

Jill M. Montaquila, Ph.D.

Summary

Dr. Jill Montaquila is an Associate Director of Westat's Statistical Staff and a senior statistician with 21 years of experience in survey statistics, including sample design and weighting, imputation, and variance estimation. Her particular areas of interest include address-based sampling, variance estimation to account for imputation variance, coverage and nonresponse error, and random digit dialing telephone survey methodology. Dr. Montaquila is a Fellow of the American Statistical Association and a Research Associate Professor in the Joint Program in Survey Methodology at the University of Maryland.

Education

Ph.D., Statistics, American University, 1998
M.S., Statistics, Miami University (Oxford, OH), 1991
B.A., Mathematics and Economics, Ashland College, 1989

Relevant Project Experience

Westat (1995 to Present)

Hunger in America (HIA) 2014 – This comprehensive study of the Feeding America network of charitable food providers is being conducted to describe the full range of services offered within the network and the characteristics of food program clients. Westat is working with Feeding America to refine and develop two surveys, including a web survey for charitable agencies and an audio computer-assisted self-interviewing survey for food program clients. Dr. Montaquila provides technical direction and management of sampling- and estimation-related tasks.

WIC Infant and Toddler Feeding Practices Study – II (ITFPS-II) – The purpose of this study is to understand nutritional intake and feeding patterns, including those associated with early determinants of obesity, among WIC clients. The study includes a core longitudinal sample and a supplemental cross-sectional sample. Mother/child dyads (more than 2,000 in the core sample and over 1,200 in the supplemental sample) will be followed from WIC enrollment until the child is 24 months old. The Westat team is responsible for interviewing the core sample 12 times and the supplemental sample 4 times. The study design includes a survey of WIC service site staff, interviews with state and local key informants, and collection of WIC and other records. Dr. Montaquila is leading sample design and selection activities and will lead the computation of survey weights.

National Health and Aging Trends Study (NHATS) – NHATS is a new national data source on late-life disability trends and dynamics in the United States. Led by researchers at Johns Hopkins University Bloomberg School of Public Health, a multidisciplinary consortium with

experience in disability measurement, survey design and operations, and data dissemination is designing, testing, and implementing a comprehensive, validated disability measurement protocol that includes self-report and performance-based measures of functioning. The survey design includes annual in-person data collection from a sample of almost 9,000 Medicare enrollees. Dr. Montaquila oversees the sampling-related aspects of this study.

Adult Training and Education Survey (ATES) Pilot Study – The ATES Pilot Study provided an opportunity to examine the accuracy and validity of measures developed to enumerate education certificates and industry-recognized certifications. As a subcontractor, Westat was responsible for screening approximately 20,000 households by mail to obtain contact information for a telephone followup of sampled adults. As principal investigator, Dr. Montaquila provided technical direction on methodological aspects of this study.

National Household Education Survey (NHES) Redesign – NHES underwent a redesign, examining alternatives to an RDD telephone survey methodology. The proposed methodology used a multimode approach with an address-based sample, employed a contact strategy that relied primarily on mail data collection with TeleForm, and included several experiments that might affect the cost of and response to NHES. A smaller scale pilot test was conducted in 2009 to test operational and experimental elements of the new design with a sample of 12,000 households. As principal investigator, Dr. Montaquila provided overall technical direction for the project.

National Children's Study (NCS) Coordinating Center – The NCS is a landmark prospective cohort study to follow approximately 100,000 U.S. children and their parents from before birth for up to 21 years. As coordinating center, Westat supported protocol development, instrument development, statistical design, and planning; developed specifications for a large-scale information management system; and coordinated all aspects of data collection and processing. Westat launched multiple data collection events that required in-person and remote training for hundreds of data collectors. These events entailed complex protocols that included telephone and in-person interviews, medical examinations, and collection of biospecimens and environmental samples in homes. Dr. Montaquila was responsible for sample selection within study locations and participated in the development of operational procedures to ensure high-quality data collection.

