

README File for 2010 Census Demographic Profile Summary File
Re-Release with SF1 geographies
Delivered via FTP

Note: Users processing these FTP files in a Windows environment should read carefully the File Information section of this document.

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About the FTP Application

This FTP (File Transfer Protocol) application is intended for experienced users of census data, zip files, and spreadsheet/database software. It provides quick access for data users such as State Data Centers and news media needing to begin their analysis immediately upon data release. Due to the size of the files, the FTP user should have a fast file transfer capability.

The FTP Directory

The FTP directory is at http://www2.census.gov/census_2010/03-Demographic_Profile_with_SF1geos. When the 2010 Census Demographic Profile Summary Files are added to each state's directory, it will contain a single zip package with the two data segments and a packing list which provides information about the file's creation and size. See below for more information on Segmented Data.

Users of the FTP application need to unzip the package after downloading, then import the data into the spreadsheet/database software of their choice for data analysis and table presentation. *We are unable to provide one-on-one support for applications of the data to specific spreadsheets or data base software.*

File Information

Once the package is unzipped, the files are in flat ASCII format. The geographic header file

contains fixed fields while the data files are in comma-delimited format. Both the geographic header and the data files contain geographic linking fields. These files have been constructed in a LINUX environment. They use an ASCII linefeed, chr(10), to indicate a new record.

For successful use with many programs running in a Windows environment, these files need to be modified to use the ASCII carriage return/linefeed sequence, chr(13) + chr(10) as a record terminator. This is an easy step in the UnZIP process using any UnZIP software which offers the conversion option. Winzip for Windows, version 14.5 has been tested.

The resulting file will meet the ANSI MS-DOS/Windows standard used by Access 2003 and Access 2007 and other MS Windows-based programs. If the data are being processed in a LINUX environment, they can be unzipped using any standard Linux ZIP/UnZIP package.

Note to Users of Microsoft Access:

Due to the FieldSize property limitations within Microsoft Access, modifications to field types are required when importing the Geographic Header Record file and File01:

- All fields classified as numeric (N) should be imported as long integers.
- AREALAND and AREAWATR should be imported as text.

Failure to make these changes may result in missing data upon import.

Segmented Data

The data in the 2010 Census Demographic Profile Summary File and other 2010 Census summary files are segmented. This is done so that individual files will not have more than 255 fields, facilitating exporting into spreadsheet or database software. In short, **to get a complete set of the 2010 Census Demographic Profile Summary File, users must download both files in the package.**

The files are as follows:

Geographic Header Record file
File01 (DPSF1-DPSF23)

It is easiest to think of the file set as a logical file. This logical file consists of two physical files: the geographic header file and file01. **This structure is the same as the 2010 Census Redistricting Data files.**

The explanation below for linking the two data files requires specific location information about the geographic header. These are located in Chapter 2 - How to use this Product, of the Technical Documentation <http://www.census.gov/prod/cen2010/doc/dpsf.pdf>.

A unique logical record number (LOGRECNO) in the geographic header is assigned to all files for a specific geographic entity; all records for that entity can be linked together across files. Additional identifying fields are also carried over from the geographic header file to the table files. The fields are: file identification (FILEID), state/U.S. abbreviation (STUSAB), and characteristic iteration (CHARITER).

The geographic header record layout is identical across all electronic data products from the 2010 Census. Since the 2010 Census Demographic Profile Summary File data files are quite simple, some of the fields, including some geographic header fields that appear in both files (the geographic header and file01), are not used. For example, the characteristic iteration (CHARITER) field will be used in the 2010 Census Summary File 2 data product but in the 2010 Census Demographic Profile Summary File, it is always coded as 000.

File Record Layout

For a layout of the data table, see <http://www.census.gov/prod/cen2010/doc/dpsf.pdf>, select Chapter 4, *Data Dictionary*.