



**Off-Highway Vehicle Recreation in the
United States, Regions and States:
A National Report from the National Survey on
Recreation and the Environment (NSRE)**

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Introduction

This Report

This report was prepared for the Forest Service's National OHV Policy & Implementation Teams. The source of data is the National Survey on Recreation and the Environment (NSRE). The data used in this report from the NSRE were collected between the fall of 1999 through late 2004. More about the NSRE can be found at this web site, www.srs.fs.fed.us/trends. As the reader will note, detailed results from the NSRE describing off-highway vehicle users can be found in the Appendices to this report (reader, please note that wording). We chose to put the more detailed results in appendices to reduce the number and length of data tables in the main body of this report. The focus of this report is on off-highway driving of motor vehicles. Wording of the question in the NSRE referred to "off-road" driving because this is how the activity was phrased in previous NSRE surveys. For this report we will consider off-highway and off-road to be the same.

The NSRE is a collaborative project between the Forest Service (Research and Development and Strategic Planning and Resource Assessment Offices), National Oceanic and Atmospheric Administration, the University of Georgia and the University of Tennessee. Other agencies also are partners in sponsoring the NSRE.

Off-Highway Vehicle Issues

The July 15, 2004, Forest Service draft rule regarding management of motorized vehicle use has increased attention on where and how off-highway vehicle (OHV) recreation occurs and is offered. As public land managers are tasked with the responsibility of examining and implementing clear and consistent agency policy, understanding who the OHV recreationists are has become ever more important.

Currently there is considerable concern about cross-country travel by motorized vehicles on the National Forests and on other public lands of this country. Forest Service Chief Dale Bosworth has noted that unmanaged recreation, including OHV use, is one of the top four threats to the health of national forests. The growing use of motor vehicles is prompting the Forest Service to revise its management of this use so that the agency can continue to provide opportunities desired by the public, while sustaining National Forest System lands.

Off-highway vehicles are popularly defined as 1) 4-wheel drive jeeps, automobiles, or sport utility vehicles; 2) motorcycles designed for off-highway use; 3) all-terrain vehicles, better known as ATVs and other specially designed off road motor vehicles used in a wide variety of ways. Although some observers and organizations include snowmobiles in their broad definition of OHVs, they are not included as OHVs for the purposes of this report, even though the NSRE has collected data specifically addressing this widely population motorized activity. Further, it is recognized that OHVs are used frequently for business, commuting, and other work-related

reasons, particularly those in the 4-wheel drive category of OHV types. This report, however, focuses **only** on the recreational uses of OHVs. The best way to ascertain and estimate population-wide recreational use of OHVs is through a general population survey such as the National Survey on Recreation and the Environment. Although a person may own an OHV for many purposes, the NSRE asks the question directly whether an individual drove a 4-wheel drive, ATV, or motorcycle off-highway for recreation within the past year.

The Motorcycle Industry Council (MIC) is the primary trade organization that represents the ATV and motorcycle industries in the United States. The MIC makes periodic assessments of the number of new retail sales and the number of OHV units (i.e., ‘population in use’) that exist in a given calendar year. This is done separately for ATVs and off-highway motorcycles. (The MIC does not report these figures annually.) Another organization, the United Four Wheel Drive Association, represents 4-wheel drive owners and interests in the U.S., but does not attempt to track sales and total number of vehicles. This is primarily due to the difficulty involved with tracking the very wide variety of makes, models, and manufacturers of 4-wheel drive vehicles. ATV and off-highway motorcycle sales and total number of vehicles dating back to the mid-1990s, as reported by the MIC, are shown in Table 1.

Table 1—Number of new retail sales and estimated total number of off-highway vehicles in the United States, by OHV type, 1993-2003

Statistic and Year	All-Terrain Vehicles (ATVs)	Off-Highway Motorcycles	Total
New Retail Sales			
1995	277,800	90,700	368,600
1999	545,900	159,700	705,600
2003	799,400	314,000	1,113,400
Total Number of Vehicles			
1993	--	--	2,920,000
1998	3,910,000	1,970,000	5,880,000
2001-2003	5,600,000	2,410,000	8,010,000

Note: Total numbers of ATVs and off-highway motorcycles were not estimated separately in 1993.

Source: Data presented by permission of Kathy Van Kleeck. Motorcycle Industry Council. *Retail Sales Reports*. Based on actual sales registrations from Arctic Cat, Bombardier, Honda, Kawasaki, KTM, Polaris, Suzuki, and Yamaha. Off-highway includes dual motorcycles. ATV unit population is from U.S. Consumer Product Safety Commission, *2001 All-Terrain Vehicle ATV Exposure Survey*. Off-highway motorcycle population is from Motorcycle Industry Council, *2003 Motorcycle Statistical Annual*. Further use or publication prohibited without permission.

According to the MIC reports, OHV annual sales more than tripled between 1995 and 2003, to more than 1.1 million vehicles sold in 2003. ATVs continue to account for more than 70 percent of the OHV market. The population of OHVs in the U.S. grew nearly as fast, increasing 174 percent between 1993 and 2003. In just ten years, the number of OHVs has grown from fewer than 3 million vehicles to more than 8 million in 2003. Similar to annual sales, the number of ATVs existing in the United States represents about 70 percent of the total number of OHVs, not counting 4-wheel drive vehicles. Sales and population of Sport Utility Vehicles and other 4-wheel drive jeeps and automobiles are undoubtedly much higher than ATVs and off-highway

motorcycles. Their popularity has continued to grow among American consumers, although sales figures to document that trend are not readily available. In any event, the burgeoning recreational use of OHVs in the United States is reflected in these statistics.

The Stakeholders

As with many public land management issues, conflicts exist among forest users regarding motorized recreation. One issue dividing various interest groups appears to be access rights for OHV users and protection of wildland and wilderness areas. Legal precedent, user rights and concern for the future are the bases for positions on both sides of this issue. Debates around it are often passionate and emotional.

A major OHV advocacy group, the BlueRibbon Coalition, has links to no less than 234 websites for reference and information on its own highly organized and in-depth website (www.sharetrails.org). The organization claims the position of *Preserving our Natural Resources FOR the public instead of FROM the public*. Website information provides relevant legal issues and actions, research papers and documents, and a BlueRibbon Coalition Visa® Credit Card is offered.

The Wildlands Coalition to Prevent Roads (Wildlands CPR)(www.wildlandscpr.org), on the other hand, is indicative of the many organizations that oppose unmanaged OHV use, especially on ecologically sensitive lands. Other wilderness watch groups concerned about ecological integrity primarily include The Wilderness Society, Natural Trails and Waters Coalition, The Bluewater Network and Georgia Forestwatch, among many others.

It should be noted that while the positions of special interest groups may differ, they typically share the concern that OHV use be carried out responsibly. Differences usually pertain to specific issues and access.

Other organizations and groups highly interested in policy formulation include the numerous OHV rider clubs, environmental groups, private property owners, and a wide variety of outdoor recreation enthusiasts. These include backpackers, photographers, birders, other wildlife observers, hunters, equestrians, mountain bikers, climbers and hikers, as well as others. The recreational experiences that many people seek in natural environments are sometimes incompatible with OHV and other motorized recreational uses. The challenge for public land managers is to address the needs and conflicting expectations of millions of people who use and enjoy the National Forests, while providing for the long-term sustainability of National Forest lands.

Location

Currently, there is a wide range of areas designated for off-highway vehicle use throughout the United States. These include a growing supply of private areas, such as New York's Trail Pass system, privately owned but publicly managed areas such as West Virginia's Hatfield-McCoy

Trails (added to the National Recreation Trails System June 5th, 2004) and numerous city, county and state managed areas, such as California's State Vehicular Recreation areas. A private example is TrailPass MidSouth, a company supported solely by its riders and affiliated clubs and dealers. This company arranges access with private land owners and manages a system of daily and annual fee passes to use trails on these lands. The amount of state and locally provided opportunities may range from ample to none, depending on which state one is observing. Federal agencies such as the Bureau of Land Management and the US Forest Service provide the majority of opportunities for OHV use and the demand for such use is growing rapidly in the face of limited other opportunities. The National Park Service limits access. Use is concentrated primarily over sand routes on National Seashores in the continental U.S. There is significant use in Alaskan national parks.

Many conflicts concern the incidence of unmanaged OHV use and the resulting unauthorized roads and trails in undesignated areas. Cross-country trails created by repeated use can be seen on many of the state and federal lands across the country. These unauthorized and unmanaged trails have attracted significant amounts of press and a variety of attention from both users and resource managers. Frequently the attention is contentious.

Data Source, the National Survey on Recreation and the Environment (NSRE)

The National Survey on Recreation and the Environment (NSRE) is a general population, random-digit-dialed household telephone survey designed to measure the outdoor recreation and environmental behavior and attitudes of Americans age 16 and older. The NSRE is co-sponsored by the USDA Forest Service, the USDC National Oceanic and Atmospheric Administration, the University of Georgia, the University of Tennessee, and a number of other agencies and interests. Between the fall of 1999 and late 2004, more than 81,000 people were interviewed for the NSRE. The NSRE is the eighth in a series of national recreation surveys that began in 1960. The survey was divided into 18 separate versions, each of which included different recreation activities and environmental issues. The 'core' of the NSRE asked about recreational activity participation and personal demographics. All but two of the 18 versions included the following question:

Did you drive off-road for recreation using a 4-wheel drive, ATV, or motorcycle?

All together, nearly 74 thousand people age 16 or older responded to this NSRE question. The focus was on participation in the off-road driving within the past 12 months. Since the wording above referring to "off-road driving" is how it had been asked in our previous national surveys, it was kept for consistency across time. For this report, **off-road and off-highway will be considered the same activity**, although definitions of a road and a highway often differ.

The large sample size provides for sound statistical estimates, not only for the nation, but also for regions and states. No state had fewer than 500 respondents. The sample was also spread fairly evenly during each year between 1999 and late 2004 to allow tracking of short-term trends in recreation participation, including OHV participation.

The purpose of this report is to describe OHV recreational use in the United States, the OHV users, and trends in OHV recreation. Such information gives resource managers and planners a better understanding of the growth of OHV participation in the United States such as where, by whom, and how often it occurs. As a general household survey, however, the NSRE does not provide information on OHV site or location characteristics, nor does it address the preferences of OHV users. Asking about the frequency of OHV use in number of days in the past 12 months was limited to a much smaller sample than the general OHV participation question. In addition to participation estimates, this report also presents five identifiable OHV market segments. These segments describe groupings of OHV users who have similar demographic characteristics and recreational activity preferences.

The report is organized into three sections with an extensive appendix containing detailed tables. Section I presents an overview of national OHV trends and population-wide participation. Particular attention is paid in this section to describing the demographic characteristics of OHV users. Section II takes the analysis a step further by examining OHV users and participation across five regions of the country. Included also is a brief look at state-by-state participation statistics. Greater detail concerning OHV users in each state is provided in the appendix. The final section, Section III, presents the results of a market segmentation analysis which identifies five generalized groups of OHV users and the similarities that the members within each group share.

Section I – National Off-Highway Vehicle (OHV) Participation Statistics

Trend Overview

As the U.S. population grows, so too does demand for outdoor recreation. Demand for OHV driving and riding has especially grown in recent years. In 1960, when the first U. S. National Recreation Survey was done for the Outdoor Recreation Resources Review Commission, off-highway motorized recreation was not even on the “radar” as a recreational activity. There were, of course, many people who rode motorcycles on back country trails and used 4-wheel-drive vehicles (such as jeeps) to gain access to the back country, with and without roads. But there was no recognition of off-highway motorized recreation (then referred to as off-road driving) as a population-wide outdoor activity. OHV use is widely recognized now as one of the fastest growing outdoor activities.