National Health and Nutrition Examination Survey (NHANES) – Westat is continuing to conduct NHANES, a large-scale national medical examination survey. NHANES collects data on the health of the U.S. population through interviews and extensive physical examinations performed in specially equipped mobile examination centers that travel from site to site. An integrated survey information system supports all aspects of sampling, data collection, survey monitoring, and data management. Dr. Montaquila participated in ongoing sample design research and has been responsible for aspects of sample selection and weighting.

Task Force Consulting – Westat consulted with the Task Force for Global Health to develop guidelines and procedures for conducting surveys to assess lymphatic filariasis prevalence, for the purpose of targeting immunization administration. Dr. Montaquila oversaw Westat's support for the development of a manual used to design and conduct these surveys. She also coordinated Westat's response to questions raised by the task force.

National Household Education Surveys Program (NHES): 1991-2007– NHES is a large-scale telephone survey system that uses random digit dialing and computer-assisted telephone interviewing to collect data on topics in education. A large-scale field test was conducted in 1989, and Westat has conducted full-scale NHES administrations approximately every other year since 1991. Each NHES survey administration has required the screening of approximately 34,000 to 64,000 households, depending on the requirements of the collection. For NHES:1996, Dr. Montaquila monitored sample yield during data collection and was responsible for weighting, imputation, and analysis and reporting. She was responsible for the sample design, weighting, imputation, and reporting for NHES:1999, NHES:2001, NHES:2003, and NHES:2005 and had these same responsibilities for NHES:2007. She coauthored working papers documenting the sampling, weighting, and imputation methodologies as well as the results of reinterview studies, a coverage bias analysis, and an incentive experiment.

Education Statistical Services Institute (ESSI) – Westat was one of four organizations participating in this project to organize and manage the ESSI. The role of the ESSI is to assist the National Center for Education Statistics (NCES) in collecting, analyzing, and disseminating information about the startup of education in the United States. Dr. Montaquila led a task to evaluate the effectiveness of selected data collection procedures in reducing nonresponse bias in the National Household Education Surveys Program. She was also a member of the team responsible for developing an NCES standard or guideline for measuring and reporting effect sizes.

Third National Health and Nutrition Examination Survey – Under contract to the National Center for Health Statistics, Westat was responsible for sampling and data collection for this large study to collect data on the health and nutritional status of the U.S. population. During the main survey, a total of 40,000 people were interviewed and at least 30,000 were examined at 88 sites across the country. Respondents completed a medical history questionnaire and took part in an extensive 3½-hour physical examination, which was conducted in specially equipped mobile examination centers blood pressure measurements and some physical examinations are also completed in the respondents' homes. Dr. Montaquila was responsible for weighting, performing evaluative studies to compare alternative weighting and variance estimation methodologies, and preparing a report documenting the weighting and variance estimation methodology.

Design and Methodology of a Survey of Disability Applicants and Nonapplicants (SODAN) – Westat was a subcontractor on this project to design and develop a methodology for a survey of Social Security Administration (SSA) disability applicants and nonapplicants. In preparation for a pilot study, Westat prepared a design plan, conducted random digit dialing telephone screening to identify potentially eligible nonrespondents, completed extended telephone interviews with SSA disability applicants and nonapplicants, completed telephone interviews with advisors to study participants, and evaluated pilot study results. Dr. Montaquila prepared a report detailing sample design issues and recommendations for this survey. The proposed sample design consisted of a list sample with a supplemental area sample.

Bureau of Labor Statistics, Washington, DC (1991 to 1995)

As a mathematical statistician, Dr. Montaquila participated in maintenance and research activities for the Employment Cost Index (ECI) and Employee Benefits Survey (EBS). Using PL/1 and SAS, she designed, wrote, and implemented an imputation system used to adjust for item nonresponse in the EBS. Dr. Montaquila contributed to the sample design for the Survey of 1992 Health Care Expenditures. She developed specifications for unit and item nonresponse adjustment, poststratification, estimation, and variance estimation for this survey, and she validated the estimation process. In other work, she developed, documented, and maintained a master sample file for the ECI and EBS surveys. Dr. Montaquila also made presentations to statistical and nonstatistical audiences concerning the methodologies used in these surveys.

