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Codebook for NHGIS data file 'wide\_dp1\_\*'  
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#### Contents

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Additional documentation on NHGIS data sources is available at:  
<https://www.nhgis.org/documentation/tabular-data>

#### ----- Data Summary -----

This data file contains the variables that are found in segment 1 of the Census Bureau's 2010 Demonstration Data Product. The 2010 Demonstration Data Product uses a differentially private algorithm to inject noise into the 2010 decennial census data. This data file facilitates the comparison of the noise-injected data vs. the original 2010 decennial data.

Technical documentation and raw data files for the 2010 Demonstration Product can be found at <https://www.census.gov/programs-surveys/decennial-census/2020-census/planning-management/2020-census-data-products/2010-demonstration-data-products.html>

Segment 1 of the demonstration product contains person variables. In particular, segment 1 contains variables from the following 2010 Summary File 1 tables:

P1  
P2  
P3  
P4  
P5  
P6  
P7  
P12

P13  
P14  
P15  
P16  
P18  
P19  
P20  
P22

This data file is in a wide format. Each record is a geographic unit, and each column is a variable containing information about that geographic unit. The column headers consist of two parts. The first six characters describe the contents of the column, and the last two characters describe the source of the data in the column. Columns with a "\_dp" suffix come from the 2010 Demonstration Data Product, and columns with a "\_sf" suffix come from 2010 Summary File 1.

IPUMS NHGIS staff created data files for 11 different geographic levels. File names and their meanings are:

1. wide\_dpl\_040.csv - State
2. wide\_dpl\_050.csv - County
3. wide\_dpl\_060.csv - County subdivision
4. wide\_dpl\_160.csv - Place
5. wide\_dpl\_230.csv - Alaska Native Regional Corporation
6. wide\_dpl\_250.csv - American Indian/Alaska Native Area/Hawaiian Home Land
7. wide\_dpl\_310.csv - Core-based statistical area (CBSA)
8. wide\_dpl\_400.csv - Urban areas
9. wide\_dpl\_500.csv - 111th Congressional district
10. wide\_dpl\_610.csv - State legislative district (upper chamber)
11. wide\_dpl\_620.csv - State legislative district (lower chamber)

The remainder of this codebook describe the contents of each column.

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Data Summary  
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Year: 2010  
Dataset: 2010 Census: SF 1a - P & H Tables [Blocks & Larger Areas]  
NHGIS code: 2010\_SF1a  
NHGIS ID: ds172  
Breakdown(s): Geographic Subarea:  
Total area (00)

Tables:

1. Total Population  
Universe: Total population  
Source code: P1  
NHGIS code: H7V
2. Race  
Universe: Total population  
Source code: P3  
NHGIS code: H7X
3. Hispanic or Latino Origin  
Universe: Total population  
Source code: P4  
NHGIS code: H7Y
4. Hispanic or Latino Origin by Race  
Universe: Total population  
Source code: P5  
NHGIS code: H7Z
5. Race (Total Races Tallied)  
Universe: Total races tallied  
Source code: P6  
NHGIS code: H70
6. Hispanic or Latino Origin by Race (Total Races Tallied)  
Universe: Total races tallied  
Source code: P7  
NHGIS code: H71

7. Sex by Age  
Universe: Total population  
Source code: P12  
NHGIS code: H76
8. Median Age by Sex  
Universe: Total population  
Source code: P13  
NHGIS code: H77
9. Sex by Age for the Population Under 20 Years  
Universe: Population under 20 years  
Source code: P14  
NHGIS code: H78
10. Hispanic or Latino Origin of Householder by Race of Householder  
Universe: Households  
Source code: P15  
NHGIS code: H79
11. Population in Households by Age  
Universe: Population in households  
Source code: P16  
NHGIS code: H8A
12. Household Type  
Universe: Households  
Source code: P18  
NHGIS code: H8C
13. Household Size by Household Type by Presence of Own Children  
Universe: Households  
Source code: P19  
NHGIS code: H8D
14. Households by Presence of People Under 18 Years by Household Type by Age of People Under 18 Years  
Universe: Households

