## Census 2000 - Types of Census Tract Relationships

Within the population-based and street-side mileage-based census tract relationship files for Census 2000, there are four main types of census tract relationships that occur: no change, merge, revision, and split.

Note: In some instances, various combinations of these four main relationships can exist.

Examples of the four main census tract relationship types are provided below for both the street-side mileage and population-based census tract relationship files for Kent County, Delaware.

### 1. No Change

This record is an example of a census tract (401) that exhibited no change from 1990 to 2000.

Note: Both percentages are 100-percent and there are no "P" part indicators.

Population-based example:

10001040100 5337100010001040100 53371000 5337 124644DEKent

Street-side mileage-based example:

10001040100 2036100010001040100 20361000 2036 124644DEKent

### 2. Merge

These records show that 1990 census tracts 403 and 404 merged to form 2000 census tract 404.

Note: The effect of rounding shows up in these records. The sum of the population for each record (824 and 823) does not equal the population of the 2000 census tract (1,648). (Refer to the note on rounding in the "File Descriptions" section, under the heading "1. Population-based Census Tract Relationship File.")

Population-based example:

10001040300 172100010001040400P 11560149 172 77556DEKent

10001040400 984100010001040400P 11560851 984 100528DEKent

Street-side mileage-based example:

10001040300 824100010001040400P 16480500 824 77556DEKent

10001040400 823100010001040400P 16480500 823 100528DEKent

### 3. Revision

These records show that 2000 census tract 414 includes a portion of 1990 census tract 415.

Population-based example:

10001041400 3008100010001041400P 30180997 3008 6671DEKent

10001041500P 3799000310001041400P 30180003 10 110DEKent

10001041500P 3799099710001041500 37891000 3789 3068DEKent

Street-side mileage-based example:

10001041400 350100010001041400P 3650958 350 6671DEKent

10001041500P 310004910001041400P 3650042 15 110DEKent

10001041500P 310095110001041500 2941000 294 3068DEKent

### 4. Split:

These records show that 1990 census tract 402 split into three 2000 census tracts - - 402.01, 402.02, and 402.03.

Population-based example:

10001040200P 11735029610001040201 34771000 3477 9796DEKent

10001040200P 11735044210001040202 51891000 5189 32059DEKent

10001040200P 11735026210001040203 30691000 3069 59822DEKent

Street-side mileage-based example:

10001040200P 2987021110001040201 6311000 631 9796DEKent

10001040200P 2987036310001040202 10851000 1085 32059DEKent

10001040200P 2987042610001040203 12721000 1272 59822DEKent

## File Format and Record Layouts for the Census 2000 Census Tract Relationship Files

The Census 2000 census tract relationship files are in fixed length ASCII format. The two census tract relationship files consist of one record per each 1990 census tract/2000 census tract spatial set. A spatial census tract set is defined as the area that is uniquely shared between a 1990 census tract and a 2000 census tract. The two files of significantly changed census tracts consist only of a list of census tracts that exhibited a change of 2.5-percent or greater. The current release includes 56 sets of files, one set for each of the 50 states plus separate files for the District of Columbia, Puerto Rico, American Samoa, Guam, the Northern Mariana Islands, and the U.S. Virgin Islands.

The file naming convention is in parenthesis below after the file name. The "xx" represents the 2-character Post Office state abbreviation and "NN" represents the 2-digit state FIPS code.

Pop Based Layout

| Field | Field Length | Field Description |
| --- | --- | --- |
| 1-2 | 2 | 1990 state FIPS code |
| 3-5 | 3 | 1990 county FIPS code |
| 6-9 | 4 | 1990 census tract base |
| 10-11 | 2 | 1990 census tract suffix |
| 12 | 1 | 1990 census tract part flag |
| 13-21 | 9 | Census 2000 population for 1990 census tract |
| 22-25 | 4 | Percentage of 1990 census tract population\* |
| 26-27 | 2 | 2000 state FIPS code |
| 28-30 | 3 | 2000 county FIPS code |
| 31-34 | 4 | 2000 census tract base |
| 35-36 | 2 | 2000 census tract suffix |
| 37 | 1 | 2000 census tract part flag |
| 38-46 | 9 | Census 2000 Population of 2000 census tract |
| 47-50 | 4 | Percentage of 2000 census tract population\* |
| 51-59 | 9 | 2000 population of the area covered by the record |
| 60-73 | 14 | Land area of the record (1000 sq.meters) |
| 74-75 | 2 | 2000 state name abbreviation |
| 76-135 | 60 | 2000 county name |

*\*These figures are shown to one decimal place (000.1); the decimal place is implied.*

Sig Changed 1990 Layout

|  |  |  |
| --- | --- | --- |
| Field | Field Length | Field Description |
| 1-2 | 2 | 1990 state FIPS code |
| 3-5 | 3 | 1990 county FIPS code |
| 6-9 | 4 | 1990 census tract base |
| 10-11 | 2 | 1990 census tract suffix |

Sig Changed 2000 Layout

|  |  |  |
| --- | --- | --- |
| **Field** | Field Length | Field Description |
| 1-2 | 2 | 2000 state FIPS code |
| 3-5 | 3 | 2000 county FIPS code |
| 6-9 | 4 | 2000 census tract base |
| 10-11 | 2 | 2000 census tract suffix |

Street Side

|  |  |  |
| --- | --- | --- |
| Field | Field Length | Field Description |
| 1-2 | 2 | 1990 state FIPS code |
| 3-5 | 3 | 1990 county FIPS code |
| 6-9 | 4 | 1990 census tract base |
| 10-11 | 2 | 1990 census tract suffix |
| 12 | 1 | 1990 census tract part flag |
| 13-18 | 6 | Street-side mileage of 1990 census tract |
| 19-22 | 4 | Percentage of 1990 census tract street-side mileage\* |
| 23-24 | 2 | 2000 state FIPS code |
| 25-27 | 3 | 2000 county FIPS code |
| 28-31 | 4 | 2000 census tract base |
| 32-33 | 2 | 2000 census tract suffix |
| 34 | 1 | 2000 census tract part flag |
| 35-40 | 6 | Street-side mileage of 2000 census tract |
| 41-44 | 4 | Percentage of 2000 census tract street-side mileage\* |
| 45-50 | 6 | Street-side mileage of the area covered by the record |
| 51-64 | 14 | Land area of the record (1000 sq.meters) |
| 65-66 | 2 | 2000 state name abbreviation |
| 67-126 | 60 | 2000 county name |

*\*These figures are shown to one decimal place (000.1); the decimal point is implied.*