*

Using data from the CARDIA study, we will develop and validate statistical methods for objectively measuring relative intensity PA using accelerometry. Our specific aims are: 1) Develop statistical methods for calculating relative-intensity PA accelerometer cut-points and apply these methods to data from the CARDIA exercise treadmill test; 2) Use the CARDIA data to estimate the relationship between relative-intensity PA and the development of cardiometabolic disease as compared to absolute-intensity PA. 3) Investigate the generalizability of our methodology to more translational calibration settings.

R01 HL127491 (PI: **Siddique, J**) 6/1/15 – 5/31/18

NIH/NHLBI

Total direct costs: \$776,198

*Statistical methods to correct for measurement error in self-reported dietary data from lifestyle intervention trials*

We propose to develop a statistical framework to correct for measurement error in self-reported dietary data from longitudinal lifestyle intervention trials where objective validation data do not exist. We have obtained four validation studies that contain both self-reported and objective measures (i.e. recovery biomarkers) of dietary intake. Using these data sets, we will estimate the relationship between self-reported and objective measures of diet and borrow this information in order to correct for measurement error in longitudinal lifestyle intervention trials that only include self-reported dietary measures.

5R01HL120725-02 (PI: Kandula, N) 1/1/14-12/31/17

NIH/NHLBI

Total direct costs: \$2,156,893

*Social and Cultural Influences on Cardiovascular Risks in South Asians*

The overall goal of this project is to investigate network structures and sociocultural drivers of CVD risk factors in the Mediators of Atherosclerosis in South Asians Living in America (MASALA) study, an existing population-based cohort study on risk factors and CVD etiology in the U.S. South Asian population.

Role: Co-Investigator

5R21HL129022-02 (PI: Allen, N) 09/15/15 – 06/30/17

NIH/NHLBI

*Long-Term Patterns in Cardiovascular Risk Factors and Their Time-Varying Impact on the Incidence of Cardiovascular Disease*

We propose to use data from The Lifetime Risk Pooling Project (including 21 studies, n=150,000) to create a synthetic cohort which can provide insight on how long-term patterns in cardiovascular health are associated with the incidence of CVD. This study will provide a validated method by which multiple cohorts can be pooled together to create a synthetic cohort capable of examining the long-term trajectories in CV risk factor levels and their time-varying association with CVD events.

Role: Co-Investigator

6-FY2016B.14 (PI: Phillips, S)  
NMF/LSCRF

09/01/15 – 08/31/17

*Correlates of Real Time Activity during Active Breast Cancer Treatment*

The specific aims of this study are 1) to assess the feasibility and acceptability of using ecological momentary assessment (EMA) methodology to prospectively assess physical activity (PA) and patient reported outcomes (PROs) in breast cancer patients (N=30) undergoing neoadjuvant chemotherapy. 2) To assess women's fluctuations in PA and PA patterns (daily, weekday, weekends, treatment days) from neoadjuvant chemotherapy. 3) To identify potential behavioral (self-efficacy, goal-setting, outcome expectations) psychosocial (fatigue, pain, mood, physical function) and clinical (body weight; treatment date dosage, adherence, complications and response: proliferation biomarkers) correlates, antecedents and consequences of PA during neoadjuvant breast cancer treatment. Funded – may provide effort in the future.

Role: Biostatistician

5UL1TR001422-02 (PI: Lloyd-Jones, D)

08/12/15 - 03/31/19

National Center for Advancing Translational Sciences

*Northwestern University Clinical and Translational Science Institute (NUCATS)*

The mission of the Northwestern University Clinical and Translational Sciences (NUCATS) Institute is “speeding transformative research discoveries to patients and the population.” The NUCATS Institute, founded in 2007, serves as the hub for clinical and translational research across Northwestern University, its renowned clinical partners (Northwestern Memorial HealthCare, Ann & Robert H. Lurie Children's Hospital of Chicago, and the Rehabilitation Institution of Chicago), community and stakeholder organizations, patients, and industry. In this funding period, NUCATS will continue to support the entire spectrum of translation – from basic discovery through clinical trials to population health research – regardless of disease area. We will build upon our past accomplishments and current strengths to undertake new initiatives that address challenges and opportunities in clinical and translational science.