From 1982 to 2000-01, driving motor vehicles ‘off-road’ became one of the fastest growing activities in the country, growing in number of participants over 12 years old by more than 100 percent (Cordell et al. 2004, p. 37). (The 1982 national survey asked about participation by people age 12 and older, so the 2000-2001 results, which focused on persons 16 or older, had to be adjusted to allow a direct comparison. Earlier surveys also used the terminology “off road” to describe motorized use. For this report, we will refer to “off-highway” use to capture a broader band of uses including backcountry roads, trails and cross country riding.) Growth in OHV driving between an earlier NSRE conducted in 1994-1995 and the time when the next round of NSRE data were collected, between fall 1999 and summer 2000, showed a 32-percent increase. This represented growth from about 27.3 million OHV users in 1994-1995 to about 36.0 million in 1999-2000 (Cordell et al. 2004, p. 71). A slightly higher growth rate continued from 1999-2000 to the most recent NSRE interviewing period in late 2004. The proportion of people age 16 and older who said they participated in OHV recreation increased from 16.8 percent in 1999-2000 to 23.8 percent in 2003-2004 (Table 2). This resulted in growth in the number of OHV participants during that time period from 36.0 million to 51.0 million, a 42 percent increase (Table 3). While statistical surveys are always subject to sampling error, the sizeable sample sizes in each of the five interviewing seasons assures small standard errors and hence, relatively precise estimates. (The season with the smallest sample size, 2003-2004, has the least precise estimate.) Further, there has been a consistent upward trend in the five interviewing periods between 1999 and 2004. Based on the latest season, nearly 1-in-4 Americans (23.8 percent) age 16 and older participated one or more times in OHV recreation within the past year. A more conservative estimate uses the combined or pooled NSRE 1999-2004 sample of more than 73,000 individuals to arrive at an estimate of 39.7 million OHV participants (Table 3), 18.6 percent of the population (Table 2), or almost 1-in-5 people age 16 and older.

Given the rapid growth in the activity of OHV driving for recreation, it seems important to better understand who the OHV participants are and how their demographic profile has been changing.

As will be noted in assessing use and user characteristics, most participants have been and continue to be under 50, male, White and urban. But, across all demographic groups, the number of people participating has been increasing. Increasing especially rapidly were participants who were 30-50 years old, female, Hispanic, and urban. As participation in the OHV activity rises over time, it will be important to track the changing makeup of OHV participants.

Trends by Demographic Characteristic

Tables 2 and 3 show the percent of the population that participated in OHV recreation and the estimated number of participants, respectively, by demographic group across successively more recent interviewing seasons. (Table A.1 in the Appendix lists the sample size of each demographic cell.) The population of each demographic stratum appears in the first column of both tables 2 and 3. The participation rate and numbers of participants for the combined 1999-2004 survey periods appear in the last column, "Pooled Sample all Years". The participation percentages for each row may be compared to the overall national rate (18.6 percent) in row 1 of Table 2. The rows in Table 3 show the thousands of participants from each demographic stratum and may be compared to the national total in row 1 to approximate each stratum's proportion of the national total of 39.7 million OHV participants. (Strata estimates do not sum exactly to the national total due to the effect of sampling weights. See also the footnotes in Tables 2 and 3.)

Among all the strata, only American Indians and Asian/Pacific Islanders showed a decrease in participation between fall 1999 and late 2004 (as well, these two strata had the two smallest overall sample sizes). Two other strata—persons holding a post-graduate degree and those with family incomes over \$150,000—showed modest gains in participation over the five-year period (Table 2). Every other demographic stratum, however, showed significant increases in OHV participation between 1999 and 2004 that mirrored the national growth rate of 42 percent. Though a larger share of people under age 30 participate than people over age 30, the 30-50 year age group added more participants. At a 51-percent growth rate, 30-50 year old's participation increased from 15.5 million to 23.4 million (Table 3). The rate of growth between 1999 and 2004 was higher for females than males, but males added more OHV users since they accounted for about 60 percent of all users.

White Americans added more OHV participants than any other racial or ethnic group. This group comprises about 72 percent of the 16 and older U. S. population. But Hispanic participation grew at by far the fastest percentage rate, more than doubling between 1999 and 2004. The Black participation growth rate also outpaced that of Whites, growing 50 percent compared to 36 percent for Whites. The two family income categories with the largest growth rates were the \$75,000 to \$100,000 and \$25,000 to \$49,999, both increasing more than 50 percent. The latter group added the most users, however, mainly because there are larger numbers of people in this income category.

People with less than a high school education contributed significantly to the growth in numbers of OHV participants, increasing 79 percent between 1999 and 2004. This was also the largest growth in absolute number among the education strata, adding 4.8 million participants. Those

with ‘some college or technical school’ were next adding 4.0 million. Finally, OHV growth for both metropolitan and non-metropolitan residents closely approximated the national growth rate. Twice as many of the ‘new’ users were from metropolitan areas as compared to non-metropolitan areas. However, the share of all OHV participants who live in metro areas (73 percent) is smaller than the proportion of all metropolitan residents in the United States (80 percent).

Table 2—Estimated percentages of the U.S. population age 16 and older participating in off-highway vehicle recreation, by demographic category and interview season, 1999-2004.

Demo-graphic	Strata	Population (1000s)	Fall '99-Summer '00	Fall '00-Summer '01	Fall '01-Summer '02	Fall '02-Summer '03	Fall '03-Fall '04	Pooled sample all years
All Groups	All people age 16 & older	214,022.2	16.8	17.0	18.6	22.8	23.8	18.6
Age	Under 30	53,760.4	26.9	27.3	27.3	33.9	34.8	28.7
	30-50	88,270.2	17.6	17.3	20.5	23.8	26.5	19.6
	51 & older	71,991.6	8.1	8.1	9.4	11.7	12.8	9.2
Gender	Male	103,620.3	21.3	22.1	22.9	28.2	30.1	23.5
	Female	110,401.9	12.8	12.6	14.6	17.9	18.2	14.2
Race/ethnicity	White	153,362.7	19.1	19.5	22.0	24.0	25.9	21.0
	Black	24,126.5	11.0	12.2	11.7	18.3	16.5	12.9
	American Indian	1,440.9	26.2	22.9	23.4	41.7	20.6	26.3
	Asian/Pacific Islander	8,126.5	15.5	11.2	16.1	14.5	10.0	13.9
	Hispanic	23,855.4	11.8	11.5	10.1	23.4	24.0	13.3
Annual family income	\$25,000 or less	36,355.0	13.3	14.0	14.0	16.9	19.1	14.5
	\$25,000 to \$49,999	50,871.3	16.8	16.1	20.1	23.7	25.2	18.7
	\$50,000 to \$74,999	39,006.3	18.8	19.6	20.4	25.0	25.0	20.7
	\$75,000 to \$99,999	21,855.8	18.0	18.9	20.8	25.6	27.7	20.9
	\$100,000 to \$149,999	16,894.2	18.8	17.7	17.8	24.2	23.2	19.4
	\$150,000 or more	10,006.2	21.9	21.0	18.4	22.9	23.0	21.1
Education	Less than high school	41,937.5	14.5	17.4	17.0	25.9	26.0	18.1

Demographic	Strata	Population (1000s)	Fall '99-Summer '00	Fall '00-Summer '01	Fall '01-Summer '02	Fall '02-Summer '03	Fall '03-Fall '04	Pooled sample all years
	High school graduate	59,044.1	18.3	18.1	20.6	23.6	24.0	19.9
	Some college/tech. school	59,377.5	19.4	19.0	20.8	23.2	26.1	20.6
	Bachelor's degree	29,845.8	15.1	13.9	17.4	20.9	19.8	16.5
	Post-graduate degree	16,060.6	14.0	11.4	12.6	13.8	17.7	13.2
Place of residence	Non-metropolitan	40,862.7	23.3	24.0	25.8	31.5	32.5	26.1
	Metropolitan	170,076.7	15.4	15.5	16.7	20.8	21.0	16.8

Source: 2000 Census of Population and Housing. Summary Files 1 (age, gender, race/ethnicity, residence) and 3 (education, income). NSRE 1999-2004. Versions 1-18, except 3 and 6. Note: Hispanics may be of any race but are included in only the 'Hispanic' category.

Table 3—Estimated number of people age 16 and older (in 1000s) in the U.S. participating in off-highway vehicle recreation, by demographic category and interview season, 1999-2004.

Demographic	Strata	Population (1000s)	Fall '99-Summer '00	Fall '00-Summer '01	Fall '01-Summer '02	Fall '02-Summer '03	Fall '03-Fall '04	Pooled sample all years
All Groups	All people age 16 & older	214,022.2	35,976.6	36,369.9	39,801.0	48,874.3	51,006.5	39,747.8
Age	Under 30	53,760.4	14,455.0	14,685.3	14,671.3	18,238.7	18,724.1	15,425.1
	30-50	88,270.2	15,536.6	15,296.0	18,104.0	21,026.4	23,361.0	17,267.0
	51 & older	71,991.6	5,822.0	5,818.2	6,793.6	8,438.8	9,242.8	6,647.7
Gender	Male	103,620.3	22,091.4	22,924.0	23,720.2	29,240.2	31,237.3	24,323.8
	Female	110,401.9	14,096.6	13,884.7	16,112.5	19,716.6	20,128.7	15,650.5
Race/ethnicity	White	153,362.7	29,329.7	29,901.7	33,664.8	36,835.0	39,656.9	32,266.9
	Black	24,126.5	2,658.4	2,953.9	2,829.9	4,407.7	3,984.4	3,122.4
	American Indian	1,440.9	377.1	330.5	337.7	600.2	296.5	378.6
	Asian/Pacific Islander	8,126.5	1,260.7	911.4	1,310.3	1,180.2	809.7	1,126.8
	Hispanic	23,855.4	2,819.8	2,736.6	2,405.4	5,579.6	5,727.7	3,176.5

Demo-graphic	Strata	Population (1000s)	Fall '99-Summer '00	Fall '00-Summer '01	Fall '01-Summer '02	Fall '02-Summer '03	Fall '03-Fall '04	Pooled sample all years
Annual family income	\$25,000 or less	36,355.0	4,835.8	5,074.8	5,076.0	6,132.4	6,928.3	5,266.1
	\$25,000 to \$49,999	50,871.3	8,531.8	8,198.2	10,203.7	12,067.6	12,830.6	9,493.3
	\$50,000 to \$74,999	39,006.3	7,323.9	7,632.6	7,974.2	9,770.3	9,765.4	8,090.6
	\$75,000 to \$99,999	21,855.8	3,936.9	4,132.4	4,547.8	5,590.5	6,054.3	4,568.8
	\$100,000 to \$149,999	16,894.2	3,177.3	2,994.4	3,012.8	4,096.8	3,921.9	3,274.9
	\$150,000 or more	10,006.2	2,189.0	2,103.5	1,840.7	2,287.6	2,303.7	2,110.8
Education	Less than high school	41,937.5	6,081.3	7,286.6	7,148.5	10,858.5	10,916.7	7,575.4
	High school graduate	59,044.1	10,799.2	10,676.3	12,156.7	13,958.5	14,174.5	11,721.7
	Some college/tech. school	59,377.5	11,516.8	11,289.4	12,322.4	13,755.4	15,492.3	12,246.6
	Bachelor's degree	29,845.8	4,511.9	4,142.1	5,189.3	6,249.0	5,923.8	4,916.8
	Post-graduate degree	16,060.6	2,249.6	1,833.0	2,026.5	2,213.5	2,844.3	2,122.3
Place of residence	Non-metropolitan	40,862.7	9,528.1	9,812.9	10,541.0	12,882.4	13,260.6	10,646.5
	Metropolitan	170,076.7	26,137.1	26,344.3	28,458.1	35,346.0	35,641.0	28,570.2

Source: 2000 Census of Population and Housing. Summary Files 1 (age, gender, race/ethnicity, residence) and 3 (education, income). NSRE 1999-2004. Versions 1-18, except 3 and 6. Note: Hispanics may be of any race but are included in only the 'Hispanic' category.

