

RTI International

American Statistical Association Fellows

These RTI statisticians have been recognized by their peers as having made outstanding contributions to the field of statistics. We are proud to have them as members of our team.



Paul P. Biemer

"For significant contributions to the theory and measurement of non-sampling errors in surveys and censuses, for creative organization of conferences on important topics in survey statistics, and for dissemination of the technical proceedings of those conferences to the survey research profession"

Paul P. Biemer, PhD, is a Distinguished Fellow, Statistics, at RTI; he is also the Director for the certificate program in Survey Science and Associate Director for Survey Research at the Odum Institute at the University of North Carolina (UNC) at Chapel Hill. His research has examined the relationships between survey design and survey error; statistical methods for assessing survey errors, particularly measurement errors; and methods for the analysis of survey data. He co-developed computer audio-recorded interviewing and pioneered the field of latent class analysis for survey evaluation. At UNC, he established the certificate program in Survey Science, which he directs. Dr. Biemer is a Fellow of the American Statistical Association (ASA) as well as the American Association for the Advancement of Science; he is also an elected member of the International Statistical Institute.



Steven B. Cohen

"For contributions to the design of national health care surveys and to statistics on medical expenditures, and for research on sampling and non-sampling errors in surveys"

Steven B. Cohen, PhD, is vice president of RTI's Division of Statistical and Data Sciences. He has been working in the fields of biostatistics, survey design, sampling, survey methods, and health services research for more than 30 years. He has expertise in management, health services research, health policy, biostatistics, sampling theory, modeling, complex survey design, multivariate analysis, demographic techniques, and applied statistical methods. Prior to joining RTI, he was Director of the Center for Financing, Access and Cost Trends at the Agency for Healthcare Research and Quality. He is co-author of the text *Methodological Issues for Health Care Surveys*. He has served as an associate professor at Johns Hopkins University and at George Washington University. He is also an elected member of the International Statistical Institute.



Jill A. Dever

"For development and dissemination of statistical tools for survey researchers, for skillful management of large-scale surveys for federal agencies, for dedicated mentoring of survey statisticians and other researchers, and for service to the profession"

Jill A. Dever, PhD, Senior Director, Statistics, has worked in survey research for more than 20 years and is known nationally for developing software for optimizing complex sample designs; constructing linearization and replicate analysis weights using calibration techniques; creating variance estimators for complex statistics; and evaluating statistical issues related to samples drawn without a defined probabilistic structure. Dr. Dever served as treasurer, Washington Statistical Society (2015–2016) and is an active member of the American Association for Public Opinion Research (AAPOR).



Rachel M. Harter

"For accomplishments in the advancement of sample design protocols, survey statistics, and small area estimation in support of research for the public good; for outstanding managerial leadership, mentoring, and collaboration; for effective communication of statistical developments; and for service to the profession"

Rachel M. Harter, PhD, Senior Director, Statistics, is an expert in area probability survey designs and has led sampling, weighting, and imputation procedures for complex survey designs for household and establishment surveys. She is the Program Manager for the Behavioral Statistics Program within the Division for Statistical and Data Sciences at RTI. Before joining RTI, Dr. Harter served as vice president, department head, and senior fellow within the social science research industry. She held elected offices in the Survey Research Methods Section of the ASA and served as the leader of the AAPOR Task Force on address-based sampling. Dr. Harter was also a member of the National Academy of Science panel on Group Quarters in the American Community Survey.

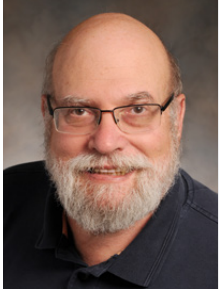


Craig A. Hill

"For outstanding leadership in nationally and internationally recognized research programs in surveys, applied statistics, and data sciences, and for extensive service to the profession"

Craig A. Hill, PhD, is Senior Vice President for Social, Statistical, and Environmental Sciences at RTI; he creates and guides the strategy and vision for his business unit, which comprises about 1,000 staff members and more than 300 ongoing studies. Dr. Hill received his PhD in quantitative political science from the University of New Orleans.

Dr. Hill has published papers in a wide variety of social science journals and has co-edited two books focused on the intersection of new technology and social science research: *Social Media, Sociality, and Survey Research* (2013) and *Big Data Meets Survey Science: A Collection of Innovative Methods* (scheduled for publication in September 2020). He enjoys giving back to the research community and is a grant reviewer for the National Science Foundation; an Editorial Board member of *Public Opinion Quarterly*; and a reviewer on more than a half-dozen major journals. Dr. Hill is a longstanding member of the ASA, where he has served as Program Chair for the Social Statistics Section (2016).



Phillip S. Kott

"For significant contributions to survey sampling theory and practice and for consulting, teaching, and service to the profession"

Phillip S. Kott, PhD, a Senior Research Statistician, is an expert in survey sampling theory and practice—including calibration weighting, multiphase sampling, the analysis of survey data, and variance estimation. Dr. Kott is a Member of the International Statistical Institute and a Fellow of the Royal Statistical Society. He is active as a journal associate editor and served as the President of the Washington Statistical Society and the Chair of ASA's Council of Chapters. He taught survey sampling at George Mason University and the Joint Program in Survey Methodology. He received a Presidential Rank Award in 2007 and an ASA Section of Statistics and the Environment Distinguished Achievement Medal in 1997. Prior to joining RTI, Dr. Kott was the Chief Research Statistician at the National Agricultural Statistics Service of the U.S. Department of Agriculture.



Karol Krotki

"For his outstanding contributions to survey research in design and methodology for web-based surveys, for his leadership in the management and establishment of statistical units, for his exemplary teaching and promotion of high-quality statistical methods, as well as his international consulting"

Karol Krotki, PhD, Senior Director, Statistics, is known nationally for his work in survey research, random digit dialing sampling, and weighting. He has over 30 years of experience in various areas of specialization, including survey statistics, survey research, social science data analysis, and international studies. Dr. Krotki served as President (2008–2009) of the Washington Statistical Society and is an active member of AAPOR. Prior to joining RTI, Dr. Krotki was Chief Statistician and served as head of survey operations at NuStats of Austin, Texas.



Rick L. Williams

"For outstanding contributions to the innovative design and management of important federal national surveys and studies, for creative development of cutting-edge statistical software, for excellence in teaching methods for analyzing survey data, and for creative scientific contributions in the development and application of statistical methodologies"

Rick L. Williams, PhD, a Senior Statistician, routinely leads large health research studies in such areas as maternal and infant health, obstetrical pharmacology, toxicology, health services utilization, and epidemiological investigations. For more than 30 years, he has made significant contributions to the development of SUDAAN® and was its development leader for 5 years. He has developed statistical methods for survey research and the analysis of correlated data. Dr. Williams frequently conducts workshops and training classes on the use of appropriate statistical analysis methods for cluster-correlated, longitudinal, or repeated measures data.



James R. Chromy

"For innovative contributions to the design and selection of complex survey samples, for research in survey methods, and for outstanding leadership and administration of a large survey research program"

James R. Chromy, PhD, Senior Fellow (Emeritus) at RTI, is an expert in sampling theory and application, survey design, and statistical analysis. At RTI, he has led many large-scale surveys. He helped design the sample and data collection methodology for the National Assessment of Educational Progress. He has experience in all aspects of area probability sampling and household interview surveys. Dr. Chromy developed the theory and computational algorithm for selecting samples sequentially with probability proportional to size and with minimum replacement, and he developed a computer algorithm for efficient sample allocation that minimizes total survey cost subject to satisfying multiple variance constraints.

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