

# David A. Marker, Ph.D.

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## Summary

Dr. David Marker is a senior statistician and Associate Director at Westat, with 37 years of experience in data collection, survey research, sampling, survey evaluation, data analysis, modeling, quality control and improvement, and small area statistics. Dr. Marker's primary field of study was survey sampling. His Ph.D. dissertation topic was small area estimation. He has worked on studies in the fields of health, housing, energy, social services, transportation, and the environment, as well as in the commercial sector. Dr. Marker is an internationally recognized consultant in total quality management, having been invited to conduct training sessions for the Swedish, Norwegian, and Finnish Governments on improving the quality of their data collection activities. He conducted audits of data collection for the British, Dutch, Danish, and South African Governments. Dr. Marker has also appeared as an expert witness before Federal, state, and local governments.

## Education

Ph.D., Biostatistics, University of Michigan, Ann Arbor, 1995

M.A., Statistics, University of Michigan, Ann Arbor, 1980

B.S., Mathematics, University of Maryland, 1978

## Redistricting

- 1986 Drafted redistricting plan used by the County Council as basis of plan
- 1991 Led development of plan used by the County Council as basis of plan
- 2001 Chaired panel that drafted plan approved by County Council
- 2011 Member of panel that drafted plan used by the County Council as basis of plan

## Voter Identification Expert Witness

Expert Witness before U.S. Federal Court of Appeals, *Texas v. Holder*, responsible for Court dismissing Texas' data that attempted to demonstrate that their Voter ID law did not discriminate against minorities. "The results of surveys with such low response rates, Dr. Marker bluntly concluded, are 'really irrelevant.' Thus, taking our cues from the polling industry itself, we have little trouble finding that Dr. Shaw's response rates fall well short of acceptable." Text of court opinion dismissing Texas' data.

Expert Witness before Pennsylvania State Court, *Applewhite et al., v. Commonwealth of Pennsylvania*, responsible for Court accepting data that demonstrated their Voter ID law did discriminate against minorities.

Expert Witness before U.S. Eleventh District Court, *Greater Birmingham Ministries, Alabama State Conference NAACP, et al., v. Secretary of State for the State of Alabama*, submitted evidence

accepted by the Court demonstrating that minorities were less likely to have allowed forms of ID.

## Professional Achievements

American Statistical Association: Co-Chair, ASA Anti-Racism Task Force (2020-2021); Board of Directors (2009-2011); Elected Fellow (2004); Chair, Scientific and Public Affairs Advisory Committee (2005-2010)  
Organizer, American Statistical Association Workshop on a Statistical Consensus on Climate Change, Boulder, CO (2007)  
Member, National Academy of Sciences Panel on Research and Development Priorities for the U.S. Census Bureau's State and Local Government Statistics Program (2006-2007)  
Washington Statistical Society: President Elect, President, Past President (2002-2005)  
Elected Member, International Statistical Institute (2001)  
Panel Member, Director's Award for Innovation, U.S. Census Bureau (2004, 2005, and 2009)  
Member, Workshops on Small Area Estimation for the Defense Manpower Data Center and Methodological Approaches to the Preparation of Small Area Estimates, National Academy of Sciences  
Associate Editor, *Journal of Official Statistics* and *Journal of Statistics and Public Policy*  
Referee: *Journal of the American Statistical Association*, *Journal of Official Statistics*, *Journal of the Royal Statistical Society*, *Statistical Science*, *Public Opinion Quarterly*, *Journal of Survey Statistics and Methodology*, *Contemporary Jewry*, and *Metron*

## Selected Publications and Presentations

Marker, D.A. (2020, December). Alternative modes of data collection: Surveys in the time of COVID (invited keynote presenter). 8th IBGE Methodology Seminar 2020, Rio de Janeiro, Brazil.

Rizzo, L., Riddles, M., and Marker, D.A. (2019, November). Using preliminary estimates to reduce the data collection period in repeated surveys (lecture presenter). U.S. Census Bureau, Suitland, MD.

Marker, D.A., Mardon, R., Jenkins, F., Campione, J., Nooney, J.G., Li, J., Saydeh, S., Zhang, X., Shrestha, S., and Rolka, D. (2018). State-level estimation of diabetes and prediabetes prevalence: Combining national and local survey data and clinical data. *Statistics In Medicine*, 37. [Advance online publication: June 22, 2018] doi: 10.1002/sim.7848

Mardon, R., Marker, D., Nooney, J., Campione, J., Jenkins, F., Johnson, M., Merrill, L., Rolka, D.B., Saydah, S., Geiss, L.S., Zhang, X., and Shrestha, S. (2017). Novel methods and data sources for state-level diabetes and prediabetes prevalence surveillance. *Preventing Chronic Disease*, 14. doi: 10.5888/pcd14.160572

Marker, D. (2017). How have national statistical institutes improved quality in the last 25 years. *Statistical Journal of the LAOS*, 33(4).

Marker, D. (2016). Using best survey practices for Jewish community studies. *Contemporary Jewry*, 36(3), 427-431. doi: 10.1007/s12397-016-9199-9

DeWalt, F.G., Cox, D.C., O'Haver, R., Salatino, B., Holmes, D., Ashley, P.J., Pinzer, E.A., Friedman, W., Marker, D., Viet, S.M., and Fraser, A. (2015). Prevalence of lead hazards and soil arsenic in U.S. housing. *Journal of Environmental Health*, 78(5), 22-29. Available at: <http://iswww.neha.org/node/6429>. PMID: 26738315

Marker, D.A. (2014). The statistical role in voter identification (ID) laws. *Statistics and Public Policy*, 1(1), 46-50. Available at: <http://www.tandfonline.com/doi/full/10.1080/2330443X.2013.856710>. doi: 10.1080/2330443X.2013.856710

Viet, S.M., Rogers, J., Marker, D., Fraser, A., Friedman, W., Jacobs, D., Zhou, J., and Tulve, N. (2013). Lead, allergens, and pesticide use in child care centers in the United States. *Journal of Environmental Health*, 76(5), 8-14.

Marker, D.A. (2008). Methodological review of "Mortality after the 2003 invasion of Iraq: A cross-sectional cluster sample survey." *Public Opinion Quarterly*, 72(2), 345-363. Available at: <http://poq.oxfordjournals.org/content/72/2/345.full?sid=c07f2e9e-8d16-4773-9100-09a8bc434a15>.