Trends in Annual OHV Activity Days

In three of the 16 versions of the 1999-2004 NSRE that asked respondents if they had participated in OHV recreation during the past 12 months, a follow-up question was asked: *On how many different days did you drive off-road?* The total number of individuals responding to this question was 2,875. Of these, 1,650 were interviewed in 2001 and 1,225 were interviewed in 2003. (See Appendix Table 2 for sample size for both years and by demographic strata.)

Combining all of the interviews, the average (mean) number of activity days per year by all OHV participants was 26.6 (line 1 of Table 4). Though the trend information is very short-term, the increase in mean days (about 32 percent) between 2001 and 2003 mirrored the growth in the total number of OHV participants between 1999 and 2004.

American Indians and Asians/Pacific Islanders lacked a sufficient sample size to estimate annual activity days by year. (A number of the other minor strata also had relatively small sample sizes. See Appendix Table 3 for 95 percent confidence intervals around the full sample mean of annual days.) By age group, mean OHV days stayed constant for people age 51 and older, but increased for people 50 and under, especially for those under 30 (Table 4). Both males and females showed steady increases, with males participating about four more days per year, on average. Activity days for white Americans increased about 25 percent and for Hispanics about 15 percent. The very large gain in annual OHV days by Blacks was influenced by the sample size of just 115 people, resulting in very wide confidence intervals around the two yearly estimates. While average days dipped slightly for people whose family income was \$25,000 to \$49,999 and for those earning more than \$100,000, they rose for people earning \$50,000 to \$100,000. Average days per year rose especially for people earning \$25,000 or less. People who earned a post-graduate degree participated fewer days during 2003 than in 2001, while those attending some college or earning a bachelor's degree stayed fairly constant at between 20 and 25 days. The two least educated strata, however, saw significant increases in annual days, especially people with less than a high school education, as their mean days increased from about 23 to 40 per year. Metropolitan residents saw a much larger increase in annual days than non-metropolitan residents, although in both years combined, non-metro dwellers participated about 8 more days per year on average than metro residents.

Table 4—Mean annual activity days for people age 16 and older who participated in off-highway vehicle use, by year of interview and demographic strata, 2001 and 2003.

Demographic	Strata	Population in 2000 (1000s)	Days in 2001	Days in 2003	Both Years Combined
All Groups	All people age 16 & older	214,022.2	23.3	30.7	26.6
Age	Under 30	53,760.4	22.1	34.1	27.4
	30-50	88,270.2	24.0	30.2	26.6
	51 & older	71,991.6	23.7	23.4	23.6
Gender	Male	103,620.3	25.4	32.5	28.4
	Female	110,401.9	19.7	28.1	23.6
Race/ethnicity	White	153,362.7	25.0	31.0	27.5
	Black	24,126.5	13.6	50.0	29.5
	American Indian	1,440.9	.	.	38.0
	Asian/Pacific Islander	8,126.5	.	.	.
	Hispanic	23,855.4	15.8	18.0	17.1
Annual family income	\$25,000 or less	36,355.0	20.3	50.7	34.0
	\$25,000 to \$49,999	50,871.3	25.5	23.7	24.7
	\$50,000 to \$74,999	39,006.3	21.9	29.6	25.4
	\$75,000 to \$99,999	21,855.8	14.4	31.2	22.3
	\$100,000 to \$149,999	16,894.2	30.0	22.7	26.7
	\$150,000 or more	10,006.2	33.4	29.0	31.2

Demographic	Strata	Population in 2000 (1000s)	Days in 2001	Days in 2003	Both Years Combined
Education	Less than high school	41,937.5	23.0	39.6	30.6
	High school graduate	59,044.1	24.8	35.6	29.2
	Some college/tech. school	59,377.5	23.3	24.4	23.8
	Bachelor's degree	29,845.8	20.3	22.5	21.5
	Post-graduate degree	16,060.6	24.6	20.6	22.9
Place of residence	Non-metropolitan	40,862.7	32.2	34.2	33.0
	Metropolitan	170,076.7	20.1	29.5	24.3

Source: 2000 Census of Population and Housing. Summary Files 1 (age, gender, race/ethnicity, residence) and 3 (education, income). NSRE 1999-2004. Versions 8, 10, and 15. Annual days of Off-Highway Vehicle use was asked only in these NSRE versions which occurred during 2001 (Ver. 8, 10) and 2003 (Ver. 15). Sample sizes: 2001=1,650; 2003=1,225; Combined=2,875. Hispanics may be of any race but are included in only the 'Hispanic' category. Missing values in the table indicate an insufficient sample size to estimate a mean.

Section II – Regional and State Off-Highway Vehicle (OHV) Participation

Regional OHV Participation

Another important aspect of OHV recreation in the United States, in addition to describing the trends and characteristics of users, is the question of *where* OHV use is occurring. Nationwide, just under 19 percent of the population age 16 and older participated in OHV recreation one or more times during the year prior to their being interviewed. As expected, a considerable amount of variation exists in OHV participation across different regions of the country and even more so from state-to-state. Regions and states with relatively more public land (especially federal) and more undeveloped, private rural land provide more opportunities for OHV recreation. One would expect greater levels of opportunities to be reflected in greater levels of participation across regions and states. The same analysis of OHV participation by demographic category that was performed on the full national-level NSRE data set was repeated for five regions of the U. S. and for all 50 states. Regions were defined as:

North: Connecticut, Delaware, District of Columbia, Illinois, Indiana, Maine, Maryland, Massachusetts, Michigan, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, Vermont, West Virginia, Wisconsin.

South: Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia.

Midwest: Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota.

West: Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, Wyoming.

Pacific: Alaska, California, Hawaii, Oregon, Washington.

OHV participation rates ranged from a low of 16.3 percent in the North region to 27.3 percent in the West (Table 5). The Pacific was closest to the national rate with 18.4 percent participating. The Midwest and South both exceeded the national percentage. Despite the North's lower rate of participation, it still accounted for just over one-third of the 39.7 million U.S. OHV users due to its population. A nearly identical number of OHV users, 13.3 million, live in the South. The South is second largest in terms of population and together with the North comprises 71 percent of the U.S. population. These two eastern regions make up slightly more than 67 percent of OHV users nationwide. The West has the largest proportion of people who are OHV users by a wide margin, but with just 6.4 percent of the population 16 or older it has an estimated 9.3 percent of all users. The Midwest, with a similar share of the U. S. population, has a slightly smaller percentage of OHV users than the West. The Pacific region has approximately 16 percent of both the U.S. population and OHV users.

Table 5—Percent of population and estimated number of people age 16 and older participating in off-highway vehicle recreation and percent of U.S. total, by Region, 1999-2004.

Region	Population age 16 & older (1000s)	Percent of U.S. population age 16 & older	Sample size	Percent participating in OHV recreation	OHV Participants (1000s)	Percent of Total U.S. Participants
North	82,179.7	38.4	26,417	16.3	13,430.1	33.8
South	69,877.9	32.6	25,941	19.1	13,328.6	33.5
Midwest	14,635.0	6.8	6,829	21.0	3,077.7	7.7
West	13,590.5	6.4	5,851	27.3	3,709.2	9.3
Pacific	33,739.2	15.8	8,637	18.4	6,202.2	15.6
	214,022.3	100.0	73,675	18.6	39,747.8	99.9

Source: NSRE 1999-2004. Versions 1-18, except 3 and 6.

State OHV Participation

Table 6 lists the 50 states in alphabetical order with their respective population size, percentage, sample size, OHV participation rate, estimated number of OHV participants, and the proportion that each state contributes to the national total of 39.7 million OHV users. Participation rates range from a low of 10.6 percent in the District of Columbia to a high of 34.5 percent in West Virginia. West Virginia and Maine are the only two eastern states among the top 10 in OHV participation percentage nationwide (Table 7). Among these top 10 states are South Dakota and Wisconsin (which are in the Midwest); the other six are in the West and Pacific regions. These top states are mostly sparsely populated (less than 7 percent of the U. S. population 16 or older) so they only account for just slightly more than 10 percent of the total number of U. S. OHV users.

Table 6—Percent of population and estimated number of people age 16 or older participating in off-highway vehicle recreation and percent of U.S. total, listed alphabetically by state, 1999-2004.

Name	Population age 16 & older (1000s)	Percent of U.S. population age 16 & older	Sample size	Percent in state participating in OHV recreation	OHV Participants (1000s)	Percent of Total U.S. Participants
Alabama	3,401.9	1.6	2,358	22.1	753.9	1.9
Alaska	451.1	0.2	519	32.9	148.7	0.4
Arizona	3,851.3	1.8	1,023	25.5	982.7	2.5
Arkansas	2,042.8	1.0	1,097	25.4	520.5	1.3
California	25,230.6	11.8	5,347	17.2	4,351.3	10.9
Colorado	3,274.6	1.5	1,026	26.7	877.1	2.2
Connecticut	2,613.3	1.2	936	14.3	373.3	0.9
Delaware	601.5	0.3	513	14.4	86.6	0.2
District of Columbia	461.8	0.2	503	10.6	49.1	0.1

Name	Population age 16 & older (1000s)	Percent of U.S. population age 16 & older	Sample size	Percent in state participating in OHV recreation	OHV Participants (1000s)	Percent of Total U.S. Participants
Florida	12,558.3	5.9	2,782	14.2	1,781.4	4.5
Georgia	6,160.7	2.9	2,916	20.3	1,253.2	3.2
Hawaii	935.5	0.4	571	12.3	114.9	0.3
Idaho	955.2	0.4	642	33.5	320.8	0.8
Illinois	9,393.1	4.4	2,367	14.0	1,320.6	3.3
Indiana	4,615.0	2.2	1,444	15.8	728.0	1.8
Iowa	2,248.2	1.1	995	16.8	377.4	0.9
Kansas	2,028.8	0.9	980	19.0	385.5	1.0
Kentucky	3,115.8	1.5	1,470	24.2	753.9	1.9
Louisiana	3,346.0	1.6	1,318	19.7	661.2	1.7
Maine	995.7	0.5	648	26.8	267.1	0.7
Maryland	4,026.5	1.9	1,257	14.3	577.6	1.5
Massachusetts	4,935.9	2.3	1,388	13.1	648.8	1.6
Michigan	7,518.3	3.5	2,106	19.9	1,499.3	3.8
Minnesota	3,728.3	1.7	1,265	23.9	893.4	2.2
Mississippi	2,129.1	1.0	1,390	23.2	494.4	1.2
Missouri	4,269.6	2.0	1,583	21.1	901.4	2.3
Montana	691.3	0.3	619	29.1	201.1	0.5
Nebraska	1,296.0	0.6	780	18.1	235.1	0.6
Nevada	1,515.8	0.7	624	23.8	360.8	0.9
New Hampshire	946.8	0.4	570	19.7	186.6	0.5
New Jersey	6,451.2	3.0	1,603	12.7	819.2	2.1
New Mexico	1,350.4	0.6	689	25.6	345.9	0.9
New York	14,584.2	6.8	3,353	13.1	1,915.8	4.8
North Carolina	6,200.6	2.9	2,382	20.7	1,288.1	3.2
North Dakota	494.9	0.2	603	25.8	127.8	0.3
Ohio	8,663.0	4.0	2,358	15.6	1,356.4	3.4
Oklahoma	2,627.6	1.2	1,140	24.1	632.9	1.6
Oregon	2,634.8	1.2	930	22.0	581.5	1.5
Pennsylvania	9,554.4	4.5	2,474	19.3	1,844.0	4.6
Rhode Island	815.6	0.4	569	11.5	94.0	0.2
South Carolina	3,070.3	1.4	1,415	18.9	581.0	1.5
South Dakota	569.1	0.3	623	27.4	156.2	0.4
Tennessee	4,382.0	2.0	2,353	20.1	880.8	2.2
Texas	15,393.2	7.2	3,602	16.6	2,551.9	6.4
Utah	1,575.5	0.7	718	31.1	490.0	1.2
Vermont	472.4	0.2	514	18.8	88.9	0.2
Virginia	5,449.8	2.5	1,718	21.5	1,173.7	3.0

Name	Population age 16 & older (1000s)	Percent of U.S. population age 16 & older	Sample size	Percent in state participating in OHV recreation	OHV Participants (1000s)	Percent of Total U.S. Participants
Washington	4,487.1	2.1	1,270	22.5	1,010.9	2.5
West Virginia	1,434.4	0.7	1,034	34.5	496.0	1.2
Wisconsin	4,096.8	1.9	2,780	26.3	1,079.7	2.7
Wyoming	376.4	0.2	510	33.8	127.4	0.3

Source: NSRE 1999-2004. Versions 1,2, 4, 5 and 7 - 18.