Role: RAMP Mentor & REM Investigator

\*1U24OD023319-01 (PIs: Gershon, R and Cella, C)

09/21/16 – 08/31/19

NIH/NCI

*ECHO PRO Research Resource: A Developmentally-based Measurement Science Framework for Assessing Environmental Exposure and Child Health*

Negative environmental exposures can have a profoundly adverse effect upon the health of children. The overall objective of the ECHO consortium is to capture this adverse impact of early environmental exposures on children's health by bringing together several existing studies of the influence of the environment on prenatal, postnatal and early childhood health. \*Awarded but effort has not started

Role: Co-Investigator

**Past Funding**

K07 CA154862 (PI: Siddique, J)

7/1/11 – 6/30/16

NIH/NCI

*Real-Time Analysis of Diet and Activity Data*

Total direct costs: \$618,641

1R21HL113743-01(PI: Kandula, N)

04/01/12 – 03/31/14

NIH/NHLBI

*Translating a Heart Disease Lifestyle Intervention into the Community*

Total direct costs: \$250,000

Role: Co-investigator

R01 MH040859 (PI: Brown/Siddique)

08/16/10 – 05/31/15

NIH/NIMH via University of Miami  
*Collaborative Data Synthesis for Adolescent Depression Trials*  
Total direct costs: \$17,538 (subcontract only)  
Role: NU Subcontract Principal Investigator

R03 HS018815 (PI: **Siddique, J**) 04/1/10 – 03/31/13  
Agency for Healthcare Research and Quality  
*Comparative Effectiveness of Medication vs. CBT in Depressed Low-Income Women*  
Total direct costs: \$65,372  
Role: Principal Investigator

P30 CA60553 (PI: Rosen, S) 08/01/07 – 07/31/12  
NIH/NCI  
*The Robert H. Lurie Comprehensive Cancer Center*  
Total direct costs: \$1,206,893 (Biostatistics Core only)  
Role: Co-investigator Biostatistics Core

R01 HD043323 (PI: Mohr, D) 12/01/07 – 06/30/10  
NIH/NICHHD  
*A Controlled Trial of CBT for MS Inflammation*  
Total direct costs: \$763,594  
Role: Co-investigator

R01 MH59708 (PI: Mohr, D) 04/01/07 – 06/30/12  
NIH/NIMH  
*Telephone Versus Face to Face Administration of CBT for Depression*  
Total direct costs: \$2,993,610 (subcontract only)  
Role: Co-investigator

R01 HL075451 (PI: Spring, B) 07/31/10 – 04/30/15  
NIH/NHLBI  
*Make Better Choices (MBC2) - Multiple Behavior Change in Diet and Activity*  
Total direct costs: \$1,395,522  
Role: Co-investigator

R34 MH078922 (PI: Mohr, D) 07/01/08 – 06/30/11  
NIH/NIMH  
*Integrated Telemental Health Intervention for Depression in Primary Care*  
Total direct costs: \$405,000  
Role: Co-investigator

RC1 DK08712 (PI: Spring, B) 09/25/09 – 08/31/11  
NIH/NIDDK  
*ENGAGED: E-Networks Guiding Adherence to Goals for Exercise and Diet*  
Total direct costs: \$667,712  
Role: Co-investigator

R01 HL0756451 (PI: Spring, B) 09/01/04 – 08/31/09  
NIH/NHLBI  
*Multiple Behavior Change in Diet and Activity*  
Total direct costs: \$2,372,560  
Role: Co-Investigator



R01 GM75292 (PI: Meltzer, D) 08/05/05 – 06/30/09  
NIH/NIGMS  
*Effectiveness of Training Early Achievers for Careers in Health (TEACH) Research*  
Total direct costs: \$1,735,058  
Role: Co-investigator

Pilot Grant (PI: Nix, T) 06/25/07 – 06/24/08  
Chicago Center for Health Promotion Economics  
*Psychological and Socioeconomic Determinants of Breastfeeding Initiation and Continuation among Low-Income Minority Women*  
Total Direct Costs: \$22,355  
Role: Co-investigator

U18 HS016967 (PI: Meltzer, D) 09/01/2007 – 3/31/2011  
Agency for Healthcare Research and Quality  
*Hospital Medicine and Economics Centers for Education & Research for Therapeutics*  
Total direct costs: \$4,000,000  
Role: Co-investigator

Pilot Grant (PI: Lantos, J) 09/29/06 – 09/30/07  
Chicago Center for Health Promotion Economics  
*Prenatal Care: wise or wasteful?*  
Total direct costs: \$21,798  
Role: Co-investigator

Donald W. Reynolds Foundation (PI: Sachs, G) 09/01/03 – 08/31/07  
*Curriculum for the Hospitalized Aging Medical Patient (CHAMP)*  
Total direct costs: \$1,975,067  
Role: Co-investigator

