

CENSUS OF POPULATION AND HOUSING, 1980:

SUMMARY TAPE FILE 1

TECHNICAL DOCUMENTATION

Washington, D.C.

1981

NOTE: The 1980 census figures are subject to change, pending the outcome of litigation.

Counts of the population by race and Spanish origin in this file are provisional. Final counts will be determined after the sample data have been processed.

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ACKNOWLEDGMENTS

This documentation was prepared within the Data Access and Use Staff, under the direction of James P. Curry, Chief, and Barbara J. Aldrich, Chief of its Technical Information Section. Annette Ralston was the coordinator for this file assisted by Joann Sutton. It was partially adapted from materials prepared by Richard Warren and David Silver of Decennial Census Division and staff members of Data User Services Division. Support was provided through content review by staff members from Decennial Census Division, Geography Division, Housing Division, Population Division, and Statistical Methods Division.

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The files should be cited as follows:

Census of Population and Housing, 1980: Summary Tape File 1A (Name of State) [machine-readable data file] / prepared by the Bureau of the Census. --Washington : The Bureau [producer and distributor], 1981.

Census of Population and Housing, 1980: Summary Tape File 1B (Name of State) [machine-readable data file] / prepared by the Bureau of the Census. --Washington : The Bureau [producer and distributor], 1981.

Census of Population and Housing, 1980: Summary Tape File 1C [machine-readable data file] / prepared by the Bureau of the Census. --Washington : The Bureau [producer and distributor], 1981.

This technical documentation should be cited as follows:

Census of Population and Housing, 1980: Summary Tape File 1 Technical Documentation / prepared by the Data User Services Division, Bureau of the Census. --Washington : The Bureau, 1981.

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For additional information concerning the files, contact Data User Services Division, Customer Services (Tapes), Bureau of the Census, Washington, D.C. Phone: (301) 449-1600.

For additional information concerning the technical documentation, contact Data User Services Division, Data Access and Use Staff, Bureau of the Census, Washington, D.C. 20233. Phone: (301) 449-1667.

For additional information concerning the subject matter of the file, contact Population Division, (301) 763-7962, or Housing Division, (301) 763-2873, Bureau of the Census, Washington, D.C. 20233.



## USER NOTES

This section will contain information relevant to Summary Tape File 1 which becomes available after the file is released.

User Notes will be sent to all users who (1) purchased their files (or technical documentation) from the Census Bureau and (2) returned the original copy of the coupon located following the front cover of this documentation.





Census of Population and Housing, 1980:

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USER NOTE NO. 1

Attached are updated pages 18, 52, 59, 160, 162, and 164 of the STF 1 tape technical documentation. Also attached is an addendum documenting census tracts which are split by standard metropolitan statistical areas (SMSA's). The addendum should be filed with this user note between pages v and vii of the technical documentation.

Updated page 18 reflects the correction of two footnotes pertaining to figure 4 on the calculation of median values. Footnote 4 has been corrected to indicate that the code 000000056 will appear in the cell for table 31 when median rooms is over 5.5. A correction to footnote 9 indicates that the code 000000049 will appear in the cell for table 44 when median contract rent is less than \$50.

A correction to the blocked portion indicator field is shown on updated page 52. A blank indicates not applicable or the total summary for a geographic area which is partially blocked. A code of 1 indicates a summary for the blocked portion of a geographic area which is partially blocked or a total summary for a geographic area which is completely blocked.

Updated page 59 indicates a change in the codes for Standard Metropolitan Statistical Area (SMSA) Size and Urbanized Area (UA) Size. These fields contain a zero or a blank if a geographic area is not in an SMSA or a UA. These corrections were also made on pages 160, 162, and 164 of Appendix A.

An additional correction on updated page 59 indicates a code of F appears for a census designated place (CDP) of 1,000 or more, not in an urbanized area (UA) and for a CDP in a UA with a central city of 50,000 or less.



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USER NOTE NO. 2

This note applies to STF 1B only.

Table 44 (Median contract rent) located in positions 2888-2896 is incorrect and should not be used. Users who need median rent data can calculate it from the distribution in Table 43. This problem is unique to STF 1B. Table 44 on STF 1A contains the correct data.

