



ICF Macro Corporate Capabilities for the U.S. Census Bureau Task RD-2014 Data Analysis and Dissemination

Qualifications and Experience

ICF Macro's information dissemination experience focuses on the analysis and dissemination of survey and census data. We have extensive capabilities in all aspects of the data survey process, including survey system design, development, and implementation, and data collection, editing, analysis, and dissemination.

Our data analysis methods involve a number of approaches, including:

- Using administrative datasets to derive estimates of administrative errors
- Analysis related to estimating the amount of eligibility error
- Post-stratification and model-based methods (e.g., post-stratification balancing, regression, or hierarchical Bayes methods)
- Exploring the advantages and disadvantages of using additional data sources to create synthetic estimates

ICF Macro has developed dissemination capabilities for projects ranging from large health information databases to analytic systems focused on science and engineering education data, providing systems ranging from simple tables to complex Web-based systems that permit real-time table production.

Short List of Clients/Projects

- U.S. Department of Agriculture Food and Nutrition Service Special Supplemental Nutrition Program for Woman, Infants, and Children—ICF Macro collected data on eligibility criteria through a cluster sample design and now analyzes the data to produce error estimates.
- National Science Foundation—ICF Macro designed, built, and maintains the Web-Based Computer-Aided Science Policy Analysis and Research (WebCASPAR) database system, a powerful Web interface to a storehouse for national-, State-, and institutional-level statistics data on graduate education in science and engineering and on funding for research and development at universities and colleges.
- U.S. Department of Veterans Affairs Veterans Health Administration—ICF Macro used administrative health records to estimate a response propensity model to reduce nonresponse bias in estimating health access and utilization statistics.
- U.S. Census Bureau—ICF Macro conducted a document review focusing on the Office of Management and Budget's Standards and Guidelines for Statistical Surveys and documents related to Census Bureau activities to develop data quality standards, including data quality guidelines, supporting documentation, and internal Census Bureau documents (e.g., reports on evaluations of the data quality standards).

Key Personnel

The ICF Macro Project Team consists of:

Key Project Staff

- Tesfayi Gebreselassie—Subject Matter Specialist
- Dan Geller—Methodologist/Senior Data Analyst
- Kinsey Gimbel—Subject Matter Specialist (Surveys/Dissemination)
- Kathryn Harper—Subject Matter Specialist (Surveys/Dissemination)
- Gary Huang—Subject Matter Specialist (Survey/Analysis)
- Richard Mantovani—Project Director/Methodologist/Data Analyst
- Mark Morgan—Methodologist/Data Analyst
- Benita O’Colmain—Mathematical Statistician
- Kevin Zhang—Demographer
- Randal ZuWallack—Mathematical Statistician

Subcontractors:

- Walter R. McDonald & Associates, Inc (Demographers/Statistical Analysis)
- Joel Popkin and Company (Economists)
- Blue Raster, LLC (Geographic Information Systems)
- M. Davis and Company (Survey Data and Analysis)