

# CURRICULUM VITAE

## Shenyang Guo, Ph.D.

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### EDUCATION

**Post-doctoral Training, Sociology**, Brown University, Providence, RI, 1990-1991  
**Ph. D., Sociology**, University of Michigan, Ann Arbor, Michigan, 1990.  
**M.A., Economics**, Fudan University, Shanghai, China, 1985.

### HONORS

- The Rockefeller Foundation **Post-Doctoral Fellowship**, 1990-1991; **Pre-Doctoral Fellowship**, 1988-1990.
- The Population Council **Honorary Fellowship**, 1990-1991; **Honorary Fellowship**, 1988-1990.

### GRANT AWARDS

- “Child Abuse and Neglect Discretionary Activities – Development of Innovative Methods to Child Welfare Research” – Principal Investigator, funded by the Children’s Bureau, US Department of Health and Human Services, in the amount of \$205,214 over two years (2003-2005).
- “Mental Health Services on Child Outcomes” – PI Richard Barth, Co-investigator **Shenyang Guo**, funded by Robert Wood Johnson Foundation in the amount of \$250,000 over two years.
- Co-Principal Investigator Kathleen Wells, Co-Principal Investigator **Shenyang Guo**, “Impact of Welfare Reform on Child Welfare”, a five-year (1998-2003) study funded by the Annie E. Casey Foundation (98.1123) in the amount of \$283,669, by the Gund Foundation (97-376) in the amount of \$18,911, and an extension grant funded by the Gund Foundation and the Cleveland Foundation in the amount of \$172,387.

### RESEARCH POSITIONS IN FEDERALLY FUNDED PROJECTS

- NIDA Grant R01 07957 – Principal Investigator: Lynn Singer, Ph.D., Department of Pediatrics, \$1,500,000 (four years). This study investigated preschool and early school-age outcomes of children who had fetal cocaine exposure. I served as a statistical consultant (10%).
- NIDA Grant R01 07358 – Principal Investigator: Robert Arendt, Ph.D., Department of Pediatrics, \$1,450,000 (four years). This longitudinal study investigated sensory

motor development of cocaine-exposed children. I served as a statistical consultant (10%).

- NIMH Grant MH42730 – Principal Investigator: Matig R. Mavissakalina, M.D., School of Medicine, Case Western Reserve University. This is a clinical study of panic disorders and assessment of the effectiveness of imipramine. I am serving as a statistical consultant (30 hours monthly).

### **CURRENT POSITION**

**Associate Professor**, School of Social Work, University of North Carolina at Chapel Hill.

- Teaching statistics courses for the Ph.D. program and a program evaluation course for the master program.
- Conducting research in the areas of child welfare, child mental health, program and practice evaluations, and research methodology.
- Chairing the Working Group of Applied Statistics of the Odum Institute of Social Research.

### **PREVIOUS POSITIONS**

**Associate Professor**, College of Social Work, University of Tennessee, Memphis, Tennessee

- Taught research methodology courses for the master program.
- Conducted research in the areas of child welfare, child mental health, program and practice evaluations, and research methodology.
- Coordinated research projects for the Children Mental Health Services Research Center in the Memphis location.

**Assistant Professor**, Mandel School of Applied Sciences, Case Western Reserve University, Cleveland, Ohio, 1999-2000

- Taught three required statistics courses for the Ph.D. program (SASS 615, SASS 616, SASS 618) and a research methodology course for the master program (SRCH 426).
- Conducted research in the areas of child welfare, child mental health, population and poverty estimation, neighborhood indicators, and application of statistical models to social work problems.
- Served as a statistical consult for the Cuyahoga County Community Mental Health Research Institute, Center on Urban Poverty and Social Change, the Alzheimer's Caregiving Institute, and Department of Pediatrics at Case Western Reserve University.

**Senior Research Associate**, Center on Urban Poverty and Social Change, Case Western Reserve University, Cleveland, Ohio, 1995 to 1998.

Conducted research projects of poverty estimation and population projection. Provided statistical consultation on the project of welfare reform.

**Senior Research Associate**, School of Social Work at University of Michigan, 1991 to 1995.

Conducted research design and statistical analysis on several projects in the areas of child welfare, intergenerational dependency on welfare, and social services.

Served as the principal SPSS consultant for the whole university community -- provided consulting services on solving statistical problems using SPSS to a broad range of clients.