Table 7—Population and estimated number of participants ordered from highest to lowest by percentage of population participating in off-highway vehicle recreation in the top 10 states.

Name	Population age 16 & older (1000s)	Percent of U.S. population age 16 & older	Sample size	Percent of population participating in OHV recreation	OHV Participants (1000s)	Percent of Total U.S. Participants
West Virginia	1,434.4	0.7	1,034	34.5	496.0	1.2
Wyoming	376.4	0.2	510	33.8	127.4	0.3
Idaho	955.2	0.4	642	33.5	320.8	0.8
Alaska	451.1	0.2	519	32.9	148.7	0.4
Utah	1,575.5	0.7	718	31.1	490.0	1.2
Montana	691.3	0.3	619	29.1	201.1	0.5
South Dakota	569.1	0.3	623	27.4	156.2	0.4
Maine	995.7	0.5	648	26.8	267.1	0.7
Colorado	3,274.6	1.5	1,026	26.7	877.1	2.2
Wisconsin	4,096.8	1.9	2,780	26.3	1,079.7	2.7
Totals	14,420.1	6.7	9,119		4,164.1	10.4

Source: NSRE 1999-2004. Versions 1-18, except 3 and 6.

Eight of the 10 states with the lowest participation rates are in the East (Table 8). Only Hawaii and Illinois are outside that region. These 10 states, which include New York and Florida, make up about 27 percent of the U. S. population age 16 and older and slightly more than 19 percent of OHV users in the country. Not surprisingly, the 10 states with the largest populations also have the most OHV users (Table 9). California has 4.35 million OHV users accounting for almost 11 percent of the U. S. total. This is more than 1.5 times the number of participants in second-ranked Texas. The 10 states with the largest number of participants account for 54 percent of the nation's population age 16 and older and 48 percent of its OHV users. Likewise, the 10 states with the smallest populations—all less than 1 million people age 16 and older—account for a very small proportion of OHV users in the United States (just 2.9 percent) (Table 10). Five of those states are in the western regions, and five (including DC) are in the East.

Table 8—Population and estimated number of participants ordered from lowest to highest by percentage of population participating in off-highway vehicle recreation in the bottom 10 states.

Name	Population age 16 & older (1000s)	Percent of U.S. population age 16 & older	Sample size	Percent participating in OHV recreation	OHV Participants (1000s)	Percent of Total U.S. Participants
District of Columbia	461.8	0.2	503	10.6	49.1	0.1
Rhode Island	815.6	0.4	569	11.5	94.0	0.2
Hawaii	935.5	0.4	571	12.3	114.9	0.3
New Jersey	6,451.2	3.0	1,603	12.7	819.2	2.1
Massachusetts	4,935.9	2.3	1,388	13.1	648.8	1.6
New York	14,584.2	6.8	3,353	13.1	1,915.8	4.8
Illinois	9,393.1	4.4	2,367	14.0	1,320.6	3.3
Florida	12,558.3	5.9	2,782	14.2	1,781.4	4.5
Connecticut	2,613.3	1.2	936	14.3	373.3	0.9
Maryland	4,026.5	1.9	1,257	14.3	577.6	1.5
	56,775.4	26.5	15,329		7,694.7	19.3

Source: NSRE 1999-2004. Versions 1-18, except 3 and 6.

Table 9—Population and estimated number of participants ordered from highest to lowest by the number of off-highway vehicle recreation participants in the top 10 states.

Name	Population age 16 & older (1000s)	Percent of U.S. population age 16 & older	Sample size	Percent participating in OHV recreation	OHV Participants (1000s)	Percent of Total U.S. Participants
California	25,230.6	11.8	5,347	17.2	4,351.3	10.9
Texas	15,393.2	7.2	3,602	16.6	2,551.9	6.4
New York	14,584.2	6.8	3,353	13.1	1,915.8	4.8
Pennsylvania	9,554.4	4.5	2,474	19.3	1,844.0	4.6
Florida	12,558.3	5.9	2,782	14.2	1,781.4	4.5
Michigan	7,518.3	3.5	2,106	19.9	1,499.3	3.8
Ohio	8,663.0	4.0	2,358	15.6	1,356.4	3.4
Illinois	9,393.1	4.4	2,367	14.0	1,320.6	3.3
North Carolina	6,200.6	2.9	2,382	20.7	1,288.1	3.2
Georgia	6,160.7	2.9	2,916	20.3	1,253.2	3.2
	115,256.4	53.9	29,687		19,162.0	48.1

Source: NSRE 1999-2004. Versions 1-18, except 3 and 6.

Table 10—Population and estimated number of participants ordered from lowest to highest by the number of off-highway vehicle recreation participants in the bottom 10 states.

Name	Population age 16 & older (1000s)	Percent of U.S. population age 16 & older	Sample size	Percent participating in OHV recreation	OHV Participants (1000s)	Percent of Total U.S. Participants
District of Columbia	461.8	0.2	503	10.6	49.1	0.1
Delaware	601.5	0.3	513	14.4	86.6	0.2
Vermont	472.4	0.2	514	18.8	88.9	0.2
Rhode Island	815.6	0.4	569	11.5	94.0	0.2
Hawaii	935.5	0.4	571	12.3	114.9	0.3
Wyoming	376.4	0.2	510	33.8	127.4	0.3
North Dakota	494.9	0.2	603	25.8	127.8	0.3
Alaska	451.1	0.2	519	32.9	148.7	0.4
South Dakota	569.1	0.3	623	27.4	156.2	0.4
New Hampshire	946.8	0.4	570	19.7	186.6	0.5
	6,125.1	2.8	5,495		1,180.2	2.9

Source: NSRE 1999-2004. Versions 1-18, except 3 and 6.

OHV Demographic Characteristics by Region

This section briefly describes the percentages of people age 16 and older participating in OHV recreation by demographic characteristics in each of the five major regions of the country. (See Appendix Table 4 for participation rates by user demographics for each of the 50 states. Appendix Table 5 has sample sizes by region and Appendix Table 6 has sample sizes for each state.)

North: About 16 percent, or 13.4 million, of the North's 82 million people age 16 and older participated in OHV recreation at least once during the 12 months prior to their being interviewed (Table 11). Participation percentages and numbers fall significantly among older members of the population. About one-quarter of people under age 30 participated compared to just 8 percent of people age 51 and older. The middle age group is very similar to the overall national participation rate. Males (about 1-in-5) were considerably more likely to participate than females (about 1-in-8). The smallest ethnic group by far in population, American Indians, had the highest participation rate (almost 1-in-4). White participation was the second-highest at about 18 percent. Individuals with family incomes of \$25,000 or less were less likely to participate in OHV recreation (about 13 percent) than were all other income groups (around 17 percent). The most educated respondents were the least likely to be OHV users (11 percent for post-graduates), while high school graduates and those attending some college participated at close to the national rate (18 percent). People living in non-metropolitan counties in the North region were almost twice as likely (about 28 percent) to be OHV users as metropolitan residents (about 15 percent).

Table 11—Percent of population and estimated number of people age 16 and older participating in off-highway vehicle recreation, by demographic category, 1999-2004, North Region (n=26,417).

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	16.3	13,416.4
Age	Under 30	25.2	4,924.3
	30-50	18.3	6,241.1
	51 & older	7.8	2,251.0
Gender	Male	20.7	8,100.3
	Female	12.4	5,316.1
Race/ethnicity	White	17.9	11,328.5
	Black	12.3	1,154.4
	American Indian	22.5	46.6
	Asian/Pacific Islander	15.6	390.5
	Hispanic	11.1	616.6
Annual family income	\$25,000 or less	12.6	1,543.2
	\$25,000 to \$49,999	16.9	3,111.3
	\$50,000 to \$74,999	17.5	2,700.7
	\$75,000 to \$99,999	18.0	1,645.2
	\$100,000 to \$149,999	16.9	1,237.1
	\$150,000 or more	17.8	768.4
Education	Less than high school	15.6	2,283.3
	High school graduate	17.9	4,400.8
	Some college/tech. school	18.0	3,847.6
	Bachelor's degree	14.6	1,714.9
	Post-graduate degree	11.3	781.2
Place of residence	Non-metropolitan	27.6	3,208.7
	Metropolitan	14.9	10,207.7

Source: 2000 Census of Population and Housing. Summary Files 1 (age, gender, race/ethnicity, residence) and 3 (education, income). NSRE 1999-2004. Versions 1-18, except 3 and 6.

South: Just over 19 percent, or 13.3 million of the South's 70 million people over 16, were OHV participants during the survey period (Table 12). People under age 30 (30 percent) were about three times more likely to participate as people over age 50 (less than 10 percent). Almost 1-in-4 males participated compared to 14 percent of females. Whites and American Indians had the highest participation rates (22 percent) among racial and ethnic groups. People earning \$150,000 or more per year were the most likely to be OHV users (25 percent), while those earning \$25,000 or less were the least likely (15 percent). Similar to the North, the most educated individuals were least likely to be OHV participants. Non-metropolitan residents at 24 percent outpaced metropolitan residents at 18 percent.

Table 12—Percent of population and estimated number of people age 16 and older participating in off-highway vehicle recreation, by demographic category, 1999-2004, South Region (n=25,941).

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	19.1	13,315.0
Age	Under 30	30.0	5,381.6
	30-50	20.0	5,669.0
	51 & older	9.6	2,264.4
Gender	Male	24.1	8,151.8
	Female	14.3	5,163.2
Race/ethnicity	White	22.3	10,605.2
	Black	13.2	1,565.8
	American Indian	22.2	98.1
	Asian/Pacific Islander	15.5	201.1
	Hispanic	12.6	988.6
Annual family income	\$25,000 or less	14.8	2,080.6
	\$25,000 to \$49,999	19.1	3,421.1
	\$50,000 to \$74,999	22.1	2,713.0
	\$75,000 to \$99,999	21.0	1,313.0
	\$100,000 to \$149,999	18.8	849.0
	\$150,000 or more	24.7	659.8
Education	Less than high school	18.1	2,830.9
	High school graduate	20.0	3,872.3
	Some college/tech. school	21.1	3,965.7
	Bachelor's degree	17.6	1,568.9
	Post-graduate degree	15.4	698.9
Place of residence	Non-metropolitan	24.1	4,158.4
	Metropolitan	17.8	9,156.6

Source: 2000 Census of Population and Housing. Summary Files 1 (age, gender, race/ethnicity, residence) and 3 (education, income). NSRE 1999-2004. Versions 1-18, except 3 and 6.