Other Professional Experience**Joint Program in Survey Methodology (JPSM), College Park, MD (1999 to Present) –**

JPSM is a graduate program offering training in the principles and practices of survey research. The program is based at the University of Maryland and is sponsored by the Federal Interagency Consortium on Statistical Policy. As a research associate professor, Dr. Montaquila has taught courses in sampling theory, introduction to statistics using computers, and topics in sampling and has given lectures for the data practicum and fundamentals of survey methodology courses.

Department of Mathematics and Statistics, Miami University, Oxford, OH (1989 to 1991) – In the role of graduate assistant, Ms. Montaquila taught sections of precalculus, calculus I, and introductory statistics.

Kerr-McGee Oil (U.K.) PLC, London, U.K. (1988) – As an intern, Dr. Montaquila researched oil exploration and development, with particular emphasis on the North Sea. She also examined the feasibility of exploration in light of taxation policies and changes in price.

Awards and Professional Achievements

Fellow, American Statistical Association

Referee, *Journal of Official Statistics*, *Public Opinion Quarterly*, *Journal of Computational Statistics*, *Survey Methodology*, *Sociological Methods and Research*, *BMJ Open*, and *Journal of Survey Statistics and Methodology*

American Statistical Association Chapter Service Recognition Award (2010)

Past President Certificate of Appreciation, Washington Statistical Society (2008)

Member, Program Committee, Second International Conference on Telephone Survey Methodology (TSM II) (2005)

President's Award, Washington Statistical Society (1997, 2004, and 2009)

Caucus for Women in Statistics: Newsletter Features Editor (1998-present); Representative-at-Large (1996-1998)

Washington Statistical Society: Quantitative Literacy Coordinator (2009-2012); Past President (2007-2008); President (2006-2007); President-Elect (2005-2006); Representative-at-Large

(2002-2004); Treasurer (1998-2002); Chair, Social Committee (1994-1998); Quantitative Literacy Chairperson for Fairfax County, VA (1994-1996)
American Statistical Association: Chair (2013), Survey Research Methods Section; Chair-Elect (2013), Government Statistics Section; Member (2011-2013), Workgroup on Master's Degree Programs in Statistics and Biostatistics; Member (2011-2012) and Chair (2013), Roger Herriot Award Committee; Member (2012-present), Edward C. Bryant Scholarship Committee

Publications, Technical Reports, and Presentations

Publications

- Brick, J.M., Montaquila, J.M., Han, D., and Williams, D. (2012). Improving response rates for Spanish speakers in two-phase mail surveys. *Public Opinion Quarterly*, 76(4), 721-732.
- Han, D., Montaquila, J.M., and Brick, J.M. (2012). An evaluation of incentive experiments in a two-phase address based sample mail survey. *Proceedings of the Survey Research Methods Section of the American Statistical Association* [CD-ROM]. Alexandria, VA: American Statistical Association.
- Roth, S.B., Han, D., and Montaquila, J.M. (2012). The ABS frame: Quality and considerations. *Proceedings of the Survey Research Methods Section of the American Statistical Association* [CD-ROM]. Alexandria, VA: American Statistical Association.
- Dohrmann, S., Kalton, G., Montaquila, J., Good, C., and Berlin, M. (2012). Using address based sampling frames in lieu of traditional listing: A new approach. *Proceedings of the Survey Research Methods Section of the American Statistical Association* [CD-ROM]. Alexandria, VA: American Statistical Association.
- Brick, J.M., Williams, D., and Montaquila, J.M. (2011). Address-based sampling for subpopulation surveys. *Public Opinion Quarterly*, 75(3), 409-428.
- Montaquila, J.M., and Kalton, G. (2011). Sampling from finite populations. In M. Lovric (Ed.), *International encyclopedia of statistical science*. Heidelberg, Germany: Springer Science + Business Media, LLC.
- Montaquila, J.M., Hsu, V., and Brick, J.M. (2011). Using a “match rate” model to predict areas where USPS-based address lists may be used in place of traditional listing. *Public Opinion Quarterly*, 75(2), 317-335.
- Shore, S.P., Montaquila, J.M., and Hsu, V. (2010). The presence and characteristics of households at addresses obtained by traditional field listing and from USPS-based lists. *Proceedings of the Survey Research Methods Section of the American Statistical Association* [CD-ROM]. Alexandria, VA: American Statistical Association.
- Han, D., Montaquila, J.M., Williams, D., and Brick, J.M. (2010). An examination of the bias effects with a two-phase address-based sample. *Proceedings of the Survey Research Methods Section*

