

by Timothy S. Grall

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OUR NATION'S HOUSING IN 1993

INTRODUCTION

Housing is one of our primary needs. For this reason, analysts study our Nation's housing closely. This report summarizes data from the 1993 American Housing Survey (AHS) and is an update to the report Our Nation's Housing in 1991. This report examines the demographic, economic, and physical housing characteristics of the 1993 national housing stock.

In the analysis and accompanying tables and charts, we note important similarities and differences evident within the Nation's housing. The data are presented separately, by tenure, since the housing conditions for homeowners and renters are often very different.

This report is based on data collected from the AHS for the United States in 1993. The Bureau of the Census conducts this biennial national sample survey of approximately 50,000 housing units in the United States for the Department of Housing and Urban Development. The interviews are conducted from July through December of the survey year. The first AHS survey in 1973 was called the Annual Housing Survey. After 1983, its name was changed to the American Housing Survey; it has since been conducted every other year in odd-numbered years. See Current Housing Report Series H150/93 for crosstabulations of the extensive data collected from the AHS. Appendixes in that report also include the latest detailed survey sample design specifications and estimation procedures used for the AHS.

Our Nation's Housing in 1993 is divided into three chapters. The first chapter provides an overview of the current housing inventory. The second chapter focuses on selected physical and financial characteristics of owner-occupied units. The final chapter provides similar information for renter-occupied units.

HIGHLIGHTS

Housing Inventory

- The housing inventory in 1993 consisted of 106.6 million units, an increase of 2 million units since 1991.
- Vacant units accounted for about 11 ±0.3 percent of housing in our country.

¹For summary AHS data from 1991, see *Our Nation's Housing in 1991*, Series H121/93-2.

 The typical year-round vacant housing unit was only slightly older than the average occupied unit but was considerably smaller.

Characteristics for Owner-Occupied Housing Units

- Of the 94.7 million occupied units in the United States,
 61.3 million (65 ±0.5 percent) were owner-occupied.
- Men living alone have a lower homeownership rate than women, yet, among single parents, single mothers were far less likely than single fathers to be homeowners.
- Owner-occupied homes were most likely to be singlefamily homes, with a median age of 27 years, six rooms including three bedrooms, and 1,800 square feet of living area.
- About 86 ±0.4 percent of homeowners had the amenities of a clothes washer and dryer, telephone, and private transportation. Only about 5 ±0.3 percent of owners reported that their homes had physical problems, but 64 ±0.6 percent noted problems with their neighborhood.
- Median income for owners was \$36,485 ±471 in 1993, with 9 ±0.3 percent categorized as low-income households.
- Homeowners with a mortgaged home spent a median of about \$800 each month for housing, or 22 percent of their income. Owners living in homes already paid off spent less than a third as much, or \$240 per month, consuming 14 percent of their income.
- The median value of owner-occupied housing was about \$86,500, and annual property taxes amounted to some \$950.

Characteristics for Renter-Occupied Housing Units

 For renters, the typical home was an apartment with four median rooms, including two bedrooms, in a building 29 years old.

- Only about one-third of renters (35 percent) had all the conveniences of a telephone and washer and dryer in their unit.
- Renters evaluated their homes and neighborhoods less favorably than homeowners. Higher proportions of renters also cited crime and noise as neighborhood problems.
- The median income for renters was \$19,000, and onequarter of all renters were low-income households.
- The median monthly housing cost for renters was \$487.
 The typical renter allocated about 29 percent of family income for rent and utilities.

Chapter 1. Housing Inventory Overview

There were 106.6 million housing units in 1993, 2 million more units than in 1991.

Most (76 percent) of our housing was located inside Metropolitan Statistical Areas (MSA's); 45 percent of homes were in the suburbs, and 31 percent were located in central cities of MSA's.² Roughly one-quarter of all U.S. housing (24 percent) was located in areas outside of MSA's (see table 1).

The largest proportion (36 percent) of the Nation's housing was in the South. The next largest segment was in the Midwest where approximately one-quarter (24 percent) of all U.S. housing was located. The remaining housing was nearly evenly split between the West (21 percent) and the Northeast (20 percent).

There were 94.7 million occupied units and about 12 million vacant units. The latter included 8.8 million vacant units intended for year-round use and 3.1 million seasonal vacants — those intended to be occupied only part of the year in 1993 (see figure 1).

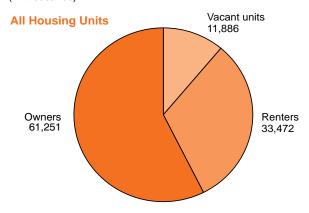
About 30 percent of all year-round vacant units were for rent — not significantly different from the proportion that were for occasional use or for use by a householder who usually resides elsewhere (usual residence elsewhere (URE)).³ Approximately 20 percent were for sale or already rented or sold, while the remaining were other types of vacant units. These other vacant types include those held for settlement of an estate, occupied by a caretaker or janitor, or held for personal reasons of the owner (see table 2).

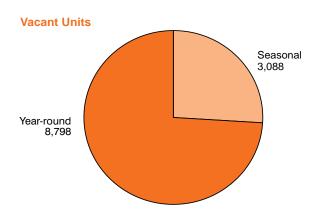
Most seasonal vacant units were located outside MSA's (66 percent), and only 5 percent were in central cities of MSA's. Year-round vacant units were more concentrated in MSA's (72 percent), with a fairly even mix between central cities and suburbs.

The typical year-round vacant housing unit was 29 years old and had 1,300 median square feet of living space with over four rooms, including two bedrooms.

Figure 1.

Occupancy of U.S. Housing Units: 1993
(In thousands)





About one-half (47 percent) of the 8.8 million year-round vacant units were in single-unit structures. This included 40 percent that were single-family detached units and 7 percent that were single attached units. The proportion that multi-unit structures represented among year-round vacant units (44 percent) was not significantly different from the proportion of single-family homes. The remainder, or 9 percent, consisted of vacant mobile homes or trailers. Most vacant units that were only for sale were single-unit structures (78 percent). About 10 percent of all year-round vacant units were cooperatives or condominiums, which could be any structure type (table 2).

Year-round vacant units had a median age of 29 years, not statistically different from the age of all occupied units that had a median age of 28 years (table 4). Vacant units

²See appendix A of Current Housing Report, *American Housing Survey for the United States*, Series H150, for a specific and complete discussion of many of the terms and definitions used throughout this report.

³Vacant units in this category include those held for occasional use such as occupancy for weekends throughout the year. The intent of the survey question is to identify homes reserved by their owners as second homes. Because of the difficulty in distinguishing between this category and seasonal vacancies, it is possible that some second homes are classified as seasonal and vice versa.

classified for occasional use/URE were the newest type of vacant unit, but they did not differ significantly in age from vacant units already rented or sold and awaiting occupancy.

There were 4.4 rooms and 2.0 bedrooms among all year-round vacant housing units. Occupied units were generally larger, with medians of 5.5 rooms and 2.7 bedrooms. Vacant units on the housing market that were for sale only were not statistically different from occupied units and had more rooms than any other type of vacant unit (5.4 median rooms). Units for rent had the fewest number of median rooms (3.9).

The median living area of vacant single-family and mobile homes was 1,286 square feet. Again, units that were occupied had more living area, with 1,725 median square feet. Vacant units that were rented or sold awaiting occupancy or for sale only had the most living space among vacants (approximately 1,600 square feet) and did not differ significantly from the square footage of all occupied units. Year-round vacant units that were sold and awaiting occupancy had a median value of \$86,906 — not statistically different from the median value of all occupied units.

Chapter 2.

Characteristics for Owner-Occupied Housing Units

Only about one-third of single mothers owned their home, while the rate for married couples with children was 76 percent.

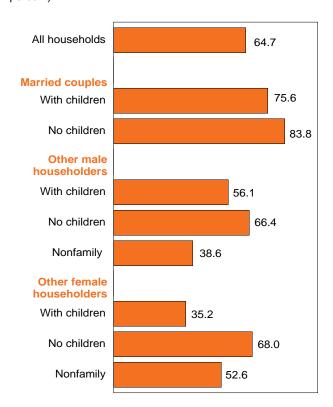
Among the various household types, married couples by far have the greatest opportunity to own their home, as is demonstrated by their homeownership rate of 80 percent. The homeownership rates for all other types of households were considerably lower. Households maintained by men without a wife had a homeownership rate of 45 percent. For households maintained by women without a husband, homeownership was somewhat more common at 50 percent (table 6).

The higher homeownership rate among women without a spouse, in comparison with men without a spouse, is a result of the higher propensity for nonfamily female householders to be owners. (The composition of nonfamily households can be either a single person living alone or two or more unrelated persons.) Among nonfamily households maintained by men, the homeownership rate was 39 percent. Men living alone had a homeownership rate of 41 percent, while 31 percent of those in two-or-more person households were homeowners. Among women in nonfamily households, the homeownership rate was 53 percent. About 55 percent of women living alone owned their home, while those in two-or-more person nonfamily households had a homeownership rate of 35 percent.

For family households, specifically those with children, single mothers have a much lower homeownership rate than single fathers. Among single fathers, 56 percent owned their own home, and just 35 percent of single mothers were homeowners (figure 2). The proportion of married couples with children who owned their home was considerably higher than either of these household types (76 percent).

Approximately two-thirds (69 percent) of White house-holders were owners, while only about 43 percent of Black householders owned their homes (table 7). Among Asian and Pacific Islander households, as well as those maintained by American Indian, Eskimo, and Aleut householders, the homeownership rate was about 52 percent. Apart from race, about 4 out of every 10 (42 percent) Hispanic

Figure 2. Homeownership Rates, by Household Type: 1993 (In percent)



householders⁴ owned their homes, while approximately two-thirds (66 percent) of their non-Hispanic counterparts were homeowners.⁵

⁴Classification of race and Hispanic (Spanish) origin in the AHS publications refers to the race and Hispanic origin of the householder occupying the unit. Information pertaining to race and ethnicity are asked of all persons and collected through separate questions in the AHS. Householders of Hispanic origin may be of any race.

The information on Hispanic households shown in this report was collected in the 50 states and the District of Columbia and, therefore, does not include households in Puerto Rico.