## **INVITED LECTURES**

1. “Simulating Multivariate Data,” UCLA Neuropsychiatric Institute Center for Community Health, Los Angeles, CA. July 2003.
2. “Evaluating Factors of a Hot-deck Imputation Procedure in a Longitudinal Depression Treatment Study.” Joint Statistical Meetings, Toronto, ON, August 2004.
3. “Iterative Hot-Deck Imputation using Distance-Based Donor Selection.” Department of Health Studies, University of Chicago. February 2005.
4. “Iterative Hot-Deck Imputation using Distance-Based Donor Selection.” Institute for Health Research and Policy, University of Illinois-Chicago. February 2005.
5. “Iterative Hot-Deck Imputation using Distance-Based Donor Selection.” Mayo Clinic, Rochester, MN. March 2005.
6. “Multiple Imputation of a Depression Treatment Trial Using an Iterative Predictive Mean Matching Hot-deck.” Joint Statistical Meetings, Minneapolis, MN. August 2005.
7. “Multiple Imputation using an Iterative Hot-Deck with Distance-Based Donor Selection.” Department of Biostatistics, University of Illinois-Chicago. January 2007.

8. "Using an Approximate Bayesian Bootstrap to Multiply Impute Nonignorable Missing Data," International Conference on Health Policy Statistics, Philadelphia, PA. January 2008.
9. "Multiple Imputation using an Iterative Hot-Deck with Distance-Based Donor Selection." Department of Preventive Medicine, Feinberg School of Medicine, Northwestern University. July 2008.
10. "Correcting for Measurement Error in Diagnoses of Post-Traumatic Stress Disorder." Joint Statistical Meetings, Denver, CO. August 2008.
11. "Missing Data in Longitudinal Trials: Analytic Issues." Invited Presentation, Prevention Science Methodology Group, University of South Florida. February 2009.
12. "Missing Data in Longitudinal Trials: Analytic Issues." Joint Bioinformatics/Biostatistics Seminar, Feinberg School of Medicine, Northwestern University. March 2009.
13. "Missing Data in Longitudinal Trials: Analytic Issues." Cancer Prevention and Control Seminar, Feinberg School of Medicine, Northwestern University. April 2009.
14. "A Missing Data Approach for Calibrating Rater Bias: Application to Diagnoses of Post-Traumatic Stress Disorder." Department of Health Studies, University of Chicago. April 2009.
15. "Modeling Major Lung Resection Outcomes using Classification Trees and Multiple Imputation Techniques." 5<sup>th</sup> Annual John and Joyce Benfield Lectureship in Thoracic Surgery. University of Chicago. October 2009.
16. "Latent Variable Modeling and Multiple Imputation to Calibrate Rater Bias: Application to a Diagnosis of Posttraumatic Stress Disorder." Prevention Science Methodology Group, University of South Florida. November 2009.
17. "Latent Variable Modeling and Multiple Imputation to Calibrate Rater Bias: Application to a Diagnosis of Posttraumatic Stress Disorder." Department of Biostatistics, University of Illinois-Chicago. November 2009.
18. "Using Latent Variable Modeling and Multiple Imputation to Calibrate Rater Bias: Application to a Diagnosis of Posttraumatic Stress Disorder." International Conference on Health Policy Statistics, Washington, DC. January 2010.
19. "Missing Data in Longitudinal Trials: Analytic Issues." Chicago Chapter of the American Statistical Association. March 2010.
20. "Missing Data in Longitudinal Trials: Analytic Issues." Institute for Healthcare Studies postdoctoral fellows seminar, Feinberg School of Medicine, Northwestern University. April 2010.
21. "Generating Multiple Imputations from Multiple Models to Incorporate Model Uncertainty in Nonignorable Missing Data Problems." Department of Preventive Medicine, Feinberg School of Medicine, Northwestern University. October 2010.
22. "Generating Multiple Imputations from Multiple Models to Incorporate Model Uncertainty in Nonignorable Missing Data Problems." Prevention Science Methodology Group, University of South Florida. November 2010.