Source code: P20  
NHGIS code: H8E

15. Household Type by Age of Householder

Universe: Households  
Source code: P22  
NHGIS code: H8G

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Data Dictionary  
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Context Fields

gisjoin: GIS Join Match Code  
name: Area Name-Legal/Statistical Area Description (LSAD) Term-Part Indicator

Breakdown:

Geographic Subarea: Total area (00)

Table 1: Total Population  
Universe: Total population  
Source code: P1  
NHGIS code: H7V  
H7V001: Total

Table 2: Race  
Universe: Total population  
Source code: P3  
NHGIS code: H7X  
H7X001: Total  
H7X002: White alone  
H7X003: Black or African American alone  
H7X004: American Indian and Alaska Native alone  
H7X005: Asian alone  
H7X006: Native Hawaiian and Other Pacific Islander alone  
H7X007: Some Other Race alone  
H7X008: Two or More Races

Table 3: Hispanic or Latino Origin

Universe: Total population

Source code: P4

NHGIS code: H7Y

H7Y001: Total

H7Y002: Not Hispanic or Latino

H7Y003: Hispanic or Latino

Table 4: Hispanic or Latino Origin by Race

Universe: Total population

Source code: P5

NHGIS code: H7Z

H7Z001: Total

H7Z002: Not Hispanic or Latino

H7Z003: Not Hispanic or Latino: White alone

H7Z004: Not Hispanic or Latino: Black or African American alone

H7Z005: Not Hispanic or Latino: American Indian and Alaska Native alone

H7Z006: Not Hispanic or Latino: Asian alone

H7Z007: Not Hispanic or Latino: Native Hawaiian and Other Pacific Islander alone

H7Z008: Not Hispanic or Latino: Some Other Race alone

H7Z009: Not Hispanic or Latino: Two or More Races

H7Z010: Hispanic or Latino

H7Z011: Hispanic or Latino: White alone

H7Z012: Hispanic or Latino: Black or African American alone

H7Z013: Hispanic or Latino: American Indian and Alaska Native alone

H7Z014: Hispanic or Latino: Asian alone

H7Z015: Hispanic or Latino: Native Hawaiian and Other Pacific Islander alone

H7Z016: Hispanic or Latino: Some Other Race alone

H7Z017: Hispanic or Latino: Two or More Races

Table 5: Race (Total Races Tallied)

Universe: Total races tallied

Source code: P6

NHGIS code: H70

H70001: Total races tallied

H70002: White alone or in combination with one or more other races

H70003: Black or African American alone or in combination with one or more other races

H70004: American Indian and Alaska Native alone or in combination with one or more other  
 races  
 H70005: Asian alone or in combination with one or more other races  
 H70006: Native Hawaiian and Other Pacific Islander alone or in combination with one or  
 more other races  
 H70007: Some Other Race alone or in combination with one or more other races

Table 6: Hispanic or Latino Origin by Race (Total Races Tallied)

Universe: Total races tallied

Source code: P7

NHGIS code: H71

H71001: Total races tallied  
 H71002: Not Hispanic or Latino  
 H71003: Not Hispanic or Latino: White alone or in combination with one or more other  
 races  
 H71004: Not Hispanic or Latino: Black or African American alone or in combination with  
 one or more other races  
 H71005: Not Hispanic or Latino: American Indian and Alaska Native alone or in combination  
 with one or more other races  
 H71006: Not Hispanic or Latino: Asian alone or in combination with one or more other  
 races  
 H71007: Not Hispanic or Latino: Native Hawaiian and Other Pacific Islander alone or in  
 combination with one or more other races  
 H71008: Not Hispanic or Latino: Some Other Race alone or in combination with one or more  
 other races  
 H71009: Hispanic or Latino  
 H71010: Hispanic or Latino: White alone or in combination with one or more other races  
 H71011: Hispanic or Latino: Black or African American alone or in combination with one or  
 more other races  
 H71012: Hispanic or Latino: American Indian and Alaska Native alone or in combination  
 with one or more other races  
 H71013: Hispanic or Latino: Asian alone or in combination with one or more other races  
 H71014: Hispanic or Latino: Native Hawaiian and Other Pacific Islander alone or in  
 combination with one or more other races  
 H71015: Hispanic or Latino: Some Other Race alone or in combination with one or more  
 other races