⁵The number of single fathers who own their home (56 percent) and the number of women who live alone (55 percent) are not statistically different. The homeownership rates between Black (43 percent) and Hispanic (42 percent) households do not differ significantly enough to be classified as different.

The typical owner-occupied home was single-family, about 27 years in age, had six rooms, including three bedrooms, with 1,800 square feet of living space.

Most (82 percent) of the 61.3 million homeowners in the United States lived in detached single-family homes. About 5 percent resided in single unit, attached structures such as townhomes and rowhouses, while 6 percent owned housing in structures of two or more units. Approximately 7 percent of owner households resided in mobile homes or trailers (table 4). Regardless of structure type, about 5 percent of all owner-occupied units were cooperatives or condominiums.

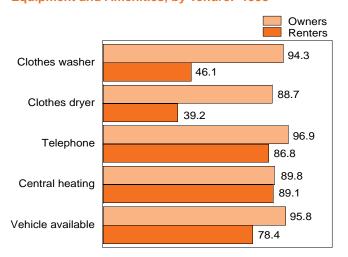
The median age of owner-occupied housing was 27 years, meaning one-half were built before 1966, and the other half were built after that year. About 7 percent were the most newly constructed units — built between 1989 and 1993.

Owner-occupied homes have a median of 6.1 rooms, with 3.0 bedrooms. About two-thirds of these homes had more than one bathroom, while the remainder had a single bath. Of those homes that were single family or mobile, there was a median of 1,805 square feet of living space, amounting to some 723 square feet for every person in the household. Just 1 percent of owners maintained households that were crowded, that is, had more than one person per room.

Most owners had homes well equipped with amenities such as a clothes washer and dryer, telephone, or available private transportation. Few owners reported problems with their homes; however, most noted some problems with their neighborhood.

The large majority or 99 percent of homeowners had complete kitchen facilities. About 94 percent had a clothes washer in their home, while 89 percent had a clothes dryer. Approximately 97 percent had a telephone available, and 86 percent had all the above selected conveniences (table 4) (figure 3).

Figure 3.
Percent of Households With Selected
Equipment and Amenities, by Tenure: 1993



Most (96 percent) homeowners had a car, truck, or van available for transportation. About 62 percent had a single vehicle, while approximately one-third had more than one vehicle available (table 4).

Only about 5 percent of all homeowners experienced physical problems with their homes. This included 3 percent with moderate problems and 2 percent with severe physical housing problems.⁶ Among owners with hot and cold piped water, 4 percent experienced stoppage in the 3 months before the survey interview. For those with flush toilets, the same percentage had a breakdown during the same time period.

Piped or bottled gas is the heating fuel of choice for most homeowners.

About 90 percent of owner-occupied homes in our Nation have central heat (table 8). Among the 10 percent without central heating equipment, about half were heated by coal, coke, or wood.

For those with central heat, most used piped or bottled gas (61 percent). About 25 percent utilized electricity, 13 percent depended on fuel oil or kerosene, and 1 percent relied on some other means, such as coal, coke, or wood or none.⁷

In central cities of MSA's, a larger proportion of owners used gas to heat their homes (70 percent) than in the suburbs (56 percent). Both electricity (25 percent) and fuel oil or kerosene (14 percent) were more widely utilized in the suburbs than in central cities (19 and 8 percent, respectively).

On a scale of 1 to 10, with 10 being the best, survey respondents were asked to provide a ranking of their home as a structure in which to live. About 82 percent in owner-occupied units rated their home highly, providing scores of either 8, 9, or 10 (figure 4). Approximately 41 percent categorized their home with the highest mark or a perfect '10' (table 9).

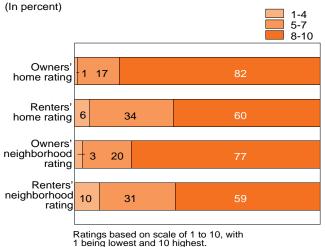
Respondents were also asked to rank their neighborhood. Homeowners were somewhat less satisfied with their surroundings, as 77 percent of homeowners provided high ratings (figure 4) for their neighborhood. About 38 percent were completely satisfied, giving the highest possible ranking of 10.

Of the 60.7 million homeowners who lived in neighborhoods, 64 percent responded that there were problems with their neighborhoods. A variety of problems were identified, and some respondents listed more than one problem. About 11 percent thought people in their neighborhood were a problem, 7 percent expressed concern for

⁶Severe physical problems include specific critical problems in one or more of the following areas: plumbing, heating, electricity, upkeep, or hallways. Moderate problems include any of the less extensive problems including: plumbing, heating, upkeep, hallways, or kitchen. See appendix A in H150/93, *American Housing Survey for the United States in 1993*, for detailed descriptions about requirements for physical problems.

⁷Central main heating systems include units with a warm-air furnace, steam or hot water system, electric heat pump, built-in electric units, and floor, wall, or other built-in hot air units without heating ducts.





traffic, 6 percent were bothered by the surrounding noise, 5 percent mentioned litter or deterioration, and a similar proportion stated crime as a problem. About 1 percent each listed poor city or county services and undesirable commercial, institutional, or industrial areas. Approximately 11 percent thought problems came from some other source.

Homeowners had a median income of about \$36,500, and 9 percent of owners maintained low-income households.

The median gross income of families or primary individuals who owned their homes was \$36,485 in 1993. About 5.4 million of the 61.3 million homeowners maintained low-income households that were below the household poverty level (table 5).8

About 56 percent of owners received dividend or interest income, and 36 percent obtained Social Security or pension benefits. About 3 percent each received welfare or SSI payments and food stamps.⁹ Alimony or child support was

a means of income for 4 percent of homeowners, and 10 percent obtained unemployment benefits or had other income as a source.

Homeowners with a mortgage ended up spending 63 percent more of their income for housing costs than those people with homes paid off.

Of those 55.7 million owners who reported housing costs, the median spent each month for their housing was \$511. This amount varied, however, and was highly dependent on whether the home was mortgaged or owned free and clear. Over one-half (57 percent) were mortgaged units, and the median monthly housing cost was \$799. For those homeowners who did not have a mortgage to pay, the amount spent each month for housing amounted to some \$242 (table 5).10

Typically, homeowners spent about 19 percent of their family income for costs associated with housing. As with housing costs, this level varies depending on mortgage status. For homeowners with one or more mortgages on their home, the median monthly housing cost as a proportion of income was 22 percent. Among owners who have homes that were already paid for, approximately 14 percent of income was spent on housing expenditures other than a mortgage.

Owner-occupied housing had a median value of about \$86,500. Median annual property taxes were much higher for mortgaged units (\$1,100) than for homes without a mortgage (\$700).

Among all owners, the median value was \$86,530 (table 5). The median amount of property tax paid in the year prior to interview was \$945 (table 11). Taxes paid for mortgaged units was \$1,100 — 57 percent higher than property taxes among nonmortgaged units (\$699).

Approximately 89 percent of mortgaged homes had one mortgage, while 11 percent had two, three, or more mortgages. About 10 percent of homes mortgaged in the Midwest and South had more than one mortgage. Second (or more) mortgages were more commonly found in the Northeast and West. In these respective regions, about 13 percent of homes had multiple mortgages (table 10).

The most common type of primary mortgage was a fixed rate mortgage. This was the payment plan of choice for 84 percent of owners with a mortgaged home who reported their mortgage type. About 11 percent of homeowners with a mortgage chose an adjustable rate or adjustable term for their mortgage, while 4 percent had graduated, balloon, or some other mortgage type.

⁸Low-income households estimate households in poverty and differ from official estimates of poverty based on data collected by the Current Population Survey (CPS). The AHS's poverty definition is based on household income. Questions asked about income are less detailed than those asked in the CPS, whose poverty estimates are based on income of the family or income of each unrelated individual. See appendix A in Current Housing Report Series H150/93 for a more detailed discussion about how these two approaches differ. Because of the AHS's variations from the official poverty definition, data from the AHS will be discussed in terms of households with low income rather than the number of poor households, or households in poverty.

^{9&}quot;Food stamp recipiency" was asked only for families or primary individuals with incomes of \$25,000 or less. Income source data is limited only to the householder and related household members 14 years of age and older.

¹⁰Monthly housing costs for homeowners include monthly payments for mortgages or installment loans and contracts, if any, and real estate taxes, property insurance, homeowners association fees, cooperative or condominium fees, mobile home park fees, land rent, utilities, fuels, and garbage and trash collection.

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Chapter 3.

Characteristics for Renter-Occupied Housing Units

The typical rented home had a median age of 29 years, with four rooms, including two bedrooms.

About 64 percent of the 33.5 million renter households in the United States lived in multi-unit structures, with 9 percent living in very large apartment complexes of 50 or more units. About one-quarter rented detached single-family homes, 8 percent rented one-unit attached homes, and 4 percent rented mobile homes or trailers (table 4).

One-half of all renter-occupied units were built before 1964, and half were built after that year. Just 3 percent of the renter-occupied housing stock was constructed within the past 4 years.

There was a median of only 4.2 rooms and 1.9 bedrooms in all renter-occupied housing. Additionally, about 5 percent of renters lived in homes that were considered crowded, with more than one person per room. About 26 percent had more than one bathroom, while 1 percent were without any bathrooms physically located in their unit.

Although close to all renter-occupied units contained complete kitchen facilities, only about one-third also had conveniences of a washer, dryer, and telephone.

Approximately 98 percent of renters had complete kitchen facilities in their homes. About 46 had the convenience of clothes washers, and 39 percent had dryers in their units. Although 87 percent of renters had a telephone available, just 35 percent had all the above amenities (table 4) (figure 3).

The large majority (78 percent) of renters had their own private transportation available in the form of a car, truck, or van, including 19 percent with more than one vehicle (table 4). However, 22 percent of renters were without any personal vehicle and had to rely upon public services or some other means of transportation.

About 10 percent of renters reported physical housing problems. While the majority, or 7 percent, of these renters had moderate physical problems, 3 percent lived with severe problems. For those renters with hot and cold piped water, about 6 percent experienced a stoppage in the 3 months before the interview. For those with at least one flush toilet, about 7 percent experienced a breakdown in the 3 months prior to the interview.