23. "Generating Multiple Imputations from Multiple Models to Incorporate Model Uncertainty in Nonignorable Missing Data Problems." Eastern North American Region of the International Biometrics Society Meeting, Miami, Florida. March 2011.
24. "Generating Multiple Imputations from Multiple Models to Incorporate Model Uncertainty in Nonignorable Missing Data Problems." Department of Biostatistics, University of Illinois-Chicago. October 2011.
25. "Comparative Effectiveness of Medication vs. CBT in Depressed Low-Income Women." International Conference on Health Policy Statistics, Cleveland, OH. October 2011.
26. "On the relationship between physical activity and sedentary behavior: Preliminary results from a randomized lifestyle intervention trial." Department of Kinesiology, University of Massachusetts-Amherst. September 2012.
27. "Harmonizing Measures Across Multiple Trials using Multiple Imputation." Prevention Science Methodology Group, University of Miami. November 2012.
28. "Addressing Missing Data Mechanism Uncertainty using Multiple-Model Multiple Imputation: Application to a Longitudinal Clinical Trial." Division of Biostatistics, Medical College of Wisconsin. November 2012.
29. "An Introduction to Latent Class Methods for Longitudinal Data." CARDIA Statistical Methodology Workshop, Chicago, Illinois. February 2013.
30. "Bayesian Mixed-effects Location Scale Models for the Analysis of Objectively Measured Physical Activity Data from a Lifestyle Intervention Trial." Eastern North American Region of the International Biometrics Society Meeting, Orlando, Florida. March 2013.
31. "A multiple imputation approach for combining data across multiple trials that use different outcome measures." International Conference on Health Policy Statistics, Chicago, IL. October 2013.
32. "A multiple imputation approach for combining data across multiple trials that use different outcome measures." Department of Biostatistics, University of Illinois-Chicago. November 2013.
33. "A multiple imputation approach for combining data across multiple trials that use different outcome measures." Department of Biostatistics and Medical Informatics, University of Wisconsin-Madison. January 2014.
34. "Using multiple imputation to harmonize data across multiple trials that use different outcome measures." Eastern North American Region of the International Biometrics Society Meeting, Baltimore, Maryland. March 2014.
35. "Multiple imputation for harmonizing non-commensurate measures in individual participant data meta-analysis." Department of Public Health Sciences, University of Chicago. November 2014.
36. "Multiple imputation for harmonizing non-commensurate measures in individual participant data meta-analysis." Department of Statistics, Western Michigan University. November 2014.
37. "Multiple imputation for harmonizing non-commensurate measures in individual participant data meta-analysis." Department of Preventive Medicine, Rush University Medical Center. December 2014.
38. "Multiple imputation for harmonizing non-commensurate measures in individual participant data meta-analysis." Department of Statistics, Northwestern University. May 2015.

39. "Multiple imputation for harmonizing non-commensurate measures in individual participant data meta-analysis." Nordic-Baltic Biometric Conference, Reykjavik, Iceland. June 2015
40. "Joint modeling the frequency and duration of physical activity using data from a lifestyle intervention trial." International Conference on Health Policy Statistics, Providence, RI. October 2015.
41. "Multiple imputation for harmonizing non-commensurate measures in individual participant data meta-analysis." Eastern North American Region of the International Biometrics Society Meeting, Austin, TX. March 2016.
42. "Correcting for Measurement Error in Self-Reported Dietary Data from a Longitudinal Lifestyle Intervention Trial Using an External Validation Study." Joint Statistical Meetings, Chicago, IL. August 2016.
43. "Multiple imputation for harmonizing non-commensurate measures in individual participant data meta-analysis." Institute for Social Research, University of Michigan. August 2016.
44. "An introduction to latent class methods for longitudinal data." Scientific Meeting of the International Society of Hypertension, Seoul, South Korea. September 2016.
45. "Addressing differential measurement error in self-reported dietary data using an external validation study: Application to a longitudinal lifestyle intervention trial." Department of Public Health Sciences, Medical University of South Carolina. November, 2016.
46. "Addressing differential measurement error in self-reported dietary data using an external validation study: Application to a longitudinal lifestyle intervention trial." Department of Biostatistics, University of Illinois-Chicago. November, 2016.
47. "Addressing differential measurement error in self-reported dietary data using an external validation study: Application to a longitudinal lifestyle intervention trial." Department of Epidemiology, University of California, Irvine. April, 2017.
48. "Addressing differential measurement error in self-reported dietary data using an external validation study: Application to a longitudinal lifestyle intervention trial." Division of Public Health, Michigan State University. August, 2017
49. "Correcting for Measurement Error in Longitudinal Dietary Intervention Studies Using External Validation Data." Division of Biostatistics, University of Virginia. August, 2017.