- of the American Statistical Association* [CD-ROM]. Alexandria, VA: American Statistical Association.
- Hsu, V., Montaquila, J.M., and Brick, J.M. (2010). Using a “match rate” model to predict areas where USPS-based address lists may be used in place of traditional listing. *Proceedings of the Survey Research Methods Section of the American Statistical Association* [CD-ROM]. Alexandria, VA: American Statistical Association.
- Montaquila, J.M., Brick, J.M., and Curtin, L.R. (2010). Statistical and practical issues in the design of a national probability sample of births for the National Children’s Study. *Statistics in Medicine*, 29(13), 1368-1376.
- Montaquila, J.M., and Brick, J.M. (2009). The use of an array of methods to evaluate nonresponse bias in an ongoing survey program. *Proceedings of the International Statistical Institute*.
- Montaquila, J.M., Hsu, V., Brick, J.M., English, N., and O’Muircheartaigh, C. (2009). A comparative evaluation of traditional listing vs. address-based sampling frames: Matching with field investigation of discrepancies. *Proceedings of the Survey Research Methods Section of the American Statistical Association* [CD-ROM]. Alexandria, VA: American Statistical Association.
- Brick, J.M., and Montaquila, J.M. (2009). Nonresponse and weighting. In D. Pfeffermann and C.R. Rao (Eds.), *Sample surveys: Theory, methods and inference* (Handbook No. 29). New York, NY: Elsevier.
- Ferraro, D., Krenzke, T., and Montaquila, J. (2008). RDD telephone surveys: Reducing bias and increasing operational efficiency. *Proceedings of the Survey Research Methods Section of the American Statistical Association* [CD-ROM]. Alexandria, VA: American Statistical Association.
- Johnson, B., and Montaquila, J. (2008). Challenges and methods in creating secondary sampling units for area probability samples. *Proceedings of the Survey Research Methods Section of the American Statistical Association* [CD-ROM]. Alexandria, VA: American Statistical Association.
- Van de Kerckhove, W., Montaquila, J., and Brick, J.M. (2008). Using a large-scale field study to estimate nonresponse and noncoverage biases in an RDD survey. *Proceedings of the Survey Research Methods Section of the American Statistical Association* [CD-ROM]. Alexandria, VA: American Statistical Association.
- Johnson, B., Heller, A., and Montaquila, J. (2007). An automated procedure for forming sampling units for area probability samples. *Proceedings of the Survey Research Methods Section of the American Statistical Association* [CD-ROM]. Alexandria, VA: American Statistical Association.
- Montaquila, J.M., Brick, J.M., and Curtin, L.R. (2007). Methods for sampling households to identify 100,000 births. *Proceedings of the Survey Research Methods Section of the American Statistical Association* [CD-ROM]. Alexandria, VA: American Statistical Association.
- Montaquila, J.M., Brick, J.M., Hagedorn, M.C., Kennedy, C., and Keeter, S. (2007). Aspects of nonresponse bias in RDD telephone surveys. In J.M. Lepkowski, C. Tucker, J.M. Brick, et al. (Eds.), *Advances in telephone survey methodology*. New York, NY: J.W. Wiley and Sons.