Midwest: Twenty-one percent, or 3.1 million of the Midwest's 14.6 million residents, participated in OHV recreation (Table 13). The youngest age group (33 percent) was nearly three times more likely to participate as the oldest (12 percent). Males (27 percent) were much more likely to be users than females (15 percent), as were American Indians (34 percent) among racial and ethnic groups. Hispanics (19 percent) were considerably more likely to participate in the Midwest region than in either of the eastern regions. Participation varied relatively little by income class with the upper middle income group making \$75,000 to \$99,999 annually having the highest rate (26 percent). Similar to the eastern regions, people with the most education were least likely to be OHV users. Individuals with less than a high school education were most likely to participate (more than 1-in-4). Also, non-metropolitan residents (25 percent) participated in the Midwest at a higher rate than metropolitan dwellers (19 percent).

Table 13—Percent of population and estimated number of people age 16 and older participating in off-highway vehicle recreation, by demographic category, 1999-2004, Midwest Region (n=6,829).

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	21.0	3,074.6
Age	Under 30	32.6	1,193.3
	30-50	21.7	1,278.5
	51 & older	11.9	602.8
Gender	Male	27.4	1,945.7
	Female	15.0	1,128.9
Race/ethnicity	White	21.9	2,833.4
	Black	10.2	76.4
	American Indian	34.2	47.2
	Asian/Pacific Islander	18.8	43.2
	Hispanic	18.8	77.6
Annual family income	\$25,000 or less	18.5	408.3
	\$25,000 to \$49,999	21.2	801.6
	\$50,000 to \$74,999	20.7	611.3
	\$75,000 to \$99,999	26.1	384.5
	\$100,000 to \$149,999	21.6	205.2
	\$150,000 or more	23.0	113.2
Education	Less than high school	25.8	571.7
	High school graduate	21.7	944.2
	Some college/tech. school	21.2	938.6
	Bachelor's degree	17.3	366.7
	Post-graduate degree	10.5	98.8
Place of residence	Non-metropolitan	25.0	1,438.5
	Metropolitan	18.9	1,636.1

Source: 2000 Census of Population and Housing. Summary Files 1 (age, gender, race/ethnicity, residence) and 3 (education, income). NSRE 1999-2004. Versions 1-18, except 3 and 6.

West: The West had the highest OHV participation rate (more than 27 percent) of all five regions (Table 14), especially among young people where nearly 40 percent under age 30 were OHV users. This was three times the rate of people over age 50 (13 percent). Males living in the West were more likely to participate just as in the other regions, but in this region, the female rate of 23 percent was considerably higher than the female rate in other regions. American Indians (33 percent) and Whites (30 percent) led participation among racial and ethnic groups, but Hispanics in the West (22 percent) participated at a much higher rate than Hispanics in the two eastern regions and also at a rate higher than the Midwest Hispanic rate. All income categories participated at 20 percent or higher. People in all income groups between \$50,000 and \$150,000 participated at more than a 30-percent rate. Similarly, all education classes but post-graduates participated at more than 25 percent. Still, post-graduates in the West participated at considerably higher rates than their counterparts elsewhere in the country. More than one in

three non-metropolitan residents participated in OHV recreation as compared with one in four metropolitan residents saying they participated in OHV recreation.

Table 14—Percent of population and estimated number of people age 16 and older participating in off-highway vehicle recreation, by demographic category, 1999-2004, West Region (n=5,851).

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	27.3	3,705.4
Age	Under 30	39.2	1,453.7
	30-50	30.3	1,681.5
	51 & older	13.1	570.2
Gender	Male	31.8	2,149.3
	Female	22.8	1,556.1
Race/ethnicity	White	30.4	3,053.9
	Black	13.2	47.1
	American Indian	33.4	122.1
	Asian/Pacific Islander	4.1	12.1
	Hispanic	22.3	521.2
Annual family income	\$25,000 or less	20.2	460.5
	\$25,000 to \$49,999	25.9	901.5
	\$50,000 to \$74,999	31.5	800.1
	\$75,000 to \$99,999	36.6	495.6
	\$100,000 to \$149,999	31.9	303.5
	\$150,000 or more	27.8	145.6
Education	Less than high school	25.3	587.4
	High school graduate	27.4	936.6
	Some college/tech. school	31.3	1,373.6
	Bachelor's degree	25.4	497.4
	Post-graduate degree	21.9	215.0
Place of residence	Non-metropolitan	34.1	1,171.6
	Metropolitan	24.9	2,533.8

Source: 2000 Census of Population and Housing. Summary Files 1 (age, gender, race/ethnicity, residence) and 3 (education, income). NSRE 1999-2004. Versions 1-18, except 3 and 6.

Pacific: OHV participation in the Pacific region (18.4 percent) is virtually the same as the national rate (Table 15). The 6.2 million OHV users living in the Pacific are about 16 percent of the national total. Similar to the other regions, participation declines with age. People under age 30 are about three times more likely to participate as those over 50. Males are also significantly more likely to be OHV users than females. American Indians have the highest participation rate (33 percent) among racial and ethnic groups, just as they do in every other region but in the South. Though the Hispanic rate (12.5 percent) is the lowest, the number of Pacific Hispanic OHV users (about 963,000) is second only to Whites due to the large Hispanic population, especially in California. People with family incomes over \$50,000 all participated at about the

same rate (21 percent). Only about 14 percent of the lowest income class participated. Similar to every other region (with the exception of bachelor's degree earners in the West), the highest educated strata participated at the lowest rates. Just 13 percent of people with post-graduate degrees were OHV users compared to 21 percent of high school graduates and those attending some college or technical school. Also similar to every other region, the participation rate for non-metropolitan residents (31 percent) was much higher than for metro-area dwellers (17 percent), however, since the population in the Pacific region is more than 90 percent metropolitan, this population group dominated the OHV users accounting for about 86 percent of the 6.2 million participants.

Table 15—Percent of population and estimated number of people age 16 and older participating in off-highway vehicle recreation, by demographic category, 1999-2004, Pacific Region (n=8,637).

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	18.4	6,195.9
Age	Under 30	29.5	2,627.6
	30-50	18.0	2,584.6
	51 & older	9.5	983.7
Gender	Male	23.0	3,831.7
	Female	13.8	2,364.2
Race/ethnicity	White	23.0	4,417.8
	Black	15.9	282.7
	American Indian	33.2	95.4
	Asian/Pacific Islander	12.6	479.2
	Hispanic	12.5	962.6
Annual family income	\$25,000 or less	14.1	775.3
	\$25,000 to \$49,999	16.9	1,244.6
	\$50,000 to \$74,999	21.6	1,256.5
	\$75,000 to \$99,999	21.1	762.5
	\$100,000 to \$149,999	21.3	675.3
	\$150,000 or more	21.0	423.0
Education	Less than high school	17.7	1,249.4
	High school graduate	20.7	1,508.8
	Some college/tech. school	20.9	2,159.8
	Bachelor's degree	15.2	780.3
	Post-graduate degree	12.8	342.3
Place of residence	Non-metropolitan	30.6	858.8
	Metropolitan	17.3	5,337.1

Source: 2000 Census of Population and Housing. Summary Files 1 (age, gender, race/ethnicity, residence) and 3 (education, income). NSRE 1999-2004. Versions 1-18, except 3 and 6.

Annual OHV Activity Days

Data for calculating mean or average annual OHV activity days by demographic category are somewhat limited for the five regions because of the limited NSRE sample size for this measure of OHV participation. The sample for each region is sufficient, however, to estimate total user days, except for a few of the demographic strata. Because of limited samples, activity days analysis was not attempted at state level. The five tables (tables 16-20) that follow report the average annual OHV days for each region overall and by demographic stratum along with the stratum sample size and the 95-percent confidence range. These limits provide a range that is interpreted as: Upon taking repeated samples, in 95 out of 100 (or 95 percent) of those samples, we are confident that the true population mean would lie within the given range. The confidence intervals shown are a function of both the stratum sample size and the variance of values (not shown) around the sample mean. For reference, the national mean based on 2,875 responses was 26.6 days annually (see line 1 of Table 4). The 95 percent confidence interval for the national sample was 24.6 to 28.6 days. The following paragraphs give brief descriptions of the annual OHV activity days for each region.

North: The mean days (26.8) for the North region was very close to the national mean at nearly 27 days of OHV activity per year (Table 16). People in this region under age 30 spent 35 days on average compared to 20 for people age 30-50. Males spent about six more days on average than females. Small sample size did not allow estimates for any racial/ethnic strata beyond comparing Whites and Blacks. The lowest income class spent by far the most days (about 52), although the confidence interval is quite wide. There was also a large mean for persons with less than a high school education, whose 49 days per year were the highest, but based on a relatively small sample of 87 people. Non-metropolitan residents participated in OHV about four more days per year than metropolitan residents.

Table 16—Mean annual activity days (with 95% confidence limits) of people age 16 and older who participated in off-highway vehicle recreation, 2001-2003, North Region.

Demographic	Strata	Sample size	Mean annual OHV days	95% confidence range
All Groups	All people age 16 & older	900	26.8	22.7-30.9
Age	Under 30	286	35.0	24.4-45.7
	30-50	424	19.8	16.0-23.7
	51 & older	182	23.4	16.6-30.2
Gender	Male	540	28.9	23.2-34.5
	Female	360	22.9	17.1-28.7
Race/ethnicity	White	793	26.0	22.1-29.9
	Black	40	35.1	-9.0-79.1
	American Indian	11	.	.
	Asian/Pacific Islander	8	.	.
	Hispanic	27	.	.

Demographic	Strata	Sample size	Mean annual OHV days	95% confidence range
Annual family income	\$25,000 or less	77	51.1	26.6-75.6
	\$25,000 to \$49,999	187	21.7	14.9-28.6
	\$50,000 to \$74,999	165	18.2	14.1-22.2
	\$75,000 to \$99,999	87	17.2	10.5-23.8
	\$100,000 to \$149,999	67	23.5	12.9-34.2
	\$150,000 or more	33	16.2	7.3-25.1
Education	Less than high school	87	49.1	16.5-81.7
	High school graduate	261	26.8	20.1-33.5
	Some college/tech. school	268	17.7	13.4-22.1
	Bachelor's degree	189	17.5	13.0-22.0
	Post-graduate degree	82	8.8	7.1-10.5
Place of residence	Non-metropolitan	319	30.7	25.6-35.7
	Metropolitan	581	25.7	20.0-31.5

Source: NSRE 1999-2004. Annual days of off-highway vehicle use was asked only in NSRE versions which occurred during 2001 (Ver. 8, 10) and 2003 (Ver. 15).

South: Average days among South region residents (29.3) was somewhat higher than the national average (Table 17). Frequency of participation by age was just the opposite of the North region. People in the 30-50 year-old group averaged about 38 days, outpacing people under 30 (averaging about 25 days). There was essentially no difference by gender, and Whites participated almost 10 more days per year than Blacks. Average days by income varied significantly with the \$100,000 to \$149,000 group averaging the highest with 39 days per year. A similar situation by educational attainment resulted in the highest and lowest education classes having the two highest means at about 33 and 32 days per year respectively. Non-metro residents outpaced metro area residents by about five days per year in this region.

Table 17—Mean annual activity days (with 95% confidence limits) of people age 16 and older who participated in off-highway vehicle recreation, 2001-2003, South Region.

