

# HARLENE C. GOGAN

Ms. Harlene Gogan has more than 20 years of professional experience in statistical analysis and database management for a variety of studies. She has been analytic task leader for several social program evaluations utilizing survival analysis to study length of stays via longitudinal databases she has constructed from human services administrative data. Specific experience with child welfare data includes developing both SAS and SPSS programs that utilize child welfare (Foster Care) administrative data to create longitudinal analytic databases of children for cohort survival analysis. Analysis includes length of stay, number of disruptions, placement patterns, and rates of reentry. Ms. Gogan has been responsible for developing teaching techniques and training analysts from child welfare departments in several states to process their own administrative data to produce longitudinal analytic data and analysis of their own child welfare programs. Ms. Gogan has also developed analytic techniques (placement patterns and placement type and time patterns and sibling placement indicators) for analyzing children's paths through the child welfare system and whether siblings are placed together and remain together. She is adept at using a variety of statistical software applications including SAS, SUDAAN and SPSS, and regularly provides support to students and analysts through training, and technical assistance.

## Education

M.S., Biostatistics, University of North Carolina, Chapel Hill, NC, 1988.

B.A., Biology and Psychology, State University of New York, Buffalo, NY, 1973.

## Selected Project Experience

### UNC School of Social Work:

***Evaluation of 4E Wavier and Family for Kids*** (1997 to date) *Analyst and Data Manager*. Created initial analytic file of child-level Foster Care spells for the State of North Carolina from data tables on Placement Authority, living arrangements and facilities for cohorts of children entering Foster Care for the very first time during fiscal years 1993 to present. Consulted on analytic possibilities given data limitations. Created longitudinal analytic file from North Carolina Child Abuse and Neglect (CANS) data, and matched to Foster Care placement data.

***National Survey of Child and Adolescent Well-being*** (1999 to 2001) – *Analytic and Data Management Consultant*. Received sampling frame files from RTI and selected variables from them for use in analysis. Managed data to produce linking files in both SPSS and SAS.

***Children of Color Analysis – ASPE Task Order*** (1999 to 2001) – *Analytic and Data Management Consultant*. Sampling frame data from NSCAW were used to develop children of color models. Consulted with analysts and project director to develop a workable strategy for both individual -level models and county-level models.

### UNC School of Social Work and Research Triangle Institute

***Evaluation of Family to Family Foster Care Program Initiative*** (1993 to date)—*Analysis Task Leader*. Provides longitudinal analysis (survival analysis), database management, and technical assistance originally to five states and consequently to a total of 21 sites (states, large counties like Los Angeles and large cities like NYC) on their Foster Care Programs. Builds and analyzes Foster Care spells from

placement-level data that differ across sites. Provides technical assistance to sites in understanding and duplicating longitudinal (survival) analysis, and in working toward building database management, programming and analytic capabilities on-site to become self-evaluating. As self-evaluation teams become more analytically capable, works with sites to enhance analyses by looking at additional program areas of interest and programming to analyze them. In several new sites, we are in the data acquisition phase, where we consult about what data they have and methods for selecting and sending the data to us.

### **Research Triangle Institute:**

***Design Options and Measures for Child Welfare Research*** (1997)—*Analyst*. Developed and implemented a strategy for analysis of an extant data file on child welfare to inform expert consultant workgroup discussions on issues of design for a national survey of children and families served in the child welfare system. The analyses were used to present differences in the estimates given sample design (i.e., cross-sectional, entry cohort, and exit cohort), and to inform other aspects of sampling design including number of cases and estimation of variance. As the project was of only eight weeks' duration, becoming familiar with the extant data file and its design in order to produce analysis with correct variance estimation had to be done very quickly.

***Evaluation of "Medicare and You 1999" Handbook and Medicare CAHPS in Kansas City*** (1998 to 1999) *Analyst and Data Manager*. Created analytic files for both surveys of new and experienced beneficiaries of Medicare. Developed knowledge index and models. Responsible for distributing analytic file to survey team and running all final models in SUDAAN.

