

## WesDaX® Features

Westat's Data Explorer (WesDaX) enables clients, collaborators, and Westat staff to run online analyses and display various types of reports in real-time using weighted (from complex samples) or unweighted data files. WesDaX is run from any standard Web browser and is designed to allow users without high levels of technical and statistical expertise to have easy access to data. Westat has worked, or continues to work, with various government agencies, including the Office of Personnel Management (OPM), National Center for Health Statistics (NCHS), Department of Justice (DOJ), Administration on Aging (AOA), National Cancer Institute (NCI), and the Department of Veterans Administration (plus others) to provide survey data and reports using the WesDaX online reporting system. Some features of WesDaX are highlighted below:

- Allows you to generate statistical analyses in real-time from complex survey sample data
- Easy, straightforward, and flexible
  - No code writing
- Analysis options
  - Weighted and unweighted analyses
  - Frequencies, percentages, means, percentiles
  - Trends
  - Estimates of precision (confidence intervals, standard errors)
  - Statistical tests (t-test, chi-square test of independence) with option for degrees of freedom to be computed in real-time
  - Adjusted rates to standardize age distributions
  - Means and variances appropriately computed under multiple imputation
  - SAS internet analysis for sophisticated parameterized reports which can be output into multiple formats such as Excel, HTML, RTF, or PDF (server charges apply)
  - Export tables to Excel
- Configuration of Analysis (TableBuilder)
  - Combining categories of variables
  - Cell size suppression

- Confidentiality treatments with simple and advanced options
- Commonly used queries can be saved and made readily available
- Data visualization
  - Google chart graphics: Charts, trends, maps
- Inclusion/exclusion of coded missing
- Parameter drill-down for filters (subgroups)
- Customized site
  - Logo
  - Menu structure
  - Project documents (including codebooks, user manuals)
  - Reporting
    - Customized reports
    - Pre-generated static table reports
  - Users and user access restriction
    - FSMA-moderate user account policies
  - Ability to access from another website (single sign-on)
  - 508-compliance
  - Project contacts
- Performance considerations
  - Real-time customized results within seconds on large files – hundreds of thousands, if not millions of cases, and hundreds of variables
- Variety of uses
  - A data dissemination deliverable for public or private data
  - Access several microdata files, codebooks, documents, reports, user manuals
  - Project use for Westat and client staff