The large majority (89 percent) of renters had central heating systems. About one-half of renters employed piped or bottled gas as the primary means of heating their homes. Another 33 percent used electricity, 13 percent utilized fuel oil or kerosene, and 5 percent utilized some other fuel or no fuel at all (table 8).

There were minor differences in the types of heating fuel used by renters in different metropolitan situations. For those in central cities of MSA's, 51 percent used gas, 30 percent used electricity, 15 percent used oil, and 4 percent used some other type of fuel or none at all. In suburbs, a somewhat lower percentage used gas (47 percent), a higher proportion used electricity (37 percent), 11 percent used oil, and 5 percent used another type of fuel or none at all. Among renters outside of metropolitan areas, 49 percent used gas, 30 percent used electricity, and 11 percent each used fuel oil or some other means or did not use any type of heating fuel.¹¹

The opinions renters expressed concerning their homes and neighborhoods were generally lower than those expressed by homeowners. Higher proportions of renters felt that crime and noise were a problem.

About 60 percent of renters rated their home highly, giving it one of the three highest rankings (figure 4). About 22 percent were completely satisfied with the home which they were renting, providing the highest score (table 9).

Similarly, 59 percent of renters also gave their neighborhoods high marks. About 26 percent ranked their neighborhood with the best possible rating. Of the 33.2 million renters who lived in neighborhoods, 42 percent were not bothered by any problems. For those who did express a concern, the one most often cited was people (16 percent). About 12 percent of renters thought crime was a problem, while an equal proportion were troubled by noise. Approximately 8 percent chose traffic, 4 percent chose litter or housing deterioration, and 1 percent cited poor city or county services, and undesirable commercial, institutional, or industrial areas. About 9 percent were bothered by other factors.

¹¹Not statistically different are the proportions of renters in central cities (51 percent) and outside MSA's (49 percent) that use gas for heat. The proportion of renters in suburbs that use gas (47 percent) does not differ significantly from the percentage of renters outside MSA's using this heating fuel.

The median family income among renters was about \$19,000, or about one-half of that of homeowners. Approximately one-quarter of all renters were low-income households.

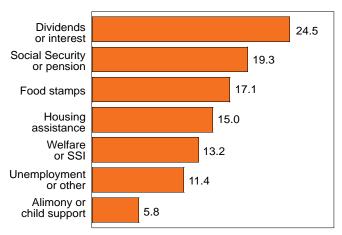
The median annual income of renters was \$18,957 in 1993. Income levels were generally higher inside MSA's, particularly suburbs, than outside of these areas. For renters residing in central cities, the median income was \$17,152. Among those in suburbs of MSA's, income was 35 percent higher or \$23,173. Renters living outside MSA's had the lowest level of income, or a median of \$14,886. For all renters together, about 8.4 million or 25 percent were low-income, with levels below the household poverty level (table 5).

About 19 percent of renters reported Social Security or pension payments and 25 percent listed dividends or interest as an income source. Approximately 17 percent of renters received food stamps, and 13 percent received welfare or SSI payments. About 15 percent of all renter households lived in public housing or received a Federal or State financial rent subsidy; or reported that their rent was set as a specified proportion of their income. Approximately 6 percent of households that rented their homes obtained alimony or child support, and 11 percent received unemployment or another type of income source (figure 5).

Renters spent close to \$500 each month for rent and utilities; however, this consumed 29 percent of the family income.

The median monthly housing cost for renters was \$487. Although this was comparatively lower than that for owners with a mortgaged home, renters ended up paying a much

Figure 5.
Percent of Renters With Selected
Income Sources and Benefits, by Tenure: 1993



Housing assistance includes renters who lived in public housing, received a subsidy, or had their rent set.

larger proportion of their income for housing, because of their lower incomes. The median monthly housing cost as a proportion of income for renters was 29 percent (table 5).¹²

¹²Monthly housing costs for renters are calculated only for units occupied for payment of cash rent and include contract rent plus the estimated average monthly cost of utilities, fuels, property insurance, mobile home land rent, and garbage and trash collection paid by the renter

Table 1. Summary of General Characteristics, by Geography: 1993

			Year-round Year-round												
								Occupied							
Characteristic					Total			Owner			Renter				
	Total housing units	Seasonal vacant	Total	Total	With 1.01 or more persons per room	With low income	Total	With 1.01 or more persons per room	With low income	Total	With 1.01 or more persons per room	With low income	Vacant	New construc- tion - 4 years	Mobile homes
Total	106,611	3,088	103,522	94,724	2,386	13,787	61,251	883	5,386	33,472	1,503	8,400	8,798	5,605	7,072
METROPOLITAN- NONMETROPOLITAN RESIDENCE															
Total	106,611	3,088	103,522	94,724	2,386	13,787	61,251	883	5,386	33,472	1,503	8,400	8,798	5,605	7,072
Inside MSA's	81,293 33,140 48,153 25,318	1,036 165 871 2,052	80,257 32,975 47,281 23,266	73,898 29,838 44,060 20,826	2,052 1,167 885 335	10,222 5,736 4,486 3,565	46,081 14,644 31,438 15,170	712 301 411 171	3,606 1,415 2,191 1,780	27,817 15,194 12,623 5,656	1,339 866 474 164	6,615 4,321 2,295 1,785	6,359 3,137 3,221 2,440	4,204 907 3,297 1,401	3,559 389 3,170 3,512
Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Inside MSA's	76.3 31.1 45.2 23.7	33.6 5.3 28.2 66.4	77.5 31.9 45.7 22.5	78.0 31.5 46.5 22.0	86.0 48.9 37.1 14.0	74.1 41.6 32.5 25.9	75.2 23.9 51.3 24.8	80.7 34.1 46.6 19.3	67.0 26.3 40.7 33.0	83.1 45.4 37.7 16.9	89.1 57.6 31.5 10.9	78.8 51.4 27.3 21.2	72.3 35.7 36.6 27.7	75.0 16.2 58.8 25.0	50.3 5.5 44.8 49.7
REGIONS															
Total	106,611	3,088	103,522	94,724	2,386	13,787	61,251	883	5,386	33,472	1,503	8,400	8,798	5,605	7,072
Northeast	21,157 25,480 37,886 22,088	811 725 1,092 460	20,346 24,755 36,793 21,628	18,906 23,031 32,936 19,851	387 374 703 922	2,569 3,256 5,551 2,410	11,751 15,617 21,840 12,043	94 189 304 297	820 1,250 2,480 837	7,155 7,415 11,096 7,807	293 185 400 625	1,749 2,007 3,071 1,573	1,440 1,724 3,857 1,777	610 1,214 2,368 1,412	647 1,338 3,603 1,483
Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
NortheastMidwestSouthWest	19.8 23.9 35.5 20.7	26.3 23.5 35.4 14.9	19.7 23.9 35.5 20.9	20.0 24.3 34.8 21.0	16.2 15.7 29.5 38.7	18.6 23.6 40.3 17.5	19.2 25.5 35.7 19.7	10.6 21.4 34.4 33.7	15.2 23.2 46.0 15.5	21.4 22.2 33.1 23.3	19.5 12.3 26.6 41.6	20.8 23.9 36.6 18.7	16.4 19.6 43.8 20.2	10.9 21.7 42.3 25.2	9.2 18.9 51.0 21.0
URBANIZED AREAS															
Total	106,611	3,088	103,522	94,724	2,386	13,787	61,251	883	5,386	33,472	1,503	8,400	8,798	5,605	7,072
Inside urbanized areas Outside urbanized areas Other urban	63,355 43,256 12,672 30,585	491 2,597 284 2,313	62,863 40,659 12,387 28,272	57,837 36,887 11,253 25,633	1,762 624 237 387	8,473 5,314 1,886 3,428	33,534 27,718 7,133 20,585	538 345 115 230	2,586 2,801 653 2,148	24,303 9,169 4,120 5,049	1,224 279 122 157	5,887 2,513 1,233 1,280	5,026 3,773 1,134 2,638	2,438 3,167 588 2,579	1,427 5,645 653 4,992
Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Inside urbanized areas Outside urbanized areas Other urban	59.4 40.6 11.9 28.7	15.9 84.1 9.2 74.9	60.7 39.3 12.0 27.3	61.1 38.9 11.9 27.1	73.8 26.2 9.9 16.2	61.5 38.5 13.7 24.9	54.7 45.3 11.6 33.6	60.9 39.1 13.0 26.1	48.0 52.0 12.1 39.9	72.6 27.4 12.3 15.1	81.4 18.6 8.1 10.5	70.1 29.9 14.7 15.2	57.1 42.9 12.9 30.0	43.5 56.5 10.5 46.0	20.2 79.8 9.2 70.6

