

**JULIA Y. LIN, Ph.D.**

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**EDUCATION**

- Ph.D. (2006)            Biostatistics                            University of Pennsylvania  
Advisors: Professors Michael Elliott and Thomas Ten Have  
Thesis: "Longitudinal Nested Compliance Class Models in the Presence of Time-Varying Noncompliance"
- B.S. (2000)            Psychology and Statistics            Carnegie Mellon University

**PROFESSIONAL EXPERIENCE**

- 2006-Present    Research Statistician  
Center for Multicultural Mental Health Research, Cambridge Health Alliance, MA
- 2006-Present    Instructor  
Department of Psychiatry, Harvard Medical School, MA
- 2008-2010        Lecturer in Statistics  
Department of Statistics, Harvard University, MA
- 2002-2006        Graduate Research Assistant  
Department of Biostatistics and Epidemiology, University of Pennsylvania, PA
- 2000-2001        Research Assistant / Programmer  
Mathematica Policy Research, Washington, DC
- 1999-2000        Undergraduate Honors Researcher  
Carnegie Mellon University, Pittsburgh, PA
- 1998-1999        NIMH Undergraduate Research Fellow  
Carnegie Mellon University and University of Pittsburgh, Pittsburgh, PA
- 1997-1998        Research Assistant  
Carnegie Mellon University, Pittsburgh, PA

**AWARDS / HONORS**

2004	AHRQ/NRSA/NIMH Conference Travel Award
2003-2006	NIH Pre-doctoral Trainee in Mental Health
2000	Graduated with University and College Honors
1998-2000	Psi Chi (Psychology Honor Society)
1998-1999	NIMH Undergraduate Fellowship in Mental Health Research
1997-1999	Carnegie Mellon University Small Undergraduate Research Grant
1996-2000	Carnegie Mellon University Dean's List

**RESEARCH PUBLICATIONS**

**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.

Alegria, M., Shrout, P.E., Torres, M., Lewis-Fernandez, R., Abelson, J., Powell, M., Interian, A., **Lin, J.**, Laderman, M., Canino, G. (2009). "Lessons Learned from the Clinical Reappraisal Study of the Composite International Diagnostic Interview with Latinos," *International Journal of Methods in Psychiatric Research*, 18(2), 84-95.

Gallo, R., Small, D., **Lin, J.Y.**, Elliot, M.R., Joffe, M., and Ten Have, T.R. (2009). "Mediation Analysis with Principal Stratification," *Statistics in Medicine*, 28(7), 1108-1130.

**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, 462-473.

Duan, N., Meng, X, **Lin, J.Y.**, Chen, C., Alegria, M. (2008). "Disparities in Defining Disparities: Statistical Conceptual Frameworks," *Statistics in Medicine*, 27, 3941-3956.

Rivera, F., Guarnaccia, P., Mulvaney-Day, N., **Lin, J.Y.**, Torres, M., and Alegria, M. (2008) "Family Cohesion and its Relationship to Psychological Distress among Latino Groups," *Hispanic Journal of Behavioral Science*, 30(3): 357-378.

Alegria, M., Nakash, O., Lapatin, S., Oddo, V., Gao, S., **Lin, J.**, Normand, S. (2008). "How Missing Information in Diagnosis Can Lead to Disparities in the Clinical Encounter." *Journal of Public Health Management and Practice*, 14(6), S26-S35.

**Lin, J.Y.**, Ten Have, T.R., Bogner, H.R., Elliott, M.R. (2007). "Baseline Patient Characteristics and Mortality Associated With Longitudinal Intervention Compliance," *Statistics in Medicine*, 26, 5100-5115.

Gallo, J.J., Bogner, H.R., Morales, K.H., Post, E.P., **Lin, J.Y.**, and Bruce, M.L. (2007). "The Effect of a Primary Care Practice-Based Intervention on Mortality in Older Adults" *Annals of Internal Medicine*, 146, 689-698.

Bellamy, S.L., **Lin, J.Y.**, Ten Have, T.R. (2007). "An Introduction To Causal Modelling In Clinical Trials," *Clinical Trials: The Journal of the Society for Clinical Trials*, 4, 58-73.

Bogner, H.R., **Lin, J.Y.**, Morales K.H. (2006). "Patterns of Early Adherence to the Antidepressant Citalopram Among Older Primary Care Patients: The PROSPECT Study," *International Journal of Psychiatry in Medicine*, 36(1), 103-119.

Cook, B.L., **Lin, J.**, Guo, J., Alegria, M. (in press). "Pathways and Correlates Connecting Exposure to the U.S. and Latino Mental Health," *American Journal of Public Health*.

## INVITED PRESENTATIONS

"Noncompliance in Longitudinal Randomized Intervention Studies" presented at Harvard Graduate School of Education, Cambridge, MA, April 2009.

"Grant Writing – Analytical Section" presented at Robert Wood Johnson Foundation New Connections Symposium, Washington, DC, June 2008.

"Longitudinal Nested Compliance Class Model in the Presence of Time-Varying Noncompliance," presented at Harvard University Statistical Colloquia, Cambridge, MA, March 2008.

"Nested Markov Compliance Class Model in the Presence of Time-Varying Noncompliance," presented at International Chinese Statistical Association (ICSA) Applied Statistics Symposium, Raleigh, NC, June 2007.

"Nested Markov Compliance Class Model in the Presence of Time-Varying Noncompliance," presented at Columbia University, New York, NY, March 2006.

"Longitudinal Nested Compliance Class Model in the Presence of Time-Varying Noncompliance," presented at Center for Multicultural Mental Health Research, Cambridge Health Alliance, Somerville, MA, February 2006.

"Longitudinal Nested Compliance Class Model in the Presence of Time-Varying Noncompliance," presented at Westat, Rockville, MD, January 2006.

"Longitudinal Nested Compliance Class Model in the Presence of Time-Varying Noncompliance," presented at the Joint Statistical Meeting, Minneapolis, MN, August 2005.

"Longitudinal Nested Compliance Class Model in the Presence of Time-Varying Noncompliance," presented at the Columbia, Penn, Yale Statistics in Psychiatry Symposium, New York, NY, May 2005.

## **CONTRIBUTED PRESENTATION**

“Causal Random Effects Linear Models Using Nagelkerke’s Instrumental Variable Approach in a Longitudinal Setting,” presented at the 2004 International Biometric Society Eastern North American Region, Pittsburgh, PA, March 2004.

“Nested Markov Compliance Class Model in the Presence of Time-Varying Noncompliance,” presented at the International Biometric Society Eastern North American Region, Tampa, FL, March 2006.

## **TEACHING EXPERIENCE**

Course instructor. Statistics 101: Introduction to Quantitative Methods for Psychology and the Behavioral Sciences. Spring 2009. Department of Statistics, Harvard University.

Invited guest lecturer. “Collaborating with Statisticians.” Course: Clinical Scholarship in Child and Adolescent Psychiatry Didactic, 2007. Cambridge Health Alliance–Harvard Medical School.

Invited guest lecturer. “Causation and Quasi-Experimental Study Design.” Course: Research Methods I, 2007. Boston University, Department of Social Work.

Organizer and presenter. Brown Bag Series. 2006. Cambridge Health Alliance – Harvard Medical School, Center for Multicultural Mental Health Research. Topics: p-values, interactions, power.

Teaching assistant. Course: Methods I. University of Pennsylvania, Department of Biostatistics and Epidemiology.

## **JOURNAL REFEREE**

Statistics in Medicine  
Circulation

## **PROFESSIONAL ASSOCIATION MEMBERSHIP**

American Statistical Association  
International Biometrics Society