- Thorpe, L.E., Gwynn, R.C., Mandel-Ricci, J., Roberts, S., Tsoi, B., Berman, L., Porter, K., Ostchega, Y., Curtin, L.R., Montaquila, J.M., Mohadjer, L., and Frieden, T.R. (2006). *Study design and participation rates of the New York City Health and Nutrition Examination Survey, 2004*. Available at http://www.cdc.gov/pcd/issues/2006/jul/05_0177.htm.
- Park, I., Dohrmann, S., Montaquila, J., Mohadjer, L., and Curtin, L.R. (2006). Reducing the risk of data disclosure through area masking: Limiting biases in variance estimation. *Proceedings of the Survey Research Methods Section of the American Statistical Association* [CD-ROM]. Alexandria, VA: American Statistical Association.
- Brick, J.M., Montaquila, J., Hagedorn, M.C., Roth, S.B., and Chapman, C (2005). Implications for RDD design from an incentive experiment. *Journal of Official Statistics*, 21, 571-589.
- Dohrmann, S., Mohadjer, L., Montaquila, J., Sitter, R., Lu, W., and Curtin, L.R. (2004). Limiting the risk of data disclosure by using swapping techniques in variance estimation. *Proceedings of the Survey Research Methods Section of the American Statistical Association* [CD-ROM]. Alexandria, VA: American Statistical Association.
- Montaquila, J.M., Mohadjer, L., Curtin, L.R., Gwynn, R.C., and Thorpe, L. (2004). NYC HANES: Design of a community health and nutrition examination survey. *Proceedings of the Survey Research Methods Section of the American Statistical Association* [CD-ROM]. Alexandria, VA: American Statistical Association.
- Brick, J.M., Montaquila, J.M., and Roth, S. (2003). Identifying problems with raking estimators. *Proceedings of the Survey Research Methods Section of the American Statistical Association* [CD-ROM]. Alexandria, VA: American Statistical Association.
- Mohadjer, L., Montaquila, J., and Sherris, E. (2002). Evaluation of a two-phase approach to segment selection for area probability samples late in a decade. *Proceedings of the Survey Research Methods Section of the American Statistical Association* [CD-ROM]. Alexandria, VA: American Statistical Association.
- Dohrmann, S., Curtin, L.R., Mohadjer, L., Montaquila, J., and Lê, T. (2002). National Health and Nutrition Examination Survey: Limiting the risk of data disclosure using replication techniques in variance estimation. *Proceedings of the Survey Research Methods Section of the American Statistical Association* [CD-ROM]. Alexandria, VA: American Statistical Association.
- Brick, J.M., Judkins, D., Montaquila, J., and Morganstein, D. (2002). Two-phase list-assisted RDD sampling. *Journal of Official Statistics*, 18, 203-216.
- Brick, J.M., Montaquila, J., and Scheuren, F. (2002). Estimating residency rates for undetermined telephone numbers. *Public Opinion Quarterly*, 66(1), 18-39.
- Brock Roth, S., Montaquila, J., and Brick, J.M. (2001). Effects of telephone technologies and call screening devices on sampling, weighting, and cooperation in a random digit dialing (RDD) survey. *2001 Proceedings of the American Statistical Association, Survey Research Methods Section* [CD-ROM]. Alexandria, VA: American Statistical Association.