Table 2. Selected Characteristics of Year-Round Vacant Units: 1993

Characteristic	Total	For rent	For sale only	Rented or sold	Occasional use/URE	Other vacant
All Year-Round Vacant Units	8,798	2,651	889	882	2,506	1,870
Units in Structure						
Percent	100.0	100.0	100.0	100.0	100.0	100.0
1 unit, detached. 1 unit, attached. 2 to 4 units. 5 to 49 units. 50 units or more. Mobile home or trailer.	40.4 6.7 15.1 23.0 6.3 8.6	14.6 7.4 24.1 41.7 8.2 4.1	70.2 7.9 6.7 5.4 2.1 7.8	44.9 6.4 14.0 24.3 4.8 5.7	44.4 6.4 9.2 19.3 8.7 12.0	55.4 5.8 14.8 9.0 2.9 12.1
Cooperative or condominium	10.3	4.5	12.6	10.3	20.2	4.2
Year Structure Built						
Median age in yearsStandard error	28.5 0.7	29.4 1.2	26.2 2.2	22.5 1.8	21.3 0.7	44.0 1.6
Rooms in Unit						
Median rooms	4.4 0.03	3.9 0.05	5.4 0.12	4.8 0.14	4.4 0.06	4.5 0.08
Bedrooms						
Median bedrooms	2.0 0.02	1.7 0.04	2.7 0.07	2.3 0.08	2.1 0.04	2.1 0.05
Square Footage of Unit						
Single detached and mobile homes	3,692 1,286 29	418 1,008 71	633 1,590 87	391 1,624 97	1,153 1,241 51	1,097 1,152 54
Duration of Vacancy						
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Less than 1 month 1 month up to 6 months. 6 months up to 1 year 1 year up to 2 years 2 years or more. Never occupied as permanent home. Don't know Vacant seasonal/URE.	22.4 23.3 7.8 6.5 17.7 4.0 8.8 9.5	37.0 32.7 7.5 5.5 8.6 1.2 7.5 (X)	11.1 29.5 14.0 10.1 16.8 8.8 9.8 (X)	32.7 30.4 6.7 8.1 8.0 8.1 6.0 (X)	17.8 12.5 4.9 3.2 13.2 4.4 10.7 33.2	8.2 18.3 9.6 10.0 41.6 3.4 8.8 (X)
Value, by Region						
United States	1352 \$79,786 \$4,446	(X) (X) (X)	885 \$77,217 \$4,687	467 \$86,906 \$8,922	(X) (X) (X)	(X) (X) (X)
Northeast. Median. Standard error	242 \$107,328 \$16,385	(X) (X) (X)	153 \$94,977 \$12,221	90 \$138,113 \$21,725	(X) (X) (X)	(X) (X) (X)
Midwest	273 \$48,237 \$5,166	(X) (X) (X)	176 \$48,226 \$6,764	97 \$48,259 \$10,707	(X) (X) (X)	(X) (X) (X)
South	549 \$68,150 \$6,130	(X) (X) (X)	372 \$66,051 \$7,054	177 \$72,883 \$11,111	(X) (X) (X)	(X) (X) (X)
West	289 \$117,863 \$11,423	(X) (X) (X)	185 \$117,918 \$17,880	104 \$117,813 \$14,674	(X) (X) (X)	(X) (X) (X)

X Not applicable.

Table 3. Selected Social Characteristics of Householders, by Tenure and Household Type: 1993

	All occupied units				C	Owner-occ	upied unit	s	ı	Renter-occ	cupied unit	is
Characteristic		Ho	usehold ty	ре		Но	usehold ty	/pe		Но	usehold ty	/ре
	Total	Married couples	Other male	Other female	Total	Married couples	Other male	Other female	Total	Married couples	Other male	Other female
Total	94,724	50,085	16,855	27,784	61,251	39,990	7,504	13,757	33,472	10,095	9,351	14,027
Household Size												
Median persons	2.3 0.01	3.0 0.02	1.4 0.01	1.5 0.02	2.4 0.01	2.9 0.02	1.5 0.02	1.4 0.01	2.0 0.02	3.1 0.04	1.3 0.02	1.8 0.03
Marital Status of Householder												
Total	94,724 51,148 11,372 17,170 15,033	50,085 50,085 - - -	16,855 574 2,002 6,572 7,706	27,784 489 9,370 10,598 7,327	61,251 40,620 8,094 8,110 4,426	39,990 39,990 - - -	7,504 352 1,480 3,201 2,471	13,757 278 6,614 4,909 1,956	33,472 10,527 3,278 9,060 10,607	10,095 10,095 - -	9,351 222 522 3,371 5,235	14,027 210 2,756 5,689 5,372
Percent Married Widowed Divorced or separated Never-married	100.0 54.0 12.0 18.1 15.9	100.0 100.0 - -	100.0 3.4 11.9 39.0 45.7	100.0 1.8 33.7 38.1 26.4	100.0 66.3 13.2 13.2 7.2	100.0 100.0 - -	100.0 4.7 19.7 42.7 32.9	100.0 2.0 48.1 35.7 14.2	100.0 31.5 9.8 27.1 31.7	100.0 100.0 - -	100.0 2.4 5.6 36.0 56.0	100.0 1.5 19.6 40.6 38.3
Educational Attainment of Householder												
Total Less than 12 years High school graduate 1 to 3 years of college 4 or more years of college	94,724 18,207 33,751 18,955 23,812	50,085 8,227 17,913 9,728 14,216	16,855 3,096 5,533 3,653 4,573	27,784 6,884 10,304 5,574 5,023	61,251 10,665 21,828 12,019 16,740	39,990 6,073 14,056 7,800 12,061	7,504 1,396 2,476 1,502 2,131	13,757 3,196 5,296 2,718 2,548	33,472 7,542 11,923 6,935 7,072	10,095 2,154 3,857 1,928 2,155	9,351 1,700 3,058 2,151 2,442	14,027 3,688 5,008 2,856 2,475
Percent Less than 12 years High school graduate 1 to 3 years of college 4 or more years of college	100.0 19.2 35.6 20.0 25.1	100.0 16.4 35.8 19.4 28.4	100.0 18.4 32.8 21.7 27.1	100.0 24.8 37.1 20.1 18.1	100.0 17.4 35.6 19.6 27.3	100.0 15.2 35.1 19.5 30.2	100.0 18.6 33.0 20.0 28.4	100.0 23.2 38.5 19.8 18.5	100.0 22.5 35.6 20.7 21.1	100.0 21.3 38.2 19.1 21.3	100.0 18.2 32.7 23.0 26.1	100.0 26.3 35.7 20.4 17.6
Household Moves												
Total units where householder moved in last year	16,102	6,438	4,315	5,349	4,578	2,975	774	829	11,524	3,463	3,541	4,520
Percent of total	17.0	12.9	25.6	19.3	7.5	7.4	10.3	6.0	34.4	34.3	37.9	32.2

⁻ Represents zero or rounds to zero.

Table 4. Selected Physical Characteristics of Occupied Units, by Tenure and Household Type: 1993

		All occup	ied units		(Owner-occ	upied units	5	I	Renter-occ	upied unit	s
Characteristic		Но	usehold ty	ре		Но	usehold ty	ре		Но	usehold ty	/pe
	Total	Married couples	Other male	Other female	Total	Married couples	Other male	Other female	Total	Married couples	Other male	Other female
Total	94,724	50,085	16,855	27,784	61,251	39,990	7,504	13,757	33,472	10,095	9,351	14,027
Units in Structure												
Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1 unit, detached	62.2 5.7 9.8 12.7 3.6 6.0	76.9 4.4 5.8 5.7 1.4 5.9	44.1 6.4 14.4 22.8 5.8 6.5	46.7 7.5 14.2 19.4 6.4 5.8	82.4 4.6 2.9 1.8 0.9 7.3	86.6 3.5 2.2 1.0 0.5 6.3	74.7 6.6 4.4 2.9 1.6 9.8	74.6 6.9 4.1 3.5 1.9 9.0	25.2 7.6 22.4 32.8 8.5 3.5	38.4 8.1 20.3 24.1 4.8 4.3	19.6 6.2 22.4 38.8 9.1 3.9	19.4 8.2 24.0 35.0 10.8 2.6
Cooperatives and Condominiums												
Percent cooperative or condominium. Year Structure Built	4.6	3.2	5.7	6.5	4.8	3.0	7.5	8.5	4.2	3.7	4.3	4.5
Median age in years Standard error	27.7 0.2	25.4 0.3	29.4 0.5	31.2 0.4	26.9 0.2	24.5 0.3	28.4 0.7	33.3 0.5	29.4 0.3	29.1 0.6	30.3 0.6	28.9 0.5
Percent new construction	5.3	6.7	4.4	3.2	6.6	7.7	6.4	3.7	2.8	2.7	2.8	2.8
Rooms in Unit												
Median roomsStandard error	5.5 0.01	6.1 0.02	4.6 0.03	4.9 0.02	6.1 0.01	6.4 0.02	5.6 0.04	5.6 0.03	4.2 0.01	4.8 0.03	3.9 0.03	4.2 0.02
Bedrooms in Unit												
Median bedrooms Standard error	2.7 0.01	2.9 0.01	2.1 0.02	2.3 0.01	3.0 0.01	3.1 0.01	2.7 0.02	2.7 0.02	1.9 0.01	2.3 0.02	1.6 0.02	1.9 0.02
Complete Bathrooms												
Percent	100.0 0.6	100.0 0.2	100.0 1.7	100.0	100.0	100.0 0.2	100.0 0.7	100.0 0.4	100.0 1.1	100.0 0.2	100.0 2.5	100.0 0.7
One	46.4 53.1	33.0 66.8	61.8 36.6	61.2 38.2	32.0 67.7	25.9 74.0	42.4 56.9	44.2 55.4	72.7 26.2	61.2 38.6	77.3 20.2	77.9 21.3
Persons Per Room												
1.01 or more persons per room	2,386	1,571	293	522	883	687	71	125	1,503	884	222	397
Percent of total	2.5	3.1	1.7	1.9	1.4	1.7	1.0	0.9	4.5	8.8	2.4	2.8
Square Footage of Unit												
Single detached and mobile homes	59,794 1,725 8	38,672 1,855 10	7,853 1,487 20	13,268 1,463 13	51,249 1,805 8	34,817 1,908 10	5,884 1,612 25	10,548 1,554 20	8,544 1,273 15	3,855 1,378 22	1,969 1,166 37	2,721 1,187 26
per person Standard error	689 4	619 4	905 16	921 13	723 5	644 4	982 16	1,037 19	489 7	406 9	674 22	544 19
Percent of Units With Selected Equipment and Amenities												
Complete kitchen facilities . Clothes washer	98.8 77.2 71.2 93.4 67.8	99.4 90.2 86.0 96.2 82.8	97.2 57.0 52.1 88.6 48.1	98.8 66.1 56.3 91.2 52.6	99.2 94.3 88.7 96.9 85.7	99.4 97.0 93.3 97.7 90.7	98.6 86.6 79.9 94.6 76.1	99.0 90.4 80.0 96.0 76.6	98.1 46.1 39.2 86.8 34.9	99.1 63.3 56.7 90.2 51.3	96.1 33.1 29.7 83.8 25.7	98.7 42.2 33.0 86.4 29.1

Table 4. Selected Physical Characteristics of Occupied Units, by Tenure and Household Type: 1993—Con.