## **PUBLICATIONS**

### **A. Original Investigations**

1. Miranda J, Chung JY, Green BL, Krupnick J, **Siddique J**, Revicki DA, Belin T. Treating Depression in Predominantly Low-Income Young Minority Women. *Journal of the American Medical Association*. 2003;290:57-65.
2. Green B, Miranda J, Daroowalla A, **Siddique J**. Mental Health and Programming Needs of Incarcerated Women with Trauma. *Crime & Delinquency*. 2005;51:133-151.
3. Miranda J, **Siddique J**, Der-Martirosian C, Belin TR. Depression among Latina Immigrant Mothers Separated from their Children. *Psychiatric Services*. 2005;56:717-720.

4. Miranda J, **Siddique J**, Belin TR, Kohn-Wood LP. Depression Prevalence in Disadvantaged Young Black Women: African and Caribbean Immigrants Compared to US-born African Americans. *Social Psychiatry and Psychiatry Epidemiology*. 2005;40:253-258.
5. Revicki DA, **Siddique J**, Frank L, Chung JY, Green BL, Krupnick J, Prasad M, Miranda J. Cost-effectiveness of Evidence-Based Pharmacotherapy or Cognitive Behavior Therapy Compared With Community Referral for Major Depression in Predominantly Low-Income Minority Women. *Archives of General Psychiatry*. 2005;62:868-875.
6. Miranda J, Green BL, Krupnick JL, Chung J, **Siddique J**, Belin TR, Revicki D. One-year Outcomes of a Randomized Clinical Trial Treating Depression in Low-Income Minority Women. *Journal of Clinical and Consulting Psychology*. 2006;74:99-111.
7. Green BL, Krupnick JL, Chung J, **Siddique J**, Krause ED, Revicki D, Frank L, Miranda J. Impact of PTSD Co-Morbidity on One-Year Outcomes in a Depression Trial. *Journal of Clinical Psychology*. 2006;62:815-835.
8. Arora VM, Seiden SC, Higa JT, **Siddique J**, Meltzer DO, Humphrey H. The Effect of a Medical Student Duty Hour Policy on Teaching Processes and Student Satisfaction. *The American Journal of Medicine*. 2006;119:1089-1095.
9. **Siddique J**, Belin TR. Multiple Imputation using an Iterative Hot-Deck with Distance-Based Donor Selection. *Statistics in Medicine*. 2008;27:83-102.
10. Stockdale S, Lagomasino I, **Siddique J**, McGuire T, Miranda J. Racial and Ethnic Disparities in Detection and Treatment of Depression and Anxiety Among Psychiatric and Primary Health Care Visits, 1995-2003. *Medical Care*. 2008;46:668-677.
11. Arora VM, Georgitis E, **Siddique J**, Vekhter B, Woodruff JN, Humphrey HJ, Meltzer DO. Association of Workload of On-Call Medical Interns with On-Call Sleep Duration, Shift Duration, and Participation in Educational Activities. *Journal of the American Medical Association*. 2008;300:1146-1153.
12. **Siddique J**, Belin TR. Using an Approximate Bayesian Bootstrap to Multiply Impute Nonignorable Missing Data. *Computational Statistics and Data Analysis*. 2008;53:405-415. PMID: PMC2678725
13. Ferguson MK, **Siddique J**, Karrison T. Modeling Major Lung Resection Outcomes using Classification Trees and Multiple Imputation Techniques. *European Journal of Cardio-thoracic Surgery*. 2008;34:1085-1089.
14. **Siddique J**, Brown CH, Hedeker D, Duan N, Gibbons RD, Lavori PW, Miranda J. Missing Data in Longitudinal Trials-Part B Analytic Issues. *Psychiatric Annals*. 2008;38:793-801. PMID: PMC2722118
15. Marcus SM, **Siddique J**, Gibbons RD, Normand SLT. Balancing Treatment Comparisons in Longitudinal Studies. *Psychiatric Annals*. 2008;38:805-811. PMID: PMC2722117
16. **Siddique J**, Harel O. MIDAS: A SAS Macro for Multiple Imputation using Distance-Aided Selection of Donors. *Journal of Statistical Software*. 2009;29:1-18.
17. VanderWeele TJ, Lantos JD, **Siddique J**, Lauderdale DS. A Comparison of Four Prenatal Care Indices in Birth Outcome Models: Comparable Results for Predicting Small-for-Gestational-Age Outcome but Different Results for Preterm Birth or Infant Mortality. *Journal of Clinical Epidemiology*. 2009;62:438-445.

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#### **B. Reviews, Case Reports, Letters, Editorials**

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#### **C. Books and Book Chapters**

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