This median can be calculated by CENSPAC users using the commands shown in the CENSPAC Report Generation Guide available without charge from Systems and Programming Branch, Data User Services Division, Bureau of the Census, Washington, D.C. 20233. For those users unfamiliar with the algorithm for calculating a median from grouped data, the following is provided:

COMPUTING A MEDIAN FROM GROUPED DATA

$$Md = \left. \right\} Md + \left( \frac{\frac{N}{2} - \sum fx}{f_{Md}} \right) i$$

- $\left. \right\} Md$  = the lower limit of the class containing the middle, or  $N/2$ th item
- $N$  = the sum of all frequencies
- $\sum fx$  = the sum of the frequencies in all classes preceding the class containing the  $N/2$ th item
- $f_{Md}$  = the frequency of the class containing the  $N/2$ th item
- $i$  = the size of the class interval containing the  $N/2$ th item

**EXAMPLE:**

**Computing Median Contract Rent From Table 43--STF 1B**

**Universe: Specified Renter-Occupied Housing Units Paying Cash Rent**

<u>Cash Rent</u>	<u>Specified Renter Occupied H.U's. (fx)</u>	<u>Cumulative Frequency</u>	<u>Cash Rent</u>	<u>Specified Renter Occupied H.U's. (fx)</u>	<u>Cumulative Frequency</u>
Less than \$50	5	5	\$170 to \$199	71	351
\$50 to \$99	15	20	\$200 to \$249	55	406
\$100 to \$119	28	48	\$250 to \$299	40	446
\$120 to \$139	42	90	\$300 to \$399	25	471
\$140 to \$149	63	153	\$400 to \$499	18	489
\$150 to \$159	59	212	\$500 or more	0	489
\$160 to \$169	68	280	No cash rent	2	

**Note:** The "No cash rent" class is not used as it falls outside the universe.

The N/2th, or "middle" housing unit falls within the class interval \$160 to \$169.

$$\text{Median} = \$160 + \left( \frac{\frac{489}{2} - 212}{68} \right) 10$$

$$\text{Median} = \$160 + ( .478 ) 10$$

$$\text{Median} = \$164.78, \text{ or rounded - } \$165$$



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User Note No. 3

The following codes are available on STF 1 to assist users in identifying political/statistical areas below the State level. These codes are located in position 29.

<u>Code</u>	<u>Political/Statistical Area Description</u>
A	County
B	Borough
C	City
D	District
E	Consolidated government
F	Census county division
G	Gore
H	Independent city
I	Indian reservation
J	Unorganized territory
K	Parish
L	Plantation
M	Location
N	(None)
P	Precinct
Q	Quadrant
R	Purchase
S	Township
T	Town
U	Census designated place
V	Village
W	Ward
X	Grant
Y	Census area
Z	Census subarea
1	Island
2	Census subdistrict
3	Municipio
4	Barrio
5	Ciudad
6	Pueblo
7	Aldea
8	Zona urbana
9	Municipality

Revised page 53 is attached and is to be inserted in the technical documentation.



Census of Population and Housing, 1980:

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USER NOTE NO. 4

This note applies to STF 1C only.

There is an error in Table 35 (Persons per unit) on the records containing summaries for large geographic areas. Summary levels affected include 01 (United States), 02 (Regions) and Divisions 2, 3, and 5 of summary level 03 (Divisions).

Users who need the count of persons per unit for any of the above areas may calculate it by the method shown below:

Total persons in occupied housing units (Table 36, Cell 1)  
Total occupied housing units (Table 26, Cell 1)

ADDENDUM TO  
Census of Population and Housing, 1980:  
Summary Tape File 1  
User Note No. 1

Subject: Tracts Split by Standard Metropolitan Statistical Areas  
(SMSA's)

There are currently two instances in New England in which a tract is split by an SMSA because some of its minor civil divisions (MCD's) are inside an SMSA and some are not. This occurs because it was not known at the time the tracts were established which MCD's would be included within new SMSA's. The two instances are listed below.

- Maine - Tract 0090 in Penobscot County (019) has two MCD's which are in the Bangor SMSA and one which is outside the SMSA.
- Vermont - Tract 0035 in Chittenden County (007) has three MCD's which are in the Burlington SMSA and two which are outside the SMSA.