- Carroll, M.D., Chia, J., and Montaquila, J. (2001). Analysis of data from the 1999 National Health and Nutrition Examination Survey (NHANES 1999). *2001 Proceedings of the American Statistical Association, Survey Research Methods Section* [CD-ROM]. Alexandria, VA: American Statistical Association.
- Brick, J.M., Judkins, D., Montaquila, J., Morganstein, D., and Shapiro, G. (2000). Evaluating secondary data sources for random digit dialing samples. *Proceedings of the Survey Research Methods Section of the American Statistical Association*, pp. 142-150.
- Brick, J.M., Montaquila, J., and Scheuren, F. (2000). Estimating residency rates for undetermined telephone numbers. *Proceedings of the Survey Research Methods Section of the American Statistical Association*, pp. 1045-1050.
- Krenzke, T., Montaquila, J., and Mohadjer, L. (2000). Accounting for imputation error variance for establishment data: An empirical evaluation. *Proceedings of the Second International Conference on Establishment Surveys (ICES II)*, pp. 609-618.
- Lee, H., and Montaquila, J. (2000). Incorporating the finite population correction into variance estimates from imputed data. *Proceedings of the Survey Research Methods Section of the American Statistical Association*, pp. 586-591.
- Montaquila, J.M., Bell, B., Mohadjer, L., and Rizzo, L. (1999). A methodology for sampling households late in a decade. *Proceedings of the Survey Research Methods Section of the American Statistical Association*, pp. 311-315.
- Bell, B., Mohadjer, L., Montaquila, J., and Rizzo, L. (1999). Creating a frame of newly constructed units for household surveys. *Proceedings of the Survey Research Methods Section of the American Statistical Association*, pp. 306-310.
- Krenzke, T., Mohadjer, L., and Montaquila, J. (1998). Generalizing the imputation error variance in the Alcohol and Drug Services Study. *Proceedings of the Survey Research Methods Section of the American Statistical Association*, pp. 118-123.
- Montaquila, J., Mohadjer, L., and Khare, M. (1998). The enhanced sample design of the future National Health and Nutrition Examination Survey (NHANES). *Proceedings of the Survey Research Methods Section of the American Statistical Association*, pp. 662-667.
- Montaquila, J.M., and Jernigan, R.W. (1997). Variance estimation in the presence of imputed data. *Proceedings of the Survey Research Methods Section of the American Statistical Association*, pp. 273-277.
- Montaquila, J.M., Mohadjer, L., Waksberg, J., and Khare, M. (1996). A detailed look at coverage in the Third National Health and Nutrition Examination Survey (NHANES III, 1988-1994). *Proceedings of the Survey Research Methods Section of the American Statistical Association*, pp. 532-537.
- Montaquila, J.M., and Ponikowski, C.H. (1995). An evaluation of alternative imputation methods. *Proceedings of the Survey Research Methods Section of the American Statistical Association*, pp. 281-286.

Montaquila, J.M., and Ponikowski, C.H. (1993). Comparison of methods for imputing missing response in an establishment survey. *Proceedings of the Survey Research Methods Section of the American Statistical Association*, pp. 446-451.

Technical Reports

Bielick, S., Cronen, S., Stone, C., Montaquila, J.M., Roth, S.B., and Boivin, S. (in press). *The Adult Training and Education Survey (ATES) Pilot Study: Draft technical report* (Publication No. NCES 2012-190). Washington, DC: National Center for Education Statistics.

Montaquila, J., Freedman, V.A., and Kasper, J.D. (2012). *National Health and Aging Trends Study Round 1 income imputation* (NHATS Technical Paper #3). Baltimore, MD: Johns Hopkins University School of Public Health. Available at www.NHATS.org.

Montaquila, J., Freedman, V.A., Spillman, B., and Kasper, J.D. (2012). *National Health and Aging Trends Study development of Round 1 survey weights* (NHATS Technical Paper #2). Baltimore, MD: Johns Hopkins University School of Public Health. Available at www.NHATS.org.

Montaquila, J., Freedman, V.A., Edwards, B., and Kasper, J.D. (2012). *National Health and Aging Trends Study Round 1 sample design and selection* (NHATS Technical Paper #1). Baltimore, MD: Johns Hopkins University School of Public Health. Available at www.NHATS.org.