	All occupied units			(Owner-occ	upied units	5	ı	Renter-occ	upied unit	s	
Characteristic		Но	usehold ty	ре		Но	usehold ty	ре		Ho	usehold ty	/pe
	Total	Married couples	Other male	Other female	Total	Married couples	Other male	Other female	Total	Married couples	Other male	Other female
Units With Physical Problems												
Percent	6.5	4.8	9.1	7.8	4.8	4.0	6.5	6.5	9.4	8.3	11.1	9.2
Severe physical problems Moderate physical problems .	2.0 4.5	1.6 3.3	2.9 6.2	2.2 5.6	1.6 3.2	1.5 2.4	1.8 4.7	1.8 4.7	2.7 6.7	1.8 6.5	3.8 7.3	2.7 6.5
Equipment Failures												
With hot and cold piped water	94,517	50,050	16,733	27,734	61,162	39,959	7,473	13,730	33,355	10,091	9,260	14,004
Percent with stoppage in last 3 months With at least one flush toilet	4.4 94,444	4.0 50,048	5.3 16,671	4.5 27,725	3.5 61,164	3.5 39,958	3.8 7,474	3.4 13,732	6.0 33,279	6.0 10,089	6.5 9,197	5.6 13,993
Percent with break down in last 3 months.	5.0	4.1	5.8	6.0	3.6	3.4	4.1	4.1	7.4	7.1	7.1	7.9
Cars and Trucks Available												
Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
No cars, trucks, or vans One car, truck, or van Two or more cars, trucks, or	10.3 61.0	2.2 58.9	11.8 67.6	24.2 60.8	4.2 61.9	0.8 58.4	4.1 70.7	13.9 67.5	21.6 59.3	7.4 60.8	17.9 65.0	34.3 54.3
vans	28.7	39.0	20.7	14.9	33.9	40.8	25.1	18.5	19.1	31.7	17.1	11.4

Table 5. Selected Financial Characteristics of Occupied Units, by Tenure and Household Type: 1993

	All occupied units				0	wner-occu	pied units		F	Renter-oc	cupied uni	ts
Characteristic		Ноц	sehold ty	ре		Hou	usehold ty	ре		Но	ousehold t	уре
	Total	Married couples	Other male	Other female	Total	Married couples	Other male	Other female	Total	Married couples	Other male	Other female
Total	94,724	50,085	16,855	27,784	61,251	39,990	7,504	13,757	33,472	10,095	9,351	14,027
INCOME OF FAMILIES AND PRIMARY INDI- VIDUALS, BY METRO- POLITAN RESIDENCE												
MedianStandard error	\$28,667 \$153	\$41,125 \$324	\$24,338 \$329	\$14,883 \$186	\$36,485 \$287	\$45,318 \$357	\$30,502 \$621	\$19,440 \$369	\$18,957 \$221	\$28,255 \$395	\$20,206 \$380	\$11,917 \$240
Inside metropolitan statistical areas Median Standard error In central cities. Median Standard error Suburbs Median Standard error Outside metropolitan	73,898 \$30,011 \$213 29,838 \$25,073 \$254 44,060 \$34,651 \$283	38,134 \$44,549 \$375 12,244 \$39,339 \$526 25,890 \$47,051 \$406	\$505 7,004 \$28,014 \$406	22,172 \$16,499 \$295 11,006 \$14,411 \$263 11,166 \$18,854 \$376	46,081 \$40,064 \$350 14,644 \$36,026 \$529 31,438 \$42,093 \$390	29,987 \$49,497 \$418 8,468 \$46,085 \$645 21,519 \$51,044 \$471	\$735 2,132 \$31,912 \$997 3,534 \$33,982 \$867	10,429 \$22,325 \$479 4,044 \$21,704 \$643 6,385 \$22,763 \$570	27,817 \$19,826 \$245 15,194 \$17,152 \$277 12,623 \$23,173 \$315	\$449 3,776 \$27,011 \$621 4,371 \$31,757 \$797	7,927 \$21,075 \$440 4,457 \$18,629 \$467 3,471 \$24,045 \$542	11,743 \$12,846 \$270 6,961 \$11,650 \$320 4,781 \$14,497 \$365
statistical areas Median Standard error	20,826 \$24,035 \$310	11,951 \$32,786 \$465	3,262 \$20,070 \$622	5,612 \$11,360 \$317	15,170 \$28,040 \$367	10,003 \$34,947 \$524	1,839 \$24,027 \$1,016	3,328 \$13,556 \$399	5,656 \$14,886 \$437	1,948 \$24,353 \$661	1,423 \$16,512 \$805	2,284 \$8,981 \$254
Low-Income Status												
Households with low income	13,787	3,903	2,197	7,686	5,386	2,347	657	2,383	8,400	1,556	1,541	5,303
Percent of total	14.6	7.8	13.0	27.7	8.8	5.9	8.7	17.3	25.1	15.4	16.5	37.8
Monthly Housing Costs ¹												
Total Median Standard error	86,798 \$497 \$3	45,223 \$583 \$4	15,697 \$471 \$5	25,878 \$404 \$4	55,739 \$511 \$5	36,078 \$596 \$6	6,872 \$458 \$13	12,789 \$335 \$5	31,058 \$487 \$3	9,144 \$559 \$5	8,825 \$476 \$5	13,089 \$447 \$4
Owner-occupied units: Mortgaged units Median Standard error Non-mortgaged units Median Standard error Renter-occupied units Median Standard error	31,671 \$799 \$5 24,068 \$242 \$2 31,058 \$487 \$3	22,839 \$845 \$7 13,240 \$257 \$2 9,144 \$559	3,742 \$738 \$15 3,130 \$223 \$5 8,825 \$476 \$5	5,090 \$669 \$10 7,699 \$223 \$3 13,089 \$447 \$4	31,671 \$799 \$5 24,068 \$242 \$2 (X) (X)	22,839 \$845 \$7 13,240 \$257 \$2 (X) (X) (X)	3,742 \$738 \$15 3,130 \$223 \$5 (X) (X)	5,090 \$669 \$10 7,699 \$223 \$3 (X) (X)	(X) (X) (X) (X) (X) (X) (X) (31,058 \$487 \$3	(X) (X) (X) (X) (X) (X) (X) 9,144 \$559 \$5	(X) (X) (X) (X) (X) (X) (X) 8,825 \$476 \$5	(X) (X) (X) (X) (X) (X) (X) 13,089 \$447 \$4
Monthly Housing Costs as a Percent of Income ²												
Total	85,631 22.1 0.1	44,752 18.5 0.1	15,462 24.2 0.3	25,417 29.4 0.2	55,080 18.8 0.1	35,693 17.4 0.1	6,788 19.8 0.4	12,600 24.0 0.3	30,551 29.3 0.2	9,060 23.6 0.3	8,674 27.9 0.4	12,817 35.2 0.5
Owner-occupied units: Mortgaged units Median percentage Standard error Non-mortgaged units Median percentage Standard error Renter-occupied units Median percentage Standard error	31,369 22.1 0.1 23,712 13.6 0.1 30,551 29.3 0.2	22,631 20.4 0.2 13,062 11.2 0.2 9,060 23.6 0.3	3,710 24.3 0.4 3,078 13.5 0.4 8,674 27.9 0.4	5,028 29.9 0.5 7,572 19.4 0.3 12,817 35.2 0.5	31,369 22.1 0.1 23,712 13.6 0.1 (X) (X)	22,631 20.4 0.2 13,062 11.2 0.2 (X) (X) (X)	3,710 24.3 0.4 3,078 13.5 0.4 (X) (X)	5,028 29.9 0.5 7,572 19.4 0.3 (X) (X)	(X) (X) (X) (X) (X) (X) (X) 30,551 29.3 0.2	(X) (X) (X) (X) (X) (X) 9,060 23.6 0.3	(X) (X) (X) (X) (X) (X) (X) 8,674 27.9 0.4	(X) (X) (X) (X) (X) (X) 12,817 35.2 0.5

See footnotes at end of table.

Table 5. Selected Financial Characteristics of Occupied Units, by Tenure and Household Type: 1993—Con.

	All occupied units			C)wner-occu	pied units		ı	Renter-occ	cupied unit	ts	
Characteristic		Ноц	sehold ty	ре		Ног	usehold ty	ре		Но	usehold ty	/ре
	Total	Married couples	Other male	Other female	Total	Married couples	Other male	Other female	Total	Married couples	Other male	Other female
Income Sources and Programs												
Percent with-												
Welfare or SSI	6.3 4.6 7.8 5.3 29.8 44.7	2.8 2.5 3.3 1.7 26.3 51.6	4.7 1.3 5.8 4.4 23.4 37.7	13.5 10.5 17.0 12.4 39.9 36.5	2.5 3.9 2.7 (X) 35.5 55.7	1.7 2.2 1.5 (X) 29.6 58.0	2.2 1.5 2.8 (X) 33.1 51.6	4.9 10.2 6.0 (X) 53.9 51.4 7.6	13.2 5.8 17.1 15.0 19.3 24.5	7.3 3.3 10.4 8.3 13.2 26.2	6.6 1.1 8.2 8.0 15.6 26.6	22.0 10.8 27.8 24.5 26.1 21.8
Value, by Metropolitan Residence												
Median Standard error Inside metropolitan	\$86,530 \$548	\$93,995 \$652	\$76,565 \$1,362	\$70,217 \$954	\$86,530 \$548	\$93,995 \$652	\$76,565 \$1,362	\$70,217 \$954	(X) (X)	(X) (X)	(X) (X)	(X) (X)
statistical areas Median. Standard error In central cities. Median. Standard error Suburbs. Median. Standard error Outside metropolitan	46,081 \$97,489 \$604 14,644 \$83,092 \$989 31,438 \$105,370 \$891	\$1,213 21,519	5,665 \$86,718 \$1,848 2,132 \$75,744 \$2,208 3,534 \$93,094 \$1,965	10,429 \$79,833 \$1,216 4,044 \$70,645 \$1,469 6,385 \$86,682 \$1,465	46,081 \$97,489 \$604 14,644 \$83,092 \$989 31,438 \$105,370 \$891	29,987 \$107,334 \$1,067 8,468 \$91,194 \$1,213 21,519 \$114,514 \$1,063	\$1,848 2,132 \$75,744 \$2,208 3,534	10,429 \$79,833 \$1,216 4,044 \$70,645 \$1,469 6,385 \$86,682 \$1,465	27,817 (X) (X) 15,194 (X) (X) 12,623 (X) (X)	8,147 (X) (X) 3,776 (X) (X) 4,371 (X) (X)	7,927 (X) (X) 4,457 (X) (X) 3,471 (X) (X)	11,743 (X) (X) 6,961 (X) (X) 4,781 (X)
statistical areas Median Standard error	15,170 \$58,500 \$831	10,003 \$64,200 \$945	1,839 \$51,775 \$2,489	3,328 \$46,578 \$1,096	15,170 \$58,500 \$831	10,003 \$64,200 \$945	1,839 \$51,775 \$2,489	3,328 \$46,578 \$1,096	5,656 (X) (X)	1,948 (X) (X)	1,423 (X) (X)	2,284 (X) (X)

X Not applicable.