### **INVITED LECTURES**

- “Introduction to Propensity Score Matching” (January 28-29, 2005), workshop conducted at the School of Social Work at the University of Illinois at Urbana-Champaign.
- “Propensity score matching and difference-in-differences estimator: A review and illustration” (October 11, 2004), presentation made to the Thurstone Psychometric Laboratory, Department of Psychology, University of North Carolina at Chapel Hill.
- “Introduction to SEM” (July 26-28, 2004), workshop conducted at the Department of Pediatrics, School of Medicine, Case Western Reserve University.
- “Introduction to HLM and its applications” (December 20, 2002), presentation made to the Institute for the Study and Prevention of Violence, Kent State University.
- “Analyzing longitudinal rating data: A three-level HLM” (April 5, 2002), presentation made to the NIDA funded Social Work Research Center at the School of Social Work, University of Texas at Austin.

### **PUBLICATIONS**

**Guo, S.** (Forthcoming). Analyzing grouped data with hierarchical linear modeling. *Children and Youth Services Review*.

Mavissakalian, M., **Guo, S.** (2004). Early detection of relapse in panic disorder. *Acta Psychiatrica Scandinavica 110*: 393-399.

Wells, K., & **Guo, S.** (2004). Reunification of foster children before and after welfare reform. *Social Service Review 78(1)*: 74-95

Hussey, D., & **Guo, S.** (2004). Measuring behavior change in young children receiving intensive school-based mental health services. *Journal of Community Psychology*.

Hussey, D., & **Guo, S.** (2004). Characteristics and trajectories of treatment foster care youth. *Child Welfare*.

**Guo, S.,** & Hussey, D. (2004). Nonprobability sampling in social work research: Dilemmas, consequences, and strategies. *Journal of Social Service Research*.

Hussey, D., & **Guo, S.** (2004). Profile characteristics and behavioral change trajectories of young residential children. *Journal of Child and Family Studies*.

**Guo, S.,** & Wells, K. (2003). Research on timing of foster-care outcomes: one methodological problem and approaches to its solution. *Social Service Review 77(1)*: 1-24.

- Flannery, D., Vazsonyi, A., Liau, A., **Guo, S.**, Powell, K., Atha, H., & Vesterdal, W. (2003). "Initial behavior outcomes for PeaceBuilders universal school-based violence prevention program". *Developmental Psychology* 39 (2): 292-308.
- Wells, K. & **Guo, S.** (2003). "Mothers' welfare and work income and reunification with children in foster care". *Children and Youth Services Review* 25(3): 203-224.
- Hussey, D., & **Guo, S.** (2002). Behavioral change trajectories of partial hospitalization children. *American Journal of Orthopsychiatry* 72: (4) 539-47.
- Mavissakalian, M., Perel, J., & **Guo, S.** (2002). "The specific side effects of maintenance imipramine treatment of panic disorder". *Journal of Clinical Psychopharmacology* 22(2): 155-161.
- Dyches, H., Biegel, D., Johnson, J., **Guo, S.**, Min, M. (2002). "The Impact of Mobile Crisis Services on the Use of Community-based Mental Health Services". *Research on Social Work Practice* (12)6: 731-751.
- Mavissakalian, M. **Guo, S.** (2002). "Predictors of entering a long-term treatment study of panic disorder". *Comprehensive Psychiatry* 43(2): 88-94.
- Townsend, A., Miller, B., & **Guo, S.** (2001). "Depression in middle-aged and older married couples: A dyadic analysis". *Journal of Gerontology: Social Sciences* 56: S352-S364.
- Guo, S.**, Biegel, D., Johnson, J. & Dyches, H. (2001) "Assessing the impact of mobile crisis services on preventing hospitalization: A community-based evaluation". *Psychiatric Services* 52: 223-228.
- Stoller, E.P., Miller, B., & **S. Guo** (2001). "Shared ethnicity and relationship multiplexity within the informal networks of retired European-American sunbelt migrants: A case study". *Research on Aging* 23(3): 304-325.
- Miller, B., & **Guo, S.** (2000) "Social support for spouse caregivers of persons with dementia". *Journal of Gerontology: Social Sciences* 55: S163-S172.
- Guo, S.** (2000) "The need to conduct quantitative research rigorously: A critique". *Social Work Research*, 24(1): 61-64.
- Guo, S.** (1999) "Data Management in Event History Analysis -- Using SPSS", in Guo, Z. (edited): *Social Statistical Methods*, 423-455, The People's University Press, Beijing, China.
- Guo, S.** & Hussey, D. (1999). "Analyzing longitudinal rating data: A three-level hierarchical linear model". *Social Work Research*, 23(4):258-269.
- Singer, M., Miller, D., **Guo, S.**, Flannery, D., Frierson, T. & Slovak, K. (1999). "Contributors to violent behavior among elementary and middle school children". *Pediatrics*, 104(4): 878-884.