***CAHPS Evaluation and Demonstrations*** (1997 to 1999)—*Analyst and Data Manager*. Created working file that served as sampling frame from several file types for each of 11 counties for Kansas demonstration. Developed analytic strategy for pre to post comparisons on the effectiveness of presenting results from a survey of consumers on selecting a health insurance plan, for a case/control sample. Prepared data file distributed to analytic team, prepared tables for multiple presentations and reports, ran logistic and OLS regression models in developmental phase and ran all SUDAAN final tables and models. In another survey of employees of a firm in Oregon, serve the same role of preparing analytic files for survey team and running all final tables and models in SUDAAN.

***Evaluation of NC Structured Sentencing Law*** (1997 to 1999)—*Database Manager and Analytic Support*. Created analytic working files from up to 10 large files (450,000+ records) for each of two time periods (pre-structured sentencing, post-structured sentencing) to compare court processes before and after implementation of the NC Structured Sentencing Law. Preliminary analysis was conducted on multiple levels (case, offense and defendant) and separately for District and Superior Courts as well as separately for felonies and misdemeanors. Defendant episodes was chosen as the analytic unit for final tables on selected charges. The complexity of the data files is surpassed only by the complexity of the courts system.

***Stroke Patient Outcomes*** (1995 to 1996)—*Technical Advisor*. Creates database with multiple records per physician from the physician survey to study physician utilization of drugs and/or surgery under different scenarios of patient characteristics (stenosis or surgical contraindications, for example). Analysis uses SUDAAN and multinomial logit models for clustered data.

***Changing Roles of Nursing Homes*** (1994 to 1996)—*Database Manager and Analytic Support*. Manages multiple databases, including assessments from a census of nursing home residents from multiple states, OSCAR/MMACS nursing home data, and Area Resource File, to produce analytic files for analyzing the change in roles of nursing homes to care for special populations, in particular the

chronically mentally ill. Resident-level analysis examines the prevalence of chronically ill patients, the distribution of patients across nursing homes, and quality of care. Facility-level analyses examine utilization and costs issues.

***Contraceptive Choices: NORPLANT*** (1993 to 1999)—*Technical Advisor*. Developed baseline survey forms tracking system and screener data entry for longitudinal, multi-year survey of women and their contraceptive choices. Developed programs for building baseline master data file of keyed surveys, including initial data checks. Advises on technical matters related to database management and analysis. Provides assistance in creating baseline database in SPSS-PC (Windows) form.

***Costs and Characteristics of Health Insurance Plans*** (1992 to 1995)—*Database Manager and Analytic Task Leader*. Developed analytic files from RTI's Survey of Health Insurance Plans (SHIP) to study employers' decisions to provide health insurance and to self-insure. Analytic files were created utilizing data at multiple levels of analysis: establishment, enterprise and plan-level. Analyses required the use of SUDAAN to provide accurate estimates of standard errors for clustered data.

## Professional Experience

- 1999 to date            School of Social Work, University of North Carolina at Chapel Hill  
Clinical Instructor to Research Instructor (1999 to date). Leads analytic data management on a number of projects evaluating children's paths through the child welfare system. Data management includes creating child-level data on spells of Foster Care from data on Placement Authority, living arrangements, facilities and siblings for children entering Foster Care, and creation of child-level Child Abuse and Neglect data from report-level data on Child Abuse and Neglect.
- 1997 to 1999            School of Social Work, University of North Carolina at Chapel Hill  
Consultant (1997 to 1999). Led analytic data management evaluating children's paths through the child welfare system. Created initial person-level data on spells of Foster Care for cohorts of children entering Foster Care.
- 1978 to 1999            Research Triangle Institute, Research Triangle Park, NC.  
Research Associate (1988 to 1999). Led analytic tasks on a number of projects, designed and implemented database management strategies for handling survey data, longitudinal data, and data at multiple levels of analysis. Analysis included survival analysis, Cox models, SUDAAN, multinomial and binomial logistic regression, and tabulations. Programming languages included SAS (on MVS, VMS, PC-DOS, and Windows), SUDAAN, SPSS, and BMDP.  
Statistical Support Coordinator (1989 to 1996). Coordinated statistical support through assignment of analytic and database management roles, training in database management for analysis, and supervision and quality control of newly trained analysts. Training includes SAS and SUDAAN and analytic techniques.  
PC-SAS Technical Consultant (1988 to 1992). Provided user service support for PC-SAS and served as liaison to SAS Institute's Technical Support.  
Research Analyst (1978 to 1988). Provided analytic support and database management for multiple projects. Database management and analysis included

SAS (on MVS, VMS and PC-DOS platforms), SUDAAN, BMDP, contingency table analysis, life tables and Cox models, regression (linear and logistic) and tabulations.