¹Represents households reporting housing costs.

²Represents households reporting housing costs and having incomes greater than zero.

³Includes units owned by public housing authority, subsidized by Federal or State government, or income verification.

Table 6. Household Composition, by Tenure: 1993

[Occupied housing units. Numbers in thousands]

Household composition		Ow	ner	
nouseriola composition	Total	Total	Percent	Renter
Total	94,724	61,251	64.7	33,472
Married Couples	50,085	39,990	79.8	10,095
Families with children	24,155 25,930	18,270 21,720	75.6 83.8	5,885 4,210
Other Male Householders	16,854	7,504	44.5	9,351
Families with children. Families with no children. Nonfamily households 1 person 2 or more persons		1,280 1,428 4,796 3,871 925	56.1 66.4 38.6 41.1 30.8	1,000 722 7,629 5,548 2,081
Other Female Householders	27,785	13,757	49.5	14,028
Families with children. Families with no children. Nonfamily households 1 person 2 or more persons	8,340 3,859 15,586 13,569 2,017	2,938 2,626 8,193 7,480 713	35.2 68.0 52.6 55.1 35.3	5,402 1,233 7,393 6,089 1,304

Table 7. Race and Hispanic Origin of Householder, by Tenure: 1993

[Occupied housing units. Numbers in thousands, except percents]

Page and Hispania arigin of householder		Owner			
Race and Hispanic origin of householder	Total	Total	Percent	Renter	
Total	94,724	61,251	64.7	33,472	
White	80,029	54,877	68.6	25,151	
	11,128	4,788	43.0	6,340	
	481	253	52.6	228	
	2,257	1,155	51.2	1,102	
	829	179	21.6	650	
Hispanic origin	6,614	2,788	42.2	3,826	
	88,110	58,463	66.4	29,647	
Percent	100.0	100.0	(X)	100.0	
White	84.5	89.6	(X)	75.1	
	11.7	7.8	(X)	18.9	
	0.5	0.4	(X)	0.7	
	2.4	1.9	(X)	3.3	
	0.9	0.3	(X)	1.9	
Hispanic origin	7.0	4.6	(X)	11.4	
	93.0	95.4	(X)	88.6	

X Not applicable.

Note: Hispanic origin may be of any race.

Table 8. Heating Equipment and Main Heating Fuel Used in Occupied Units, by Tenure and Metro Location: 1993 [Numbers in thousands, except percents]

	All occupied units			Own	er-occupied	units	Renter-occupied units			
Main heating fuel	Total	Central heat	No central heat	Total	Central heat	No central heat	Total	Central heat	No central heat	
United States	94,724	88,794	9,017	61,252	54,980	5,906	33,473	29,816	3,112	
Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Electricity Piped or bottled gas Fuel oil or kerosene Coke, coal, or wood Other or none	26.5 54.5 12.9 4.6 1.5	27.1 54.5 12.8 0.6 0.5	11.7 35.1 9.2 42.7 1.3	23.2 57.4 12.8 5.6 1.1	24.8 60.7 13.3 0.9 0.4	9.9 30.1 8.9 49.9 1.2	32.6 49.1 13.0 2.9 2.4	35.0 50.5 13.6 0.3 0.7	15.0 44.7 9.7 29.0 1.6	
Inside MSA's	73,898	71,777	5,294	46,082	42,574	3,190	27,817	25,203	2,105	
Percent. Electricity Piped or bottled gas. Fuel oil or kerosene Coke, coal, or wood. Other or none	100.0 26.9 56.0 12.7 2.7 1.7	100.0 26.4 54.8 12.4 0.3 0.5	100.0 17.4 38.7 9.0 33.2 1.6	100.0 23.1 60.2 12.3 3.2 1.2	100.0 23.9 62.6 12.7 0.4 0.4	100.0 15.4 33.7 8.5 40.9 1.5	100.0 33.2 49.1 13.4 1.7 2.6	100.0 34.9 50.3 14.0 0.1 0.7	100.0 20.4 46.2 9.8 21.6 1.9	
Inside central cities	29,838	27,443	1,997	14,644	13,628	894	15,194	13,815	1,104	
Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Electricity Piped or bottled gas Fuel oil or kerosene Coke, coal, or wood Other or none	24.8 60.1 11.8 1.3 2.0	25.6 61.3 12.4 0.1 0.6	18.0 55.5 6.7 18.2 1.6	18.9 69.9 8.4 1.7 1.1	19.3 71.6 8.7 0.2 0.3	15.9 53.8 4.4 25.6 0.2	30.4 50.7 15.2 0.9 2.8	31.9 51.2 16.0 0.0 0.8	19.7 56.8 8.6 12.1 2.7	
Suburbs	44,060	44,334	3,297	31,438	28,946	2,296	12,623	11,388	1,001	
Percent. Electricity Piped or bottled gas Fuel oil or kerosene Coke, coal, or wood Other or none	100.0 28.3 53.2 13.3 3.6 1.6	100.0 26.9 50.8 12.4 0.4 0.5	100.0 17.0 28.5 10.5 42.4 1.7	100.0 25.1 55.7 14.1 4.0 1.2	100.0 26.0 58.4 14.5 0.6 0.4	100.0 15.2 25.9 10.1 46.9 2.0	100.0 36.5 47.2 11.3 2.6 2.5	100.0 38.5 49.2 11.5 0.1 0.6	100.0 21.3 34.6 11.2 32.0 1.0	
Outside MSA's	20,826	17,017	3,723	15,170	12,406	2,716	5,656	4,613	1,007	
Percent. Electricity Piped or bottled gas Fuel oil or kerosene	100.0 25.1 49.0 13.5	100.0 29.9 53.4 14.4	100.0 3.6 30.0 9.4	100.0 23.4 48.9 14.3	100.0 27.8 54.2 15.4	100.0 3.5 25.8 9.4	100.0 29.6 49.1 11.3	100.0 35.5 51.1 11.8	100.0 3.8 41.4 9.4	
Coke, coal, or wood Other or none	11.7 0.8	2.0 0.3	56.1 0.9	12.7 0.7	2.3 0.3	60.4 0.9	9.0 1.0	1.3 0.3	44.5 0.9	

Table 9. Respondent Opinions of House and Neighborhood, by Tenure: 1993

[Numbers in thousands, except percents]

94,724 93,955 550 334 714 967 6,073 4,601 10,700 22,862 14,638	Percent 100.0 100.0 0.6 0.4 0.8 1.0 6.5 4.9 11.4 24.3	Total 61,251 60,867 106 67 223 232 2,616 1,958	Percent 100.0 100.0 0.2 0.1 0.4 0.4 4.3	Total 33,472 33,087 444 267 491 735	Percent 100.0 100.0 1.3 0.8 1.5
93,955 550 334 714 967 6,073 4,601 10,700 22,862 14,638	100.0 0.6 0.4 0.8 1.0 6.5 4.9	60,867 106 67 223 232 2,616 1,958	100.0 0.2 0.1 0.4 0.4 4.3	33,087 444 267 491	100.0 1.3 0.8 1.5
550 334 714 967 6,073 4,601 10,700 22,862 14,638	0.6 0.4 0.8 1.0 6.5 4.9	106 67 223 232 2,616 1,958	0.2 0.1 0.4 0.4 4.3	444 267 491	1.3 0.8 1.5
550 334 714 967 6,073 4,601 10,700 22,862 14,638	0.6 0.4 0.8 1.0 6.5 4.9	106 67 223 232 2,616 1,958	0.2 0.1 0.4 0.4 4.3	444 267 491	1.3 0.8 1.5
32,517	15.6 34.6	5,536 14,443 10,518 25,167	3.2 9.1 23.7 17.3 41.3	3,457 2,642 5,164 8,419 4,120 7,349	2.2 10.4 8.0 15.6 25.4 12.5 22.2
, ,		-, -		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
93,006 1,463 896 1,319 1,797 7,155 4,861 10,172 20,628 13,522 31,192	100.0 1.6 1.0 1.4 1.9 7.7 5.2 10.9 22.2 14.5 33.5	60,226 451 338 529 747 3,495 2,599 5,986 13,690 9,607 22,785	100.0 0.7 0.6 0.9 1.2 5.8 4.3 9.9 22.7 16.0 37.8	32,778 1,012 559 790 1,050 3,660 2,263 4,186 6,938 3,914 8,407	100.0 3.1 1.7 2.4 3.2 11.2 6.9 12.8 21.2 11.9 25.6
93,886 35,997 6,767 7,670 6,953 4,001 1,279 1,394 11,927	100.0 38.3 7.2 8.2 7.4 4.3 1.4	60,651 21,993 2,825 3,687 4,256 2,711 863 889 6,649	100.0 36.3 4.7 6.1 7.0 4.5 1.4	33,233 14,004 4,042 3,983 2,697 1,290 417 505 5,278	100.0 42.1 12.2 12.0 8.1 3.9 1.3
	1,463 896 1,319 1,797 7,155 4,861 10,172 20,628 13,522 31,192 93,886 35,997 6,767 7,670 6,953 4,001 1,279	1,463 1.6 896 1.0 1,319 1.4 1,797 1.9 7,155 7.7 4,861 5.2 10,172 10.9 20,628 22.2 13,522 14.5 31,192 33.5 93,886 100.0 35,997 38.3 6,767 7.2 7,670 8.2 6,953 7.4 4,001 4.3 1,279 1.4 1,394 1.5 11,927 12.7	1,463 1.6 451 896 1.0 338 1,319 1.4 529 1,797 1.9 747 7,155 7.7 3,495 4,861 5.2 2,599 10,172 10.9 5,986 20,628 22.2 13,690 13,522 14.5 9,607 31,192 33.5 22,785 93,886 100.0 60,651 35,997 38.3 21,993 6,767 7.2 2,825 7,670 8.2 3,687 6,953 7.4 4,256 4,001 4.3 2,711 1,279 1.4 863 1,394 1.5 889 11,927 12.7 6,649	1,463 1.6 451 0.7 896 1.0 338 0.6 1,319 1.4 529 0.9 1,797 1.9 747 1.2 7,155 7.7 3,495 5.8 4,861 5.2 2,599 4.3 10,172 10.9 5,986 9.9 20,628 22.2 13,690 22.7 13,522 14.5 9,607 16.0 31,192 33.5 22,785 37.8 93,886 100.0 60,651 100.0 35,997 38.3 21,993 36.3 6,767 7.2 2,825 4.7 7,670 8.2 3,687 6.1 6,953 7.4 4,256 7.0 4,001 4.3 2,711 4.5 1,279 1.4 863 1.4 1,394 1.5 889 1.5 11,927 12.7 6,649 11.0	1,463 1.6 451 0.7 1,012 896 1.0 338 0.6 559 1,319 1.4 529 0.9 790 1,797 1.9 747 1.2 1,050 7,155 7.7 3,495 5.8 3,660 4,861 5.2 2,599 4.3 2,263 10,172 10.9 5,986 9.9 4,186 20,628 22.2 13,690 22.7 6,938 13,522 14.5 9,607 16.0 3,914 31,192 33.5 22,785 37.8 8,407 93,886 100.0 60,651 100.0 33,233 35,997 38.3 21,993 36.3 14,004 6,767 7.2 2,825 4.7 4,042 7,670 8.2 3,687 6.1 3,983 6,953 7.4 4,256 7.0 2,697 4,001 4.3 2,711 4.5 1,290 1,279 1.4 863 1.4 417