Curtin, L.R., Mohadjer, L., Dohrmann, S., Montaquila, J., Kruszon-Moran, D., Mirel, L., Carroll, M., Hirsch, R., Schober, S., and Johnson, C.L. (2010). The National Health and Nutrition Examination Survey: Sample design, 1999-2006. National Center for Health Statistics. *Vital Health Statistics*, Series No. 2.

Van de Kerckhove, W., Montaquila, J.M., Carver, P.R., and Brick, J.M. (2009). *An evaluation of bias in the 2007 National Household Education Surveys Program: Results from a special data collection effort* (Publication No. NCES 2009-029). Washington, DC: National Center for Education Statistics.

Brick, J.M., Hagedorn, M.C., Montaquila, J., Roth, S.B., and Chapman, C. (2006). *Impact of monetary incentives and mailing procedures: An experiment in a federally sponsored telephone survey* (NCES 2006-066). Washington, DC: National Center for Education Statistics.

Roth, S., Montaquila, J., and Chapman, C. (2006). *Nonresponse bias in the 2005 National Household Education Surveys Program. Technical report* (NCES 2007-016). Washington, DC: National Center for Education Statistics.

Nolin, M.J., Montaquila, J., Nicchitta, P., Hagedorn, M.C., and Chapman, C. (2004). *National Household Education Surveys Program: 2001 methodology report* (Publication No. NCES 2005-071). Washington, DC: National Center for Education Statistics.

Mohadjer, L., Montaquila, J., Dohrmann, S., Fisher, J., and Fitch, S. (2001). *National Health and Nutrition Examination Survey 2002+ sample design research draft report* (Prepared under contract to the National Center for Health Statistics). Rockville, MD: Westat.

- Mohadjer, L., Montaquila, J., Dohrmann, S., Lê, T., Bell, B., Fisher, J., and Montes, M. (2000). *National Health and Nutrition Examination Survey 1999 sample design and selection, weighting, and estimation draft report* (Prepared under contract to the National Center for Health Statistics). Rockville, MD: Westat.
- Nolin, M.J., Montaquila, J.M., Nicchitta, P., Kim, K., Kleiner, B., Lennon, J., Chapman, C., Creighton, S., and Bielick, S. (2000). *NHES:1999 methodology report* (Publication No. NCES 2000-078). Washington, DC: National Center for Education Statistics.
- Vaden-Kiernan, N., Nicchitta, P.G., Montaquila, J., and Collins, M.A. (1997). *Design, data collection, interview administration time, and data editing in the 1996 National Household Education Survey* (Publication No. NCES-WP-97-35). Washington, DC: National Center for Education Statistics.
- Montaquila, J.M., Brick, J.M., and Brock, S.P. (1997). *Reinterview results for the Parent and Youth Components of the 1996 National Household Education Survey* (Publication No. NCES-WP-97-38). Washington, DC: National Center for Education Statistics.
- Montaquila, J.M., Brick, J.M., and Brock, S.P. (1997). *Undercoverage bias in estimates of characteristics of households and adults in the 1996 National Household Education Survey* (Publication No. NCES-WP-97-39). Washington, DC: National Center for Education Statistics.
- Montaquila, J.M., and Brick, J.M. (1997). *Unit and item response rates, weighting, and imputation procedures in the 1996 National Household Education Survey* (Publication No. NCES-WP-97-40). Washington, DC: National Center for Education Statistics.
- Mohadjer, L., Montaquila, J., Waksberg, J., Bell, B., James, P., Flores-Cervantes, I., and Montes, M. (1996). *National Health and Nutrition Examination Survey III: Weighting and estimation methodology* (Prepared under contract to the National Center for Health Statistics). Rockville, MD: Westat.