Demographic	Strata	Sample size	Mean annual OHV days	95% confidence range
All Groups	All people age 16 & older	786	29.3	25.4-33.2
Age	Under 30	257	24.7	18.3-31.1
	30-50	362	38.1	31.6-44.6
	51 & older	159	19.6	13.9-25.2
Gender	Male	441	29.3	24.1-34.4
	Female	345	29.4	23.4-35.3
Race/ethnicity	White	664	32.0	28.0-36.0
	Black	59	22.5	-0.1-45.1
	American Indian	15	.	.
	Asian/Pacific Islander	2	.	.
	Hispanic	33	23.4	4.3-42.6

Demographic	Strata	Sample size	Mean annual OHV days	95% confidence range
Annual family income	\$25,000 or less	73	34.0	22.0-46.0
	\$25,000 to \$49,999	177	28.1	20.9-35.3
	\$50,000 to \$74,999	116	31.5	22.0-41.0
	\$75,000 to \$99,999	85	22.0	13.6-30.5
	\$100,000 to \$149,999	47	39.2	20.5-57.9
	\$150,000 or more	30	32.6	21.6-43.5
Education	Less than high school	95	32.0	14.4-49.7
	High school graduate	196	30.0	21.3-38.7
	Some college/tech. school	260	28.4	23.1-33.7
	Bachelor's degree	135	22.1	15.8-28.4
	Post-graduate degree	86	33.2	22.1-44.2
Place of residence	Non-metropolitan	357	33.2	28.0-38.3
	Metropolitan	429	27.8	22.1-33.5

Source: NSRE 1999-2004. Annual days of off-highway vehicle use was asked only in NSRE versions which occurred during 2001 (Ver. 8, 10) and 2003 (Ver. 15).

Midwest: The Midwest region had a sample size of just 299 respondents, thus reliable estimates of means by demographic strata are few. Overall, the region's mean activity days (24.9) slightly trailed the national mean (Table 18). The 30-50 year-old age group was the most active with about 29 days annually. Perhaps most significantly for this region was the fact that males (33.1) spent more than twice as many days in OHV recreation than females (13.7). Non-metro residents participated about eight more days per year than metropolitan residents, slightly higher than the national average.

Table 18—Mean annual activity days (with 95% confidence limits) of people age 16 and older who participated in off-highway vehicle recreation, 2001-2003, Midwest Region.

Demographic	Strata	Sample size	Mean annual OHV days	95% confidence range
All Groups	All people age 16 & older	299	24.9	19.0-30.8
Age	Under 30	101	23.0	11.7-34.4
	30-50	132	28.4	19.4-37.5
	51 & older	64	20.3	11.1-29.4
Gender	Male	164	33.1	23.8-42.5
	Female	135	13.7	7.7-19.7
Race/ethnicity	White	286	26.1	20.0-32.2
	Black	1	.	.
	American Indian	2	.	.
	Asian/Pacific Islander	1	.	.
	Hispanic	6	.	.

Demographic	Strata	Sample size	Mean annual OHV days	95% confidence range
Annual family income	\$25,000 or less	36	13.8	5.8-21.7
	\$25,000 to \$49,999	84	29.7	18.0-41.4
	\$50,000 to \$74,999	44	20.2	11.2-29.3
	\$75,000 to \$99,999	22	.	.
	\$100,000 to \$149,999	14	.	.
	\$150,000 or more	6	.	.
Education	Less than high school	40	9.9	5.0-14.9
	High school graduate	92	34.7	21.0-48.4
	Some college/tech. school	84	26.5	15.9-37.1
	Bachelor's degree	60	29.7	17.3-42.1
	Post-graduate degree	16	.	.
Place of residence	Non-metropolitan	161	30.0	22.1-37.9
	Metropolitan	138	21.9	13.1-30.6

Source: NSRE 1999-2004. Annual days of off-highway vehicle use was asked only in NSRE versions which occurred during 2001 (Ver. 8, 10) and 2003 (Ver. 15).

West: Interestingly, the West, which led all regions with 27.3 percent of people 16 or older participating, had the smallest average annual days of OHV use with 24.1 days for participants (Table 19). Differences by age group were slight, but the highest average was for the 51 years and older age group. That was not true for either of the eastern regions or the Midwest. Male activity days were only slightly higher than days for females and data were not sufficient to estimate days by all income classes. High school graduates (30.3) and people with bachelor's degrees (26.2) led other educational attainment groups by a significant margin. Another interesting result for this region is the large difference in average days by non-metropolitan residents (36.5) compared to metropolitan dwellers (19.3). This is probably an indication of the convenient and ready access to OHV opportunities on public land in the rural West.

Table 19—Mean annual activity days (with 95% confidence limits) of people age 16 and older who participated in off-highway vehicle recreation, 2001-2003, West Region.

Demographic	Strata	Sample size	Mean annual OHV days	95% confidence range
All Groups	All people age 16 & older	469	24.3	20.1-28.5
Age	Under 30	157	22.8	15.4-30.2
	30-50	203	24.6	18.4-30.8
	51 & older	105	27.4	18.2-36.5
Gender	Male	262	25.9	20.0-31.8
	Female	206	22.1	16.1-28.1

Demographic	Strata	Sample size	Mean annual OHV days	95% confidence range
Race/ethnicity	White	405	26.2	21.7-30.8
	Black	2	.	.
	American Indian	9	.	.
	Asian/Pacific Islander	3	.	.
	Hispanic	43	17.1	2.2-32.1
Annual family income	\$25,000 or less	51	26.9	13.1-40.7
	\$25,000 to \$49,999	109	25.9	18.2-33.7
	\$50,000 to \$74,999	104	31.7	22.0-41.4
	\$75,000 to \$99,999	34	15.7	8.5-22.8
	\$100,000 to \$149,999	24	.	.
	\$150,000 or more	11	.	.
Education	Less than high school	41	19.6	-0.9-40.2
	High school graduate	109	30.5	20.1-41.0
	Some college/tech. school	174	23.1	18.1-28.1
	Bachelor's degree	98	26.5	16.3-36.7
	Post-graduate degree	41	14.8	5.7-24.0
Place of residence	Non-metropolitan	233	36.5	30.0-42.9
	Metropolitan	236	19.3	14.0-24.6

Source: NSRE 1999-2004. Annual days of off-highway vehicle use was asked only in NSRE versions which occurred during 2001 (Ver. 8, 10) and 2003 (Ver. 15).

Pacific: Mean OHV days in the Pacific region (24.4) was very close to the mean in the West, both of which trailed the national average (Table 20). Like the West, the highest average days was found for the 51 and older age group. Differences were slight by gender and income (which lacked sufficient observations in the highest income class). The least-educated group and people holding a bachelor's degree participated about 20 days per year on average, while the other education classes spent between 26 and 29 days per year. The Pacific was similar to the West in terms of metro versus non-metro average activity days. Non-metropolitan residents spent just under 36 days per year on average, about three days per month. For metro area residents, the mean was 21.3 days. Like the West, greater availability of public land likely accounts for greater number of days of OHV use relative to the Midwest and Eastern regions.

Table 20—Mean annual activity days (with 95% confidence limits) of people age 16 and older who participated in off-highway vehicle recreation, 2001-2003, Pacific Region.

Demographic	Strata	Sample size	Mean annual OHV days	95% confidence range
All Groups	All people age 16 & older	421	24.5	19.6-29.4
Age	Under 30	154	25.0	15.1-34.9
	30-50	180	21.8	16.3-27.4
	51 & older	85	30.6	19.0-42.2

Demographic	Strata	Sample size	Mean annual OHV days	95% confidence range
Gender	Male	235	25.6	19.9-31.2
	Female	186	23.0	14.4-31.6
Race/ethnicity	White	332	25.3	20.2-30.4
	Black	13	.	.
	American Indian	8	.	.
	Asian/Pacific Islander	12	.	.
	Hispanic	46	13.6	5.1-22.2
Annual family income	\$25,000 or less	40	25.5	6.5-44.6
	\$25,000 to \$49,999	81	19.0	12.5-25.5
	\$50,000 to \$74,999	68	26.7	14.7-38.6
	\$75,000 to \$99,999	46	27.5	9.3-45.6
	\$100,000 to \$149,999	39	20.7	12.9-28.6
	\$150,000 or more	21	.	.
Education	Less than high school	55	20.5	5.4-35.6
	High school graduate	101	28.6	17.6-39.6
	Some college/tech. school	146	26.8	17.9-35.6
	Bachelor's degree	77	20.1	11.1-29.0
	Post-graduate degree	38	28.2	15.8-40.5
Place of residence	Non-metropolitan	154	35.7	26.6-44.8
	Metropolitan	267	21.3	15.6-26.9

Source: NSRE 1999-2004. Annual days of off-highway vehicle use was asked only in NSRE versions which occurred during 2001 (Ver. 8, 10) and 2003 (Ver. 15).

Section III – Segmenting Off-Highway Vehicle (OHV) Users

Stratifying off-highway vehicle users into smaller groups helps to better understand who is and who is not participating and where differences lay within the user population. One way of doing this is through a statistical technique known as disjoint cluster analysis. This type of analysis identifies groupings of OHV participants who are similar to one another in their recreation activities and demographics.

Analysis

The statistical analysis process examines the identity of each individual OHV user and assigns them to one and only one group, where members within a group are similar in characteristics. The characteristics examined fall into two broad categories: 1) demographics and 2) participation in 47 resource-based outdoor recreation activities. The number of user groupings or segments is the choice of the researcher. Usually, a number of different groupings are examined looking for a combination of groups which can be meaningfully interpreted. A descriptive name or label is typically then assigned to each of the defined segments. These names are meant to highlight the central similarities among members of each segment or group. Upon careful analysis, we selected five OHV user segments and labeled them as: *Middle of the Roaders*, *Upper Middle Class Nature Lovers*, *Seniors*, *Middle Age Actives*, and *Young Adventure Seekers*. A brief narrative describing each user group is provided in this section. The specific characteristics or variables upon which the OHV groups were based are listed in Table 21 (demographics) and Table 22 (recreation participation). Table 21 shows the proportions (except for age which is mean years) within each demographic category for the five OHV user segments, and for comparison, also shows the proportions for all OHV users, and for all respondents to the NSRE survey. In each column of Table 21, the percentages sum down to 100 within each demographic group. Reading across the columns highlights the differences between the user segments—and how they compare to all OHV users and all NSRE respondents—for any given demographic stratum.

The NSRE national sample was weighted using a process called post-stratification so that sample demographic proportions in age, sex, and race strata would closely approximate demographic strata in the 2000 Census. Further weights adjusted the sample to be more in line with national proportions of educational attainment and the mix of urban/rural residents. There are some substantive differences in socio-economic characteristics of OHV users as compared to the national NSRE sample (Table 21). On average, OHV users are significantly younger, and more likely to be male, White, and rural with slightly higher incomes. Their level of education closely mirrors that of the general population. They do not tend to be concentrated in any region of the country, except that percentages of the population participating tends to be lower in the North region.

Table 21—Demographic characteristics of the full NSRE sample, all OHV users, and the 5 OHV user segments (Age is in years. All other demographics are percentages.)