Table 10. Selected Mortgage Characteristics for Homeowners, by Region: 1993

[Homeowners with mortgaged homes. Numbers in thousands, except percents]

Oh avastavistis		Region				
Characteristic	Total	Northeast	Midwest	South	West	
Current Interest Rate for Primary Mortgage						
Total	37,183	6,973	9,316	12,574	8,321	
With reported interest rates	16,719	2,910	4,127	6,104	3,578	
Less than 5 percent	465	66	83	145	170	
5.0 to 5.9	535	86	88	197	164	
6.0 to 6.9	1,309 3,273	221 631	340 865	414 1,085	333 693	
7.0 to 7.9	3,273 4.345	768	1,115	1,065	866	
9.0 to 9.9	3,395	537	782	1,325	752	
10.0 to 11.9	2.599	485	674	957	483	
12 percent or more	798	116	180	385	117	
Not reported	20,464	4,063	5,189	6,470	4,743	
Percent of reported	100.0	100.0	100.0	100.0	100.0	
Less than 5 percent	2.8	2.3	2.0	2.4	4.8	
5.0 to 5.9	3.2	3.0	2.1	3.2	4.6	
6.0 to 6.9	7.8	7.6	8.2	6.8	9.3	
7.0 to 7.9	19.6	21.7	21.0	17.8	19.4	
8.0 to 8.9	26.0	26.4	27.0	26.1	24.2	
9.0 to 9.9	20.3	18.5	18.9	21.7	21.0	
10.0 to 11.9	15.5 4.8	16.7 4.0	16.3 4.4	15.7 6.3	13.5 3.3	
Payment Plan of Primary Mortgage						
Total	37,184	6,973	9,317	12,575	8,320	
With reported type	33,368	6,300	8,338	11,209	7,521	
Fixed rate	28,147	5,240	7,021	9,732	6,154	
Adjustable rate or term	3,749	773	919	1,103	953	
Graduated, balloon, combination, or other	1,472	287	397	374	414	
Not reported	3,816	673	979	1,366	799	
Percent of reported	100.0	100.0	100.0	100.0	100.0	
Fixed rate	84.4	83.2	84.2	86.8	81.8	
Adjustable rate or term	11.2	12.3	11.0	9.8	12.7	
Graduated, balloon, combination, or other	4.4	4.6	4.8	3.3	5.5	
Number of Mortgages						
Total reporting number	36,347	6,820	9,135	12,308	8,086	
Percent	100.0	100.0	100.0	100.0	100.0	
1	88.9	85.9	90.4	90.5	87.2	
2	10.9	14.0	9.5	9.5	12.2	
3 or more	0.2	0.1	0.1	0.1	0.6	

Table 11. Real Estate Taxes Paid, by Mortgage Status and Region: 1993

[Owner-occupied units. Numbers in thousands, except percents]

		Homeowners with mortgaged home				Homeowners with nonmortgaged home					
Real estate taxes in 1992			Region				Region				
_	Total	Total	North- east	Midwest	South	West	Total	North- east	Midwest	South	West
Total	61,251	37,183	6,973	9,317	12,575	8,319	24,068	4,778	6,300	9,266	3,724
None	1,850	802	60	59	608	75	1.048	39	79	854	77
Less than \$250	7,437	3,016	98	585	1,977	356	4,421	160	831	2,790	641
\$250 to \$499	8,652	4,625	210	985	2,472	958	4,027	345	1,019	1,927	736
\$500 to \$749	7,866	4,673	327	1,303	1,847	1,196	3,193	403	910	1,232	649
\$750 to \$999	6,167	3,821	488	1,059	1,246	1,028	2,346	438	773	725	410
\$1,000 to \$1,249	6,431	4,148	626	1,183	1,204	1,136	2,283	579	761	567	376
\$1,250 to \$1,499	3,635	2,531	527	694	663	647	1,104	320	345	255	184
\$1,500 to \$1,749	3,592	2,454	578	655	587	634	1,138	411	346	179	202
\$1,750 to \$1,999	2,419	1,696	407	455	387	448	723	288	199	147	89
\$2,000 to \$2,499	4,470	3,062	1,020	762	583	698	1,408	619	390	230	169
\$2,500 or more	8,732	6,355	2,633	1,576	1,002	1,144	2,377	1,178	647	360	191
Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
None	3.0	2.2	0.9	0.6	4.8	0.9	4.4	8.0	1.3	9.2	2.1
Less than \$250	12.1	8.1	1.4	6.3	15.7	4.3	18.4	3.3	13.2	30.1	17.2
\$250 to \$499	14.1	12.4	3.0	10.6	19.7	11.5	16.7	7.2	16.2	20.8	19.8
\$500 to \$749	12.8	12.6	4.7	14.0	14.7	14.4	13.3	8.4	14.4	13.3	17.4
\$750 to \$999	10.1	10.3	7.0	11.4	9.9	12.4	9.7	9.2	12.3	7.8	11.0
\$1,000 to \$1,249	10.5	11.2	9.0	12.7	9.6	13.7	9.5	12.1	12.1	6.1	10.1
\$1,250 to \$1,499	5.9	6.8	7.6	7.4	5.3	7.8	4.6	6.7	5.5	2.8	4.9
\$1,500 to \$1,749	5.9	6.6	8.3	7.0	4.7	7.6	4.7	8.6	5.5	1.9	5.4
\$1,750 to \$1,999	3.9	4.6	5.8	4.9	3.1	5.4	3.0	6.0	3.2	1.6	2.4
\$2,000 to \$2,499	7.3	8.2	14.6	8.2	4.6	8.4	5.9	13.0	6.2	2.5	4.5
\$2,500 or more	14.3	17.1	37.8	16.9	8.0	13.8	9.9	24.7	10.3	3.9	5.1
Median	\$945	\$1,100	\$2,081	\$1,141	\$667	\$1,120	\$699	\$1,565	\$851	\$378	\$657

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Appendix.

Source and Accuracy of the Estimates

SOURCE OF THE DATA

All estimates in this report are based on data from the 1993 American Housing Survey-National (AHS-N) sample. The Bureau of the Census conducts this survey biennially, acting as collection agent for the Department of Housing and Urban Development.

The sample for the AHS-N survey was spread over 394 sample areas (called primary sampling units) comprising 878 counties and independent cities with coverage in 50 States and the District of Columbia. We selected about 56,700 housing units for interview in 1993. For more details about the sample design of AHS-N, refer to appendix B of the report *American Housing Survey for the United States in 1993* (Current Housing Reports, Series H150/93).

ESTIMATION PROCEDURES

The AHS-N sample estimation procedure adjusted weighted sample estimates of the United States housing inventory by tenure, race/ethnicity of householder, age of householder, household status, and geographic region. We based these independent estimates on statistics from the 1990 decennial census and the Current Population Survey, a monthly survey we conduct for the Bureau of Labor Statistics to provide monthly labor force data.

We used controls based on the 1990 census that are about 2.5 percent lower than the 1980-based controls used in reports for 1989 or earlier. The method for computing the controls is also different. As a result, estimates of change from this report compared with reports prior to 1991 may be understated by about 2.5 percent.

Refer to appendix B of the report *American Housing Survey of the United States in 1993* (Current Housing Reports, Series H150/93) for more details about the estimation procedure and controls of the 1993 AHS-N.

ACCURACY OF THE ESTIMATES

Since estimates in this publication are based on samples, they may differ from the results that would have been obtained if a complete census had been taken under the same interviewing conditions. Estimates from sample surveys have two possible types of errors: nonsampling and sampling errors. The accuracy of survey estimates depends upon the net effect of nonsampling and sampling errors.

NONSAMPLING ERRORS

Nonsampling errors may be attributed to many sources and occur during all stages of the survey process. They include:

- a. Inability to obtain information about all cases
- b. Definitional difficulties
- Differences in interpretation of questions among respondents
- d. Inability or unwillingness to provide correct information on the part of the respondents
- e. Mistakes in recording or coding the data
- f. Other errors of collection, response, processing, and coverage; and missing data information.