- Wells, K., & **Guo, S.** (1999). "Reunification and reentry of foster children". *Children and Youth Services Review* 21(4): 273-294 .
- Singer, L., Salvator, A., **Guo, S.**, Collin, M., Lilien, L., & Baley, J. (1999). "Maternal psychological distress and parenting stress after the birth of a very low birthweight infant". *JAMA (Journal of American Medical Association)*, 281(9): 799-805.
- Groza, V., Proctor, C., & **Guo, S.** (1998). "The relationship of institutionalization to the development of Romanian Children Adopted Internationally". *The International Journal of Child and Family Welfare* 98(3): 198-217.
- Guo, S.** (1997). "Book Review: New poverty: Families in postmodern society". *The Journal of Applied Social Sciences* 21(2): 131-132.
- Guo, S.** (1997). "Book Review: Social control in China: A study of Chinese work units". *The Journal of Applied Social Sciences* 21(2): 132-133.
- Guo, S.** (1996). "Fundamental Determinants of Fertility Decline in Urban China: Development or Policy?" in Goldstein, A., & Wang, F. (edited): *China, Many Facets in Demographic Change*, 81-94, Westview Press, Colorado.
- White, M., Moreno, L., & **Guo, S.** (1995) "The interrelation of fertility and geographic mobility in Peru: A hazards model analysis". *International Migration Review* 29: 492-514.
- Schwartz, I., Ortega, R., **Guo, S.**, & Fishman, G. (1994) "Infants in nonpermanent placement". *Social Service Review* 68: 405-416.
- White, M., Biddlecom, A., & **Guo, S.** (1993) "Immigration, naturalization and residential assimilation among Asian Americans in 1980". *Social Forces* 72(1): 93-117.
- Goldstein, A., & **Guo, S.** (1993) "Temporary migration in Shanghai and Beijing". *Studies in Comparative International Development*, Transaction Publishers.
- Schwartz, I., **Guo, S.**, & Kerbs, J. (1993) "The impact of demographic variables on public opinion regarding juvenile justice: Implications for public policy". *Crime & Delinquency* 39(1): 5-28.
- Schwartz, I., **Guo, S.**, & Kerbs, J. (1992) "Public attitudes toward juvenile crime and juvenile justice". *Hamline Journal of Public Law and Policy*, Minnesota: St. Paul.
- (All authors contributed equally to this paper, and their names are listed in alphabetical order)  
Goldstein, A., Goldstein, S., & **Guo, S.** (1991) "Temporary migrants in Shanghai household, 1984". *Demography* 28(2): 275-291.
- Freedman, R., & **Guo, S.** (1988) "The response of a traditional fishing community to China's family planning program: A case study". *International Family Planning Perspective* 14(4): 131-136.