## Professional Associations

Research Triangle Area SAS User's Group

## Journal Publications

Usher, C.L., K.A. Randolph and H.C. Gogan (1999). "Placement Patterns in Foster Care." *Social Service Review*, March 1999.

Usher, C.L., H.P. Koo, and H.C. Gogan (1991). "Making the Most of Employment and Training: A Simple Screening Process Could Help Target Certain Food Stamp Households." *Public Welfare*, Vol. 49, No. 2, pp. 27-33.

## Proceedings and Presentations

Wildfire J, Usher L and Gogan HC. Risk of out-of-home placement at first substantiation. Presented at 13th National Conference on Child Abuse and Neglect, Administration for Children, Youth and Families, Albuquerque, NM, April 2001.

Barth RP, Miller J, Green RL, Baumgartner J, Gogan HC. Toward understanding racial disproportionality in child welfare services receipt. Presented at Fourth Annual Conference of the Society for Social Work and Research, Charleston, South Carolina, Jan 2000.

Gogan, H.C. (1988). "The Relationship Between (Re)Marriage and Exits from the AFDC Program Among Female-Headed Families: A Longitudinal Examination." Proceedings of the *American Statistical Association, Social Statistics Section*, pp. 284-289.

Koo, H.P. and H.C. Gogan (1988). "The Process of Change in Families and Households." In *Individuals and Families in Transition: Understanding Change Through Longitudinal Data*, Papers Presented at the Social Science Research Council Conference, U.S. Bureau of the Census, pp. 203-230.

Griffith, J.D. and H.C. Gogan (1983). "Family Relationships, Social Participation and Well-Being Among Widowed Older Men and Women." A paper presented (by Griffith, J.D.) at the annual meeting of the American Sociological Association, Detroit, MI.

## Selected Project Reports

Jordan Institute for Families. Evaluation of the Title IV-E Wavier Demonstration in North Carolina, final report, UNC-CH, Chapel Hill, December 2003.

Kirk RS with Griffith DP and Gogan HC. A retrospective evaluation of North Carolina's Intensive Family Preservation Services Program. Jordan Institute for Families, School of Social Work, UNC – CH,

Chapel Hill NC, August 2000.

Jordan Institute for Families. Evaluation of Title IV-E Waiver demonstration in North Carolina, ten-quarter report. School of Social Work, UNC – CH, Chapel Hill NC, June 2000.

Family to Family Evaluation Team (1998). “Evaluation of *Family to Family*.” Prepared for Anne E. Casey Foundation, RTI and School of Social Work, University of North Carolina at Chapel Hill.

Family to Family Evaluation Team (1996). “Measuring Outcomes in Child Welfare: Lessons From *Family to Family*.” Prepared for Anne E. Casey Foundation, RTI and School of Social Work, University of North Carolina at Chapel Hill.

Family to Family Evaluation Team (1995). “Baseline Findings of Family to Family.” Working Draft Prepared for Anne E. Casey Foundation, RTI, and School of Social Work, University of North Carolina, Chapel Hill.

Zarkin, G.A, S.A. Garfinkel, J.W. Bray, and H.C. Gogan (1995). “The Determinants of Firms’ Decisions to Offer Health Insurance.” Prepared for AHCP, RTI Report 5382.

Gogan, H.C. (1989). “Long Term Participation in Food Stamp Program by Work Registrants, Documentation of Files.” RTI Report 3943/00-03FR.

Usher, C.L., H.P. Koo, and H.C. Gogan (1989). “Long Term Participation in Food Stamp Program by Work Registrants.” RTI Report 3943/00-03FR.

Gogan, H.C. (1988). “The Relationship of Marriage and Other Factors to AFDC Receipt Among Female-Headed Families: A Longitudinal Examination.” Paper submitted to the faculty of University of North Carolina at Chapel Hill to fulfill requirements of M.S. degree in Department of Biostatistics.