Table 7: Sex by Age

Universe: Total population

Source code: P12

NHGIS code: H76

H76001:	Total
H76002:	Male
H76003:	Male: Under 5 years
H76004:	Male: 5 to 9 years
H76005:	Male: 10 to 14 years
H76006:	Male: 15 to 17 years
H76007:	Male: 18 and 19 years
H76008:	Male: 20 years
H76009:	Male: 21 years
H76010:	Male: 22 to 24 years
H76011:	Male: 25 to 29 years
H76012:	Male: 30 to 34 years
H76013:	Male: 35 to 39 years
H76014:	Male: 40 to 44 years
H76015:	Male: 45 to 49 years
H76016:	Male: 50 to 54 years
H76017:	Male: 55 to 59 years
H76018:	Male: 60 and 61 years
H76019:	Male: 62 to 64 years
H76020:	Male: 65 and 66 years
H76021:	Male: 67 to 69 years
H76022:	Male: 70 to 74 years
H76023:	Male: 75 to 79 years
H76024:	Male: 80 to 84 years
H76025:	Male: 85 years and over
H76026:	Female
H76027:	Female: Under 5 years
H76028:	Female: 5 to 9 years
H76029:	Female: 10 to 14 years
H76030:	Female: 15 to 17 years
H76031:	Female: 18 and 19 years
H76032:	Female: 20 years
H76033:	Female: 21 years
H76034:	Female: 22 to 24 years
H76035:	Female: 25 to 29 years



H76036:	Female: 30 to 34 years
H76037:	Female: 35 to 39 years
H76038:	Female: 40 to 44 years
H76039:	Female: 45 to 49 years
H76040:	Female: 50 to 54 years
H76041:	Female: 55 to 59 years
H76042:	Female: 60 and 61 years
H76043:	Female: 62 to 64 years
H76044:	Female: 65 and 66 years
H76045:	Female: 67 to 69 years
H76046:	Female: 70 to 74 years
H76047:	Female: 75 to 79 years
H76048:	Female: 80 to 84 years
H76049:	Female: 85 years and over

Table 8: Median Age by Sex

Universe: Total population

Source code: P13

NHGIS code: H77

H77001:	Median age: Both sexes
H77002:	Median age: Male
H77003:	Median age: Female

Table 9: Sex by Age for the Population Under 20 Years

Universe: Population under 20 years

Source code: P14

NHGIS code: H78

H78001:	Total
H78002:	Male
H78003:	Male: Under 1 year
H78004:	Male: 1 year
H78005:	Male: 2 years
H78006:	Male: 3 years
H78007:	Male: 4 years
H78008:	Male: 5 years
H78009:	Male: 6 years
H78010:	Male: 7 years
H78011:	Male: 8 years

H78012:	Male: 9 years
H78013:	Male: 10 years
H78014:	Male: 11 years
H78015:	Male: 12 years
H78016:	Male: 13 years
H78017:	Male: 14 years
H78018:	Male: 15 years
H78019:	Male: 16 years
H78020:	Male: 17 years
H78021:	Male: 18 years
H78022:	Male: 19 years
H78023:	Female
H78024:	Female: Under 1 year
H78025:	Female: 1 year
H78026:	Female: 2 years
H78027:	Female: 3 years
H78028:	Female: 4 years
H78029:	Female: 5 years
H78030:	Female: 6 years
H78031:	Female: 7 years
H78032:	Female: 8 years
H78033:	Female: 9 years
H78034:	Female: 10 years
H78035:	Female: 11 years
H78036:	Female: 12 years
H78037:	Female: 13 years
H78038:	Female: 14 years
H78039:	Female: 15 years
H78040:	Female: 16 years
H78041:	Female: 17 years
H78042:	Female: 18 years
H78043:	Female: 19 years

Table 10: Hispanic or Latino Origin of Householder by Race of Householder  
 Universe: Households  
 Source code: P15  
 NHGIS code: H79  
 H79001: Total