Demographic	Stratum	Full NSRE Sample	All OHV Users	Middle of the Roaders	Upper Middle Class Nature Lovers	Seniors	Middle Age Actives	Young Adventure Seekers
Age	(average in years)	43.0	34.9	31.6	54.4	70.1	42.6	19.2
Gender	Male	47.4	60.0	60.8	59.3	55.9	59.9	60.6
	Female	52.6	40.0	39.3	40.7	44.1	40.1	39.5
Race/ethnicity	White	68.8	77.8	76.3	84.7	86.1	79.8	73.7
	Black	13.5	9.0	9.1	6.5	7.7	7.8	10.8
	American Indian	0.7	1.0	0.9	0.8	0.7	1.0	1.2
	Asian or Pacific Islander	3.5	2.4	2.5	1.8	0.6	3.0	2.5
	Hispanic	13.5	9.8	11.3	6.1	4.9	8.5	11.7
Annual family income	\$25,000 or less	25.3	17.2	14.2	12.3	28.8	9.8	28.5
	\$25,000-\$49,999	32.0	32.6	37.8	29.0	35.3	29.9	30.2
	\$50,000-\$74,999	20.8	23.7	26.8	26.3	18.3	27.3	16.2
	\$75,000-\$99,999	10.3	12.4	11.6	15.2	6.0	15.7	10.1
	\$100,000-\$149,999	7.5	8.6	6.4	11.0	5.1	11.3	8.0
	\$150,000 or more	4.1	5.5	3.3	6.3	6.5	6.0	6.9
Education	Less than high school	24.3	23.9	7.8	10.4	18.5	9.1	49.6
	High school graduate	29.5	31.2	34.5	30.5	35.6	35.5	25.9
	Some college	24.5	26.9	33.1	32.2	23.7	31.5	18.7
	College degree	14.8	13.1	19.5	15.7	11.6	17.6	5.3
	Post-graduate degree	7.0	4.9	5.1	11.3	10.5	6.2	0.5
Place of Residence	Non-metropolitan	78.9	70.7	73.1	64.7	66.6	69.9	72.5
	Metropolitan Area	21.1	29.3	26.9	35.3	33.4	30.2	27.5
Region	South	35.0	29.8	30.3	30.3	31.0	32.6	27.3
	North	35.3	36.5	38.4	35.3	40.0	33.4	36.8
	West	7.7	8.5	7.2	9.3	9.6	8.3	9.1
	Pacific	7.8	11.3	11.2	12.3	9.3	11.7	11.3
	Midwest	14.3	13.8	12.9	12.8	10.2	14.1	15.5

Source: NSRE 1999-2004. Sample sizes: Full sample=73,675; All OHV users=14,261; Middle of the Roaders=3,816; Upper Middle Class Nature Lovers=2,592; Seniors=991; Middle Age Actives=3,301; Young Adventure Seekers=3,561. Note: Hispanics may be of any race but are included in only the 'Hispanic' category. The segmentation or grouping analysis was performed on the first 16 of the 18 NSRE versions, so the demographic proportions in this table may differ slightly from the proportions from the full 18 versions which appear elsewhere in this report.

Table 22 shows participation rates for each of the 47 outdoor recreation activities across the five OHV user segments. OHV users as a whole are more active in almost every recreation activity relative to the general U.S. population age 16 and older (Table 22). The exception is backpacking. For some activities, OHV users participate at more than twice the national rate. In particular, OHV users were about three times more likely to participate in the three types of hunting—big game, small game, and migratory bird—than was the general public. Following Table 22 is a brief synopsis describing each OHV user group or segment.

Table 22—Outdoor recreation participation percentages for the full NSRE sample, all OHV users, and the 5 OHV user segments, by activity type.

Activity	Full NSRE Sample	All OHV Users	Middle of the Roaders	Upper Middle Class Nature Lovers	Seniors	Middle Age Actives	Young Adventure Seekers
Land-based Activities							
Visit a wilderness or primitive area	32.7	56.2	57.9	54.1	43.3	58.6	56.6
Day hiking	33.3	45.4	47.8	47.2	30.8	51.4	42.1
Primitive camping	16.0	37.0	36.8	33.2	19.3	35.5	42.3
Mountain biking	21.4	35.7	38.2	25.2	14.4	34.4	42.3
Big game hunting	8.4	25.3	27.5	28.5	20.0	25.9	23.3
Small game hunting	7.2	21.2	21.5	21.1	16.0	20.6	22.2
Backpacking	22.8	20.3	21.9	15.7	7.4	20.5	23.1
Horseback riding on trails	7.8	16.1	14.5	11.6	7.5	15.9	20.5
Migratory bird hunting	2.4	7.3	7.1	7.9	3.9	6.4	8.5
Viewing/learning Activities							
Sightseeing	51.8	74.9	77.5	86.4	84.0	82.6	62.9
View/photograph natural scenery	60.4	71.7	73.4	79.3	70.4	79.8	63.4
View/photograph other wildlife (besides birds)	44.7	62.3	62.4	69.5	63.6	69.8	55.1
View/photograph wildflowers, trees, etc	44.9	52.5	52.6	62.8	56.9	62.9	41.8
Gather mushrooms, berries, etc.	28.5	48.8	48.3	50.5	46.5	52.5	46.7
View/photograph fish	24.8	38.4	40.0	42.0	36.8	45.8	32.0
View/photograph birds	32.4	36.5	35.2	52.5	48.9	44.3	24.7
Developed-setting Activities							
Walk for pleasure	83.0	87.4	87.5	90.5	89.7	89.4	84.8
Family gatherings outdoors	73.5	84.4	85.8	82.8	79.8	86.0	83.9
Driving for pleasure	51.2	83.9	86.2	91.6	89.9	88.9	75.6
Visit nature centers, etc.	57.1	67.3	74.5	67.4	57.6	71.1	62.1

Activity	Full NSRE Sample	All OHV Users	Middle of the Roaders	Upper Middle Class Nature Lovers	Seniors	Middle Age Actives	Young Adventure Seekers
Picnicking	54.5	61.6	66.6	68.0	66.6	71.5	49.3
Visit historic sites	46.2	57.2	57.4	63.2	54.1	60.6	53.5
Developed camping	26.4	45.4	46.6	39.6	30.8	46.9	44.0
Visit prehistoric/archeological sites	20.9	29.3	28.4	33.6	24.9	31.8	27.6
Fishing Activities							
Warmwater fishing	22.6	43.0	45.1	38.9	32.4	43.2	44.6
Coldwater fishing	13.6	28.4	27.2	27.2	23.8	30.0	29.7
Saltwater fishing	10.4	17.0	17.2	17.6	12.6	18.3	16.7
Anadromous fishing	4.4	9.5	8.2	10.8	4.5	10.0	10.4
Non-motorized Boating Activities							
Rafting	9.5	22.7	21.5	12.0	4.9	19.6	32.2
Canoeing	9.7	18.3	17.8	11.6	9.5	18.8	22.2
Rowing	4.4	8.1	6.6	7.8	4.9	8.8	9.3
Sailing	5.1	7.6	6.1	6.4	4.8	7.6	9.7
Kayaking	3.5	6.8	5.7	4.5	2.8	6.0	9.6
Windsurfing	0.8	1.6	1.5	1.0	0.1	1.6	2.2
Motorized Boating Activities							
Motorboating	24.4	45.6	48.2	40.2	33.5	47.4	46.9
Waterskiing	8.1	20.4	19.9	7.8	4.3	16.1	30.4
Using personal watercraft	9.5	23.8	21.6	8.1	6.2	17.8	37.5
Swimming/diving Activities							
Swimming in lakes, streams, etc.	41.7	62.6	65.8	49.0	31.2	63.9	70.3
Visit beach	40.6	56.0	59.4	49.3	36.5	57.8	58.6
Visit other waterside (besides beach)	26.0	41.2	43.5	32.5	24.6	43.2	44.3
Snorkeling	6.7	12.1	12.0	8.8	6.0	13.5	13.6
Scuba diving	1.9	4.9	5.1	3.7	3.1	4.8	5.5
Surfing	1.7	3.9	2.9	1.4	0.4	2.7	6.7
Snow/ice Activities							
Snowmobiling	5.6	16.3	17.0	11.7	6.7	14.8	20.2
Downhill skiing	8.5	14.9	14.2	7.2	3.2	15.0	20.2
Snowboarding	4.9	12.3	8.8	2.7	0.9	6.8	23.5
Cross country skiing	3.8	5.9	5.0	6.3	2.9	7.2	6.2

Source: NSRE 1999-2004. Sample sizes: Full sample=73,675; All OHV users=14,261; Middle of the Roaders=3,816; Upper Middle Class Nature Lovers=2,592; Seniors=991; Middle Age Actives=3,301; Young Adventure Seekers=3,561.

Description of the OHV User Segments

Middle of the Roaders

26.8 percent of OHV Users

The Middle of the Roaders, which comprise almost 27 percent of all OHV users, are the cluster or group that is most like OHV users overall. Their demographics are very similar to those of OHV users generally, and they are similar in their recreation participation characteristics (Table 21). They are the closest group in mean age (about 32 years) to the mean age of all OHV users (34.9). The biggest difference is in the proportion with less than a high school education. This cluster has only 7.8 percent in that category compared to 23.9 percent of all OHV users. It is higher in all other education levels, especially the bachelor's degree (19.5 of the group versus 13.1 percent of all users). Also, Middle of the Roaders are slightly more likely to be Hispanic, live in metropolitan areas, and live in the South. But these differences are modest. Further, the Middle of the Roaders are more likely to be in the middle income categories between \$25,000 and \$75,000 and the least likely group to earn more than \$100,000 annually (especially \$150,000 or more).

In terms of outdoor recreation, this group's participation very closely reflects that of all OHV users (Table 22). Participation rates are within a few percentage points for nearly all of the 47 activities. A few exceptions are higher rates of visiting nature centers and picnicking, however the differences are modest. These Middle of the Roaders are more likely to participate in family-oriented activities and they are a relatively young group. Physically-demanding snow/ice and water adventure sports such as snowboarding, surfing, and kayaking are among the activities least selected by the Middle of the Roaders.

Upper Middle Class Nature Lovers

18.2 percent of OHV users

The Upper Middle Class Nature Lovers with an average age of about 54 years, make up 18 percent all OHV users. Individuals in this group have the second highest incomes of any of the clusters, with relatively large proportions in the top three income categories (Table 21). Just under one-third of this group has an annual family income greater than \$75,000. It is one of the most educated groups with more than one-quarter having bachelor's degrees or higher. Group members are more than twice as likely to have a post-graduate degree than OHV users in general. Individuals in this segment are also more likely than all OHV users to be White and live in non-metropolitan areas. They are the most rural group of the 5 segments. They are also slightly more likely to live in the West region of the United States.

Relative to other OHV users, Upper Middle Class Nature Lovers are more likely to participate in viewing/learning and other non-consumptive recreational activities, especially viewing and photographing birds and natural vegetation, visiting prehistoric sites, and sightseeing (Table 22). Consumptive activities are also popular, especially anadromous fishing and big game hunting. This group tends to participate less in the more-active outdoor land and water-based activities. This is especially true for some adventure sports such as snowboarding, surfing, rafting, and motorized water sports, such as using personal watercraft and water skiing.

Seniors

6.9 percent of OHV Users

The Seniors user group, which comprises just under 7 percent of OHV users, is less than one-half the size of the next smallest group. It is characterized by two primary traits: advanced age of its members and less participation in outdoor recreation activities generally. Their average age of 70 years is more than twice that of the 34.9 years of *all* OHV users (Table 21). Group members are also more often White, live in non-metropolitan areas, and are more likely than any other group to live in the South. This group also has more than twice as many people with post-graduate degrees and a smaller proportion with less than a high school education than OHV users as a whole. The Seniors have the largest proportion (almost 29 percent) of members earning \$25,000 per year or less, but also has a slightly higher percentage earning in excess of \$150,000 annually relative to all OHV users.

Regarding outdoor recreation, this cluster participates more frequently than the overall group in just 7 of the 47 activities (Table 22). Only two activities—viewing and photographing birds and sightseeing—have participation rates substantially higher than OHV users in general. As expected, very few in this group participate in high-energy, high-skill sports. In three activities—snowboarding, surfing and windsurfing—less than 1.0 percent of the Seniors participate, or less than 1/10th the rate of all OHV users.

Middle Age Actives

23.1 percent of OHV Users

The Middle Age Actives segment conjures images of successful, well-educated professionals who are busy with family and careers, and who maintain an active lifestyle. This cluster is similar to the Upper Middle Class Nature Lovers, but is somewhat younger (mean age of 42.6 years compared to 54.4) and more active (Table 21). It is also the most affluent of all the OHV clusters, with slightly higher incomes than the Upper Middle Class Nature Lovers group. About 17 percent earn more than \$100,000 annually and just under one-third earn more than \$75,000. This cluster also has the lowest proportion—just under 10 percent—earning less than \$25,000 per year. The Middle Age Actives also has more residents of the North and fewer in the South than any other cluster.