Other Presentations

- Montaquila, J.M., Brick, J.M., and Kim, K. (2012, May). *Methodological findings from a two-phase address based sample fielded by mail*. Presented at the 67th Annual Conference of the American Association for Public Opinion Research.
- Montaquila, J.M., and Olson, K. (2012, April). *Practical tools for nonresponse bias studies*. Webinar sponsored by the Survey Research Methods Section of the American Statistical Association.
- Montaquila, J.M. (discussant). (2012, January). *Detecting and correcting nonresponse error and bias in large sample government data collections in the U.S. and Canada: Discussion*. Presented at the Federal Committee on Statistical Methodology Research Conference.
- Montaquila, J.M., and Brick, J.M. (2011). *A data collection model for address-based samples*. Presented at the DAG Seminar Series, National Center for Health Statistics.

- Montaquila, J.M., and Brick, J.M. (2011). *A data collection model for address-based samples*. Presented at the 66th Annual Conference of the American Association for Public Opinion Research.
- Montaquila, J.M., and Olson, K. (2010, November). *Practical tools for nonresponse bias studies*. Short course presented as part of the Joint Program in Survey Methodology Short Course Series.
- Montaquila, J.M., and Olson, K. (2010, October). *Practical tools for nonresponse bias studies*. Short course presented at the Southern Association for Public Opinion Research Annual Conference.
- Montaquila, J.M., Brick, J.M., and Williams, D. (2010, September). *Maximizing response for households with children in a two-phase address-based sample*. Presented at the National Center for Health Statistics, DAG Seminar Series.
- Montaquila, J.M., Brick, J.M., Hagedorn, M.C., and Williams, D. (2010, May). *Maximizing response in a two-phase survey with mail as the primary mode*. Presented at the 65th Annual Conference of the American Association for Public Opinion Research.
- Montaquila, J.M. (2009, November). *Uses of and experiences with address-based sampling*. Presented to the Washington Statistical Society and the Washington, DC, Chapter of the American Association for Public Opinion Research.
- Montaquila, J.M., and Olson, K. (2009, November). *Practical tools for nonresponse bias studies* (short course). Presented to the Washington, DC, Chapter of the American Association for Public Opinion Research.
- Montaquila, J.M., Van de Kerckhove, W., Brick, J.M., and Hagedorn, M.C. (2009, June). *An in-field follow-up study of nonresponse and coverage bias in the 2007 National Household Education Surveys Program*. Presented at the Federal Committee on Statistical Methodology Workshop on Nonresponse Bias Analyses.
- Montaquila, J.M., Brick, J.M., and Curtin, L.R. (2008, October). *Methods for sampling households to identify 100,000 births*. Presented at the National Center for Health Statistics DAG Seminar Series.
- Montaquila, J.M. (discussant). (2007, November). *Sample design*. Federal Committee on Statistical Methodology Research Conference.
- Groves, R.M., and Montaquila, J. (2006, March). *Practical tools for nonresponse bias studies* (short course). Presented at the Odum Institute, University of North Carolina.
- Montaquila, J.M., Brick, J.M., Hagedorn, M.C., Kennedy, C., and Keeter, S. (2006, January). *Aspects of nonresponse bias in RDD telephone surveys* (invited paper). Presented at the Second International Conference on Telephone Survey Methodology (TSM II), Miami, FL.
- Montaquila, J. (2005, November). *When does raking converge?* (Department of Mathematics and Statistics colloquium). Presented at American University, Washington, DC.

Montaquila, J. (discussant). (2005, October). *Best practices in estimating and reporting nonresponse bias* (methodology seminar presented by J. Dixon). Presented to the Washington Statistical Society.

Montaquila, J.M., and Brick, J.M. (2004, March). *Identifying problems with raking estimators* (methodology seminar). Presented to the Washington Statistical Society.

Montaquila, J.M. (2001, May). *Filling in the blanks: An introduction to imputation as a means for handling missing values* (short course). Presented at the 56th Annual Meeting of the American Association for Public Opinion Research.

Montaquila, J.M., and Jernigan, R.W. (1999, October). *Variance estimation I: Accounting for imputation* (methodology seminar). Presented to the Washington Statistical Society.

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