	H79002:	Not Hispanic or Latino householder
	H79003:	Not Hispanic or Latino householder: Householder who is White alone
alone	H79004:	Not Hispanic or Latino householder: Householder who is Black or African American
	H79005:	Not Hispanic or Latino householder: Householder who is American Indian and Alaska
Native alone	H79006:	Not Hispanic or Latino householder: Householder who is Asian alone
	H79007:	Not Hispanic or Latino householder: Householder who is Native Hawaiian and Other
Pacific Islander alone	H79008:	Not Hispanic or Latino householder: Householder who is Some Other Race alone
	H79009:	Not Hispanic or Latino householder: Householder who is Two or More Races
	H79010:	Hispanic or Latino householder
	H79011:	Hispanic or Latino householder: Householder who is White alone
	H79012:	Hispanic or Latino householder: Householder who is Black or African American
alone	H79013:	Hispanic or Latino householder: Householder who is American Indian and Alaska
Native alone	H79014:	Hispanic or Latino householder: Householder who is Asian alone
	H79015:	Hispanic or Latino householder: Householder who is Native Hawaiian and Other
Pacific Islander alone	H79016:	Hispanic or Latino householder: Householder who is Some Other Race alone
	H79017:	Hispanic or Latino householder: Householder who is Two or More Races

Table 11: Population in Households by Age

Universe: Population in households

Source code: P16

NHGIS code: H8A

H8A001:	Total
H8A002:	Under 18 years
H8A003:	18 years and over

Table 12: Household Type

Universe: Households

Source code: P18

NHGIS code: H8C

H8C001:	Total
H8C002:	Family households
H8C003:	Family households: Husband-wife family

H8C004: Family households: Other family  
 H8C005: Family households: Other family: Male householder, no wife present  
 H8C006: Family households: Other family: Female householder, no husband present  
 H8C007: Nonfamily households  
 H8C008: Nonfamily households: Householder living alone  
 H8C009: Nonfamily households: Householder not living alone

Table 13: Household Size by Household Type by Presence of Own Children

Universe: Households

Source code: P19

NHGIS code: H8D

H8D001: Total  
 H8D002: 1-person household  
 H8D003: 1-person household: Male householder  
 H8D004: 1-person household: Female householder  
 H8D005: 2-or-more-person household  
 H8D006: 2-or-more-person household: Family households  
 H8D007: 2-or-more-person household: Family households: Husband-wife family  
 H8D008: 2-or-more-person household: Family households: Husband-wife family: With own  
 children under 18 years  
 H8D009: 2-or-more-person household: Family households: Husband-wife family: No own  
 children under 18 years  
 H8D010: 2-or-more-person household: Family households: Other family  
 H8D011: 2-or-more-person household: Family households: Other family: Male householder, no  
 wife present  
 H8D012: 2-or-more-person household: Family households: Other family: Male householder, no  
 wife present: With own children under 18 years  
 H8D013: 2-or-more-person household: Family households: Other family: Male householder, no  
 wife present: No own children under 18 years  
 H8D014: 2-or-more-person household: Family households: Other family: Female householder,  
 no husband present  
 H8D015: 2-or-more-person household: Family households: Other family: Female householder,  
 no husband present: With own children under 18 years  
 H8D016: 2-or-more-person household: Family households: Other family: Female householder,  
 no husband present: No own children under 18 years  
 H8D017: 2-or-more-person household: Nonfamily households  
 H8D018: 2-or-more-person household: Nonfamily households: Male householder  
 H8D019: 2-or-more-person household: Nonfamily households: Female householder

Table 14: Households by Presence of People Under 18 Years by Household Type by Age of People Under 18 Years