SAMPLING ERRORS

Definition. Sampling errors reflect how estimates from a sample vary from the actual value. (Note: "actual value" means the value that would appear if all housing units had been interviewed, under the same conditions, rather than only a sample. A confidence interval is a range that contains our estimate with a specified probability.)

Hypothesis testing. We used hypothesis tests to test differences between characteristics. All statements of comparison in the text passed an hypothesis test at the 0.10 level of significance. This level indicates that the probability of concluding that the characteristics are different when they are actually the same is 0.10. The absolute value of the estimated difference between characteristics is greater than or equal to 1.64 times the standard error of the difference at this level of significance.

Counts. Most numbers in this report are counts of housing units (e.g., units with basements or units with an elderly person). These counts have errors from sampling. Table A gives a convenient list of errors for a range of numbers. These errors are an overestimate for most items. To get a more accurate answer, use the appropriate formula shown in table B. As with the other types of errors, readers should be wary of numbers with large errors from sampling.

Table A. Errors From Sampling, to Compute a 90-Percent Confidence Interval

When this report lists one of the following numbers—	The chances are 90 percent that the actual value is inside the range of plus or minus—
0	3
10	10
100	33
500	72
1,000	102
2,500	159
5,000	223
10,000	307
25,000	446
50,000	525
75,000	482
90,000	385
100,000	261

Source: These errors were computed based on a formula in table B with high error. This table represents a conservative example. The numbers are in thousands.

The error from sampling cannot be known exactly. We approximate it using the following formula for constructing a 90-percent confidence interval:

$$1.64 \times \sqrt{3.85 \times A - .000036 \times A^2}$$

where A is a number (a count of units) in this report.

This formula is an overestimate for most items. To get a more accurate estimate, use the appropriate formula in table B.

For example, if A is 200:

$$1.64 \times \sqrt{3.85 \times 200 - .000036 \times 200 \times 200} = 45$$

The 90-percent confidence interval can then be formed by adding this error to and subtracting it from the survey estimate of 200 (i.e., 200 ± 45). Statements such as "the actual value is in the range 200 ± 45 (155 to 245)" are right 90 percent of the time and wrong 10 percent of the time.1

Numbers in the report are printed in thousands, so 200 means 200,000. The formulas are designed to use numbers directly from this report; do not add zeros. The result is also in thousands, so 45 means 45,000.

Table B. Error Formulas From Sampling, to Compute a 90-Percent Confidence Interval for Most Items

Characteristics	Error formulas
United States (except cooperatives and condominiums and no complete bathroom), mobile homes, new construction, and Black	$1.64 \times \sqrt{3.16 \times A - 0.000030 \times A^2}$
Midwest	$1.64 \times \sqrt{3.16 \times A - 0.000123 \times A^2}$
West	$1.64 \times \sqrt{3.16 \times A - 0.000142 \times A^2}$
Central city, Hispanic, urban, and MSA-suburb	1.64 x $\sqrt{2.51 \text{ x A} + 0.000171 \text{ x A}^2}$
Northeast	1.64 x $\sqrt{2.51 \text{ x A} - 0.000119 \text{ x A}^2}$
Rural	1.64 x $\sqrt{3.02 \text{ x A} - 0.000028 \text{ x A}^2}$
South	1.64 x $\sqrt{3.02 \text{ x A} - 0.000084 \text{ x A}^2}$
Outside MSA (except heating and fueling items in table 8 of the report) and	
vacants (except cooperatives and condominiums and no complete bathroom)	1.64 x $\sqrt{3.23 \text{ x A} - 0.000030 \text{ x A}^2}$
Cooperatives and condominiums and no complete bathroom	1.64 x $\sqrt{3.85 \text{ x A} + 0.000255 \text{ x A}^2}$
Outside MSA (heating and fueling items in table 8 of the report)	$1.64 \times \sqrt{3.85 \times A + 0.002859 \times A^2}$

Note: The formulas are based on 1.64 times the error from sampling. These formulas give 90-percent confidence interval errors. For 95-percent confidence interval errors, multiply by 1.96 instead of 1.64; for 99-percent confidence interval errors, multiply by 2.58 instead of 1.64.

¹The formula in the text is based on 1.64 times the error from sampling. This formula gives 90-percent confidence interval errors. For 95-percent confidence interval errors, multiply by 1.96 instead of 1.64; for 99-percent confidence interval errors, multiply by 2.58 instead of 1.64.

Percents. Any subgroup can be shown as a percent of a larger group. The error from sampling for a 90-percent confidence interval for this percent is:

$$1.64 \times \sqrt{3.85 P (100 - P) / A}$$

where P is the percent; and A is the denominator, or base of the percent.²

This formula is an overestimate for most items. To get a more accurate estimate, replace the first number under the square root sign with the first number under the square root sign of the appropriate formula in table B.

For example, the error from sampling for a 90-percent confidence interval for 40 percent of 200 (meaning 200,000) is:

$$1.64 \times \sqrt{3.85 \times 40 \times 60/200} = 11.1$$

Statements such as "the actual percent is in the range 28.9 percent to 51.1 percent" are right 90 percent of the time. This formula is an overestimate for most items. To get a more accurate estimate, change the first number under the square root sign here, 3.85, to the first number given under the square root sign of the appropriate formula in table B.

Note that when a ratio C/D is computed where C is *not* a subgroup of D (for example, the number of Hispanics as a ratio of the number of Blacks), the error from sampling is different. The error from sampling for a 90-percent confidence interval for a ratio C/D³ is:

(C/D)
$$\sqrt{\text{((error for C) /C)}^2 + \text{((error for D) /D)}^2}$$

Medians. Use the steps in the following table to calculate the error from sampling for a 90-percent confidence interval for medians.⁴

Steps for calculations	The formula	An example	Your data
How many total units is the median based on (in thousands; exclude "not reported" and "don't know")?	А	200	_
What are the end- points of the category the median is in?	X - Y	\$50-74	
What is the width of this category (in dollars, rooms, or whatever the item measures)?	W	\$25	_
How many housing units are in this median category (in thousands)?	В	30	
Then the error from sampling for the median is approximately: ¹	$\frac{1.8x \text{ W x } \sqrt{A}}{B}$	$\frac{1.8 \times \$25 \times \sqrt{200}}{30}$ = \$21	
The 90-percent confidence interval for the median is:	$median \pm \frac{1.8x W x \sqrt{A}}{B}$	median ± \$21	

¹The factor 1.8 is a conservative estimate for most items. For a better approximation, find the appropriate formula in table B and divide the first number under the square root sign by 3.85. Take the square root of this answer and multiply by 1.8 to get your factor.

Differences. Two numbers from this report, such as like 34 and 40 or 40 percent and 45 percent have a "statistically significant difference," if their ranges of error from sampling for a 90-percent confidence interval do not overlap. When ranges of error for a 90-percent confidence interval do overlap, numbers are still statistically different if the result of subtracting one from the other is more than:⁵

$$\sqrt{(\text{error for 1st number})^2 + (\text{error for 2nd number})^2}$$

For example, if the first number is 34 and the second number is 40, with an error of 20, then the 90-percent confidence interval error for this difference of 6 is:

$$\sqrt{19^2 + 20^2} = 28$$

Since the difference is less than the error, these two numbers are not statistically different.

²This formula is actually 1.64 x $\sqrt{(p(100-p)/n)}$, since 3.85/A adjusts the data to the effective sample size.

³The error for C should be interpreted as the error for a 90-percent confidence interval for C. Likewise, the error for D should be interpreted as the error for a 90-percent confidence interval for D.

⁴For small bases, use the more accurate approach in table C.

⁵"Error for 1st number" should be interpreted as the error for a 90-percent confidence interval for the first number. Likewise, "error for 2nd number" should be interpreted as the error for a 90-percent confidence interval for the second number.

Table C. Calculation of the 90-Percent Confidence Interval for Medians

Chang for coloulations		Bottom limit		Top limit		
Steps for calculations	Formula	Example	Your data	Example	Your data	
How many total units is the median based on (in thousands; exclude "not reported" and "don't know")?	А	200				
Half the total, for the median (in thousands)	A/2	100				
Error from sampling for 50 percent of the base of this median (1st line) ¹	161/√Ā	11.4				
Multiply this percentage error by .01 to turn it into a fraction and by total units to give the error in housing units	1.61√A	23				
Bottom of error range (2nd line minus 4th line, in thousands)	B _{bottom}	77*				
Top of error range (2nd line plus 4th line, in thousands)	B _{top}			* 123		
* Start adding up the housing units in the table, category by category, cumulatively from the beginning of the table, until you exceed the starred number above. What interval does the starred number fall in?		\$25-\$49		\$50-\$74		
How many housing units are in all the categories before this one (in thousands)?	С	50		95		
How many housing units are in this category (in thousands)?	D	45		30		
What is the bottom limit of this category (in dollars, rooms, or whatever the item measures)?	E	\$25		\$50		
What is the bottom limit of the next category (in dollars, rooms, etc)?	F	\$50		\$75		
Formula to calculate the limits of confidence interval	$\frac{B-C}{D}(F-E)+E$	$\frac{77-50}{45}(\$25) + \25		$\frac{123 - 95}{30} (\$25) + \50		
Limits of confidence interval (in dollars, rooms, etc.)		\$40		\$73		

^{*} Starting with the starred step, this worksheet is equivalent to interpolation, for those who are familiar with this term.

Note: The steps shown in this table are used to calculate the 90-percent confidence interval for medians. Some hypothetical cost data to be used in making your calculations is included below (all numbers are in thousands):

Cumulative number of

		housing units
Total housing units	209	-
Less than \$25	50	50
\$25 to \$49	45	95
\$50 to \$74	30	125
\$75 to \$99	20	145
\$100 or more	55	200
Not reported	9	-
Median	\$54	-

¹Statistical note: This formula is based on the error from sampling for 50 percent (using the formula above,

 $^{1.64 \}times \sqrt{(3.85 \times 50 \times (100-50)/A)} = 161/\sqrt{A} \quad \text{). This formula is an overestimate for most items. For a more accurate answer, replace the first number under the square foot sign with the first number under the square root sign of the appropriate formula in table B.}$