## **SELECTED PAPERS PRESENTED AT PROFESSIONAL MEETINGS**

- Guo, S.** & Barth, R. (2005) “Running propensity score matching with Stata/PSMATCH2”. Workshop conducted at the Tenth Annual Conference of the Society of Social Work Research, Miami, Florida.
- Guo, S.** & Wall, A.E. (2005) “Analyzing survey data with complex sampling design and weights: Demonstration of running SUDAAN and Mplus”. Workshop conducted at the Tenth Annual Conference of the Society of Social Work Research, Miami, Florida.
- Guo, S.** & Barth, R. (2005) “Assessing the impact of kinship foster care vis-à-vis foster care on children’s well-being”. Presentation to the symposium organized by Barth R. on “Findings from NSCAW: Applying innovative methods to understanding services and outcomes for maltreated children” at the Tenth Annual Conference of the Society of Social Work Research, Miami, Florida.
- Guo, S.** (2004) “Four innovative applications of Hierarchical Linear Modeling (HLM)”. Workshop conducted at the Eighth Annual Conference of the Society of Social Work Research, New Orleans, LA.
- Guo, S.,** Barth, R., & Gibbons, C. (2004) “Introduction to propensity score matching: A new approach to program evaluation”. Workshop conducted at the Eighth Annual Conference of the Society of Social Work Research, New Orleans, LA.
- Guo, S.** (2003) “Advanced topics in event history analysis – Unobserved heterogeneity and beyond”. Workshop conducted at the Seventh Annual Conference of the Society of Social Work Research, Washington, DC.
- Wells, K., **Guo, S.,** Shafran, R.D., & Pearlmutter, S. (2003). “Deterioration of child welfare families under conditions of welfare reform”. Invited presentation at the Joint Center for Poverty Research Conference sponsored by the University of Chicago and Northwestern University, Washington, DC.  
<http://www.jcpr.org/conferences/oldconferences/childwelfare.html>.
- Guo, S.,** Hussey, D. (2002) “Childhood poverty, intergenerational dependence on welfare and their relation to child academic achievement: A multi-level analysis of CDS-PSID”. Oral presentation to the Sixth Annual Conference of the Society of Social Work Research, San Diego, California.
- Nugent, W., & **Guo, S.** (2002) “The Generalizability theory and its application to social work research”. Workshop conducted at the Sixth Annual Conference of the Society of Social Work Research, San Diego, California.
- Wells, K., & **Guo, S.** (2001) “The impact of welfare reform on foster care and child welfare in Cuyahoga County, Ohio”. Oral presentation to the Annual Research Conference of the Association for Public Policy, Analysis & Management, Washington, D.C.
- Guo, S.** (2001) “Communicating complicated statistical findings to social work practitioners” Workshop conducted at the Fifth Annual Conference of the Society of Social Work and Research, Atlanta, Georgia.

- Guo, S.,** Hussey, D. (2000) “Nonprobability sampling in social work research: Dilemmas, consequences, and strategies”. Paper presented at the APM conference of CSWE, New York, New York.
- Guo, S.,** Hussey, D. (2000) “Advanced topics in event history analysis” Workshop conducted at the Fourth Annual Conference of the Society of Social Work and Research, Charleston, South Carolina.
- Guo, S.,** Wells, K. (2000) “Analysis of grouped event data: methodological problems and strategies for social welfare research” Paper presented at the Fourth Annual Conference of the Society of Social Work and Research, Charleston, South Carolina.
- Wells, K., **Guo, S.** (2000) “Impact of welfare reform on foster care and child welfare in Cuyahoga County, Ohio” Paper presented at the Fourth Annual Conference of the Society of Social Work and Research, Charleston, South Carolina.
- Hussey, D., **Guo, S.,** Shlegelmilch, A. (2000) “Behavioral change trajectories of preadolescent residential treatment children: An HLM analysis” Paper presented at the Fourth Annual Conference of the Society of Social Work and Research, Charleston, South Carolina.
- Guo, S.** (1999). “Data analytic strategies for time series and entry cohort data”. Paper presented in the panel discussion of “The impact of welfare reform on child welfare” at the 39<sup>th</sup> annual workshop of National Association for Welfare Research and Statistics, Cleveland, Ohio.
- Guo, S.,** Miller, B., & Hussey, D. (1999) “Application of HLM to Social Work Research”. Paper presented at the Third Annual Conference of the Society of Social Work and Research, Austin, Texas.
- Guo, S.** (1998) “Postcensal poverty estimates for small areas: model validation strategies”. Paper presented at the 7<sup>th</sup> International Conference on Applied and Business Demography, Annapolis, Maryland.
- Miller, B., & **Guo, S.** (1998) “Race, gender and spouse caregiver support”. Paper presented at the Second Annual Conference of the Society of Social Work and Research, North Miami, Florida.
- Guo, S.** (1992) "Data Management in Event History Analysis -- Using SPSS". Paper presented at the 1992 SPSS Academic Conference, Seattle, Washington.

### **REVIEWER AND JOURNAL EDITOR**

- Consulting Editor of *Social Work Research*.
- Member of the Editorial Policy Board for the *Journal of Applied Social Sciences*.
- Reviewed papers for *Demography*, *Social Work Research*, *Journal of Applied Social Sciences*, *Journal of Health and Social Behavior*, *Journal of Community Practice*, *Social Service Review*, *Family Relations*.