Universe: Households

Source code: P20

NHGIS code: H8E

H8E001:	Total
H8E002:	Households with one or more people under 18 years
H8E003:	Households with one or more people under 18 years: Family households
H8E004:	Households with one or more people under 18 years: Family households: Husband-wife family
H8E005:	Households with one or more people under 18 years: Family households: Husband-wife family: Under 6 years only
H8E006:	Households with one or more people under 18 years: Family households: Husband-wife family: Under 6 years and 6 to 17 years
H8E007:	Households with one or more people under 18 years: Family households: Husband-wife family: 6 to 17 years only
H8E008:	Households with one or more people under 18 years: Family households: Other family
H8E009:	Households with one or more people under 18 years: Family households: Other family: Male householder, no wife present
H8E010:	Households with one or more people under 18 years: Family households: Other family: Male householder, no wife present: Under 6 years only
H8E011:	Households with one or more people under 18 years: Family households: Other family: Male householder, no wife present: Under 6 years and 6 to 17 years
H8E012:	Households with one or more people under 18 years: Family households: Other family: Male householder, no wife present: 6 to 17 years only
H8E013:	Households with one or more people under 18 years: Family households: Other family: Female householder, no husband present
H8E014:	Households with one or more people under 18 years: Family households: Other family: Female householder, no husband present: Under 6 years only
H8E015:	Households with one or more people under 18 years: Family households: Other family: Female householder, no husband present: Under 6 years and 6 to 17 years
H8E016:	Households with one or more people under 18 years: Family households: Other family: Female householder, no husband present: 6 to 17 years only
H8E017:	Households with one or more people under 18 years: Nonfamily households
H8E018:	Households with one or more people under 18 years: Nonfamily households: Male householder

H8E019: Households with one or more people under 18 years: Nonfamily households: Male  
 householder: Under 6 years only  
 H8E020: Households with one or more people under 18 years: Nonfamily households: Male  
 householder: Under 6 years and 6 to 17 years  
 H8E021: Households with one or more people under 18 years: Nonfamily households: Male  
 householder: 6 to 17 years only  
 H8E022: Households with one or more people under 18 years: Nonfamily households: Female  
 householder  
 H8E023: Households with one or more people under 18 years: Nonfamily households: Female  
 householder: Under 6 years only  
 H8E024: Households with one or more people under 18 years: Nonfamily households: Female  
 householder: Under 6 years and 6 to 17 years  
 H8E025: Households with one or more people under 18 years: Nonfamily households: Female  
 householder: 6 to 17 years only  
 H8E026: Households with no people under 18 years  
 H8E027: Households with no people under 18 years: Family households  
 H8E028: Households with no people under 18 years: Family households: Husband-wife family  
 H8E029: Households with no people under 18 years: Family households: Other family  
 H8E030: Households with no people under 18 years: Family households: Other family: Male  
 householder, no wife present  
 H8E031: Households with no people under 18 years: Family households: Other family: Female  
 householder, no husband present  
 H8E032: Households with no people under 18 years: Nonfamily households  
 H8E033: Households with no people under 18 years: Nonfamily households: Male householder  
 H8E034: Households with no people under 18 years: Nonfamily households: Female  
 householder

Table 15: Household Type by Age of Householder

Universe: Households

Source code: P22

NHGIS code: H8G

H8G001: Total  
 H8G002: Family households  
 H8G003: Family households: Householder 15 to 24 years  
 H8G004: Family households: Householder 25 to 34 years  
 H8G005: Family households: Householder 35 to 44 years  
 H8G006: Family households: Householder 45 to 54 years  
 H8G007: Family households: Householder 55 to 59 years

H8G008: Family households: Householder 60 to 64 years  
H8G009: Family households: Householder 65 to 74 years  
H8G010: Family households: Householder 75 to 84 years  
H8G011: Family households: Householder 85 years and over  
H8G012: Nonfamily households  
H8G013: Nonfamily households: Householder 15 to 24 years  
H8G014: Nonfamily households: Householder 25 to 34 years  
H8G015: Nonfamily households: Householder 35 to 44 years  
H8G016: Nonfamily households: Householder 45 to 54 years  
H8G017: Nonfamily households: Householder 55 to 59 years  
H8G018: Nonfamily households: Householder 60 to 64 years  
H8G019: Nonfamily households: Householder 65 to 74 years  
H8G020: Nonfamily households: Householder 75 to 84 years  
H8G021: Nonfamily households: Householder 85 years and over

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Steven Manson, Jonathan Schroeder, David Van Riper, and Steven Ruggles.  
IPUMS National Historical Geographic Information System: Version 14.0  
[Database]. Minneapolis, MN: IPUMS. 2019.  
<http://doi.org/10.18128/D050.V14.0>

\* For policy briefs, online resources, or articles in the popular press, we recommend that you cite the use of NHGIS data as follows:

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