In terms of outdoor recreation participation, this group is quite active, participating at higher rates than OHV users in general across 33 of the 47 activities (Table 22). Viewing/learning activities top the list, but no single activity or group of activities dominates. Similar to the other OHV user segments, the least favorite activities of this segment were the high skill snow/ice and water-based sports, as well as the motorized activities of using personal watercraft and water skiing.

Young Adventure Seekers

25.0 percent of OHV Users

Youth is the most distinguishing characteristic of the Young Adventure Seekers, who make up one-fourth of OHV users. With a mean age of just over 19, this group is also predictably low in both advanced education (5.8 percent with a bachelor's degree or higher) and annual family

income—28.5 percent under \$25,000 per year (Table 21). They are evenly distributed geographically, with a slightly higher share in the Pacific than other OHV users. They are also more likely than all but the Middle of the Roaders to be metropolitan residents, though the differences are modest. It is also the most racially diverse group, having higher proportions of Black, Hispanic, and American Indians than any other group.

Besides their youth, the other outstanding characteristic of this cluster is its engagement in outdoor adventure and active water and snow/ice sports (Table 22). Along with its relatively lower levels of participation in viewing/learning activities, this group is almost the mirror image of all the other user segments with respect to outdoor recreation participation. Snowboarding and downhill skiing, surfing and windsurfing, motorized water sports, and rafting/floating recreation are all high relative to other OHV users. Conversely, the viewing/learning and more passive activities such as picnicking, sightseeing, and driving for pleasure, are the activities with the lowest participation rates by this group.

APPENDIX TABLES

Appendix 1: Sample size of people age 16 and older responding to question about off-highway vehicle recreation, by demographic category and interview season, 1999-2004, United States.

Demo-graphic	Strata	Fall '99- Summer '00	Fall '00- Summer '01	Fall '01- Summer '02	Fall '02- Summer '03	Fall '03 -Fall '04	Full NSRE sample
All Groups	All people age 16 & older	19,076	21,032	15,989	10,898	6,303	73,298
Age	Under 30	4,239	4,645	3,389	2,252	1,192	15,717
	30-50	8,201	8,808	6,576	4,454	2,534	30,573
	51 & older	6,284	7,193	5,741	4,023	2,488	25,729
Gender	Male	8,308	9,051	6,897	4,758	2,790	31,804
	Female	10,731	11,931	9,003	6,109	3,509	41,283
Race/ ethnicity	White	15,429	16,984	12,610	9,129	5,345	59,497
	Black	1,380	1,469	1,206	666	431	5,152
	American Indian	269	300	209	146	106	1,030
	Asian/Pacific Islander	304	398	199	179	75	1,155
	Hispanic	1,241	1,364	1,231	494	205	4,535
Annual family income	\$25,000 or less	4,050	4,307	3,070	1,902	1,244	14,573
	\$25,000 to \$49,999	6,572	7,046	4,710	3,253	1,853	23,434
	\$50,000 to \$74,999	4,341	4,620	3,385	2,557	1,460	16,363
	\$75,000 to \$99,999	1,871	2,350	1,738	1,457	851	8,267
	\$100,000 to \$149,999	1,492	1,771	1,369	1,099	577	6,308
	\$150,000 or more	750	938	737	630	317	3,372
Education	Less than high school	2,001	2,199	1,771	830	544	7,345
	High school graduate	5,048	5,667	4,377	2,560	1,536	19,188
	Some college/tech. school	5,859	6,130	4,385	3,194	1,921	21,489
	Bachelor's degree	3,688	4,130	3,223	2,507	1,391	14,939
	Post-graduate degree	2,238	2,518	1,880	1,672	880	9,188
Place of residence	Non-metropolitan	6,606	7,272	5,386	3,293	2,340	24,897
	Metropolitan	12,470	13,760	10,603	7,605	3,963	48,401

Source: 2000 Census of Population and Housing. Summary Files 1 (age, gender, race/ethnicity, residence) and 3 (education, income). NSRE 1999-2004. Versions 1-18, except 3 and 6.

Appendix 2: Sample size of people age 16 and older who responded to question about off-highway vehicle annual activity days, by year of interview and demographic strata, 2001-2003, United States.

Demographic	Strata	2001	2003	Full Sample
All Groups	All people age 16 & older	1,650	1,225	2,875
Age	Under 30	569	386	955
	30-50	765	536	1,301
	51 & older	303	292	595
Gender	Male	950	692	1,642
	Female	699	533	1,232
Race/ethnicity	White	1,427	1,053	2,480
	Black	65	50	115
	American Indian	29	16	45
	Asian/Pacific Islander	18	8	26
	Hispanic	83	72	155
Annual family income	\$25,000 or less	165	112	277
	\$25,000 to \$49,999	383	255	638
	\$50,000 to \$74,999	263	234	497
	\$75,000 to \$99,999	142	132	274
	\$100,000 to \$149,999	106	85	191
	\$150,000 or more	54	47	101
Education	Less than high school	194	124	318
	High school graduate	457	302	759
	Some college/tech. school	553	379	932
	Bachelor's degree	282	277	559
	Post-graduate degree	139	124	263
Place of residence	Non-metropolitan	730	494	1,224
	Metropolitan	920	731	1,651

Source: 2000 Census of Population and Housing, Summary Files 1 (age, gender, race/ethnicity, residence) and 3 (education, income). NSRE 1999-2004. Versions 8, 10, and 15. Annual days of Off-Highway Vehicle use was asked only in these NSRE versions which occurred during 2001 (Ver. 8, 10) and 2003 (Ver. 15).

Appendix 3: 95 percent confidence intervals for mean annual off-highway vehicle use days by demographic strata, 2001-2003, United States.

Demographic	Strata	95% c.i. lower bound	Mean annual OHV days	95% c.i. upper bound
All Groups	All people age 16 & older	24.5	26.6	28.6
Age	Under 30	23.0	27.4	31.7
	30-50	23.9	26.6	29.3
	51 & older	20.0	23.6	27.1
Gender	Male	25.6	28.4	31.2
	Female	20.7	23.6	26.6
Race/ethnicity	White	25.5	27.5	29.6
	Black	9.7	29.5	49.3
	American Indian	19.8	38.0	56.2
	Asian/Pacific Islander	3.5	19.8	36.2
	Hispanic	10.1	17.1	24.1
Annual family income	\$25,000 or less	25.5	34.0	42.5
	\$25,000 to \$49,999	21.2	24.7	28.3
	\$50,000 to \$74,999	21.6	25.4	29.1
	\$75,000 to \$99,999	17.0	22.3	27.7
	\$100,000 to \$149,999	19.9	26.7	33.5
	\$150,000 or more	20.4	31.2	42.1
Education	Less than high school	19.5	30.6	41.8
	High school graduate	25.0	29.2	33.4
	Some college/tech. school	21.0	23.8	26.5
	Bachelor's degree	18.1	21.5	24.8
	Post-graduate degree	18.4	22.9	27.3
Place of residence	Non-metropolitan	30.2	33.0	35.8
	Metropolitan	21.4	24.3	27.2

Source: 2000 Census of Population and Housing, Summary Files 1 (age, gender, race/ethnicity, residence) and 3 (education, income). NSRE 1999-2004. Versions 8, 10, and 15. Annual days of Off-Highway Vehicle use was asked only in these NSRE versions which occurred during 2001 (Ver. 8, 10) and 2003 (Ver. 15).

Appendix 4: Tables showing percent of population and estimated number of people age 16 and older participating in off-highway vehicle recreation, by demographic category and state, 1999-2004.

Alabama (n=2,358)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	22.1	752.8
Age	Under 30	36.2	309.8
	30-50	21.6	289.4
	51 & older	12.8	153.6
Gender	Male	30.6	492.5
	Female	14.5	260.3
Race/ethnicity	White	27.4	675.0
	Black	9.1	74.7
	American Indian	32.9	5.3
	Asian/Pacific Islander	.	.
	Hispanic	27.7	14.6
Annual family income	\$25,000 or less	14.6	115.1
	\$25,000 to \$49,999	23.8	216.7
	\$50,000 to \$74,999	24.1	144.6
	\$75,000 to \$99,999	34.9	98.4
	\$100,000 to \$149,999	28.7	52.2
	\$150,000 or more	39.5	37.9
Education	Less than high school	20.2	166.1
	High school graduate	23.6	232.6
	Some college/tech. school	23.0	207.3
	Bachelor's degree	23.7	87.7
	Post-graduate degree	17.6	34.6
Place of residence	Non-metropolitan	24.8	253.9
	Metropolitan	21.0	498.9

Alaska (n=519)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	32.9	148.5
Age	Under 30	48.0	57.6
	30-50	32.5	71.6
	51 & older	17.4	19.2
Gender	Male	36.7	85.8
	Female	28.9	62.7

Demographic	Strata	Percent participating	Participants (1000s)
Race/ethnicity	White	36.9	118.0
	Black	.	.
	American Indian	24.8	15.6
	Asian/Pacific Islander	.	.
	Hispanic	.	.
Annual family income	\$25,000 or less	39.2	22.7
	\$25,000 to \$49,999	26.0	24.0
	\$50,000 to \$74,999	31.9	27.7
	\$75,000 to \$99,999	33.4	19.8
	\$100,000 to \$149,999	49.4	25.1
	\$150,000 or more	40.1	8.1
Education	Less than high school	38.5	21.8
	High school graduate	34.4	43.4
	Some college/tech. school	29.8	45.5
	Bachelor's degree	37.0	23.1
	Post-graduate degree	18.4	5.9
Place of residence	Non-metropolitan	36.0	94.9
	Metropolitan	28.6	53.6

Arizona (n=1,023)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	25.5	981.3
Age	Under 30	39.5	401.0
	30-50	31.1	469.3
	51 & older	8.4	111.0
Gender	Male	27.5	523.6
	Female	23.5	457.7
Race/ethnicity	White	26.1	687.5
	Black	.	.
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	27.2	227.5
Annual family income	\$25,000 or less	16.5	115.3
	\$25,000 to \$49,999	24.0	235.6
	\$50,000 to \$74,999	29.2	197.9
	\$75,000 to \$99,999	38.6	140.2
	\$100,000 to \$149,999	34.4	91.1
	\$150,000 or more	19.1	29.2

Demographic	Strata	Percent participating	Participants (1000s)
Education	Less than high school	22.9	175.6
	High school graduate	31.4	287.6
	Some college/tech. school	25.2	314.0
	Bachelor's degree	24.2	124.4
	Post-graduate degree	15.7	42.6
Place of residence	Non-metropolitan	34.8	157.5
	Metropolitan	24.3	823.8

Arkansas (n=1,097)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	25.4	519.7
Age	Under 30	37.8	192.9
	30-50	24.9	194.2
	51 & older	17.6	132.6
Gender	Male	30.4	299.3
	Female	20.8	220.4
Race/ethnicity	White	28.1	462.6
	Black	16.6	47.8
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	.	.
Annual family income	\$25,000 or less	20.1	100.2
	\$25,000 to \$49,999	32.0	192.2
	\$50,000 to \$74,999	25.4	86.5
	\$75,000 to \$99,999	20.0	27.9
	\$100,000 to \$149,999	28.1	23.1
	\$150,000 or more	.	.
Education	Less than high school	20.1	97.4
	High school graduate	27.3	183.1
	Some college/tech. school	32.1	164.6
	Bachelor's degree	25.0	49.8
	Post-graduate degree	24.5	23.9
Place of residence	Non-metropolitan	27.1	281.0
	Metropolitan	23.7	238.7

California (n=5,347)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	17.2	4,345.0
Age	Under 30	28.3	1,922.2
	30-50	16.4	1,766.8
	51 & older	8.6	656.0
Gender	Male	22.2	2,755.4
	Female	12.4	1,589.6
Race/ethnicity	White	22.3	2,846.5
	Black	16.3	256.1
	American Indian	28.8	38.6
	Asian/Pacific Islander	11.5	337.6
	Hispanic	12.2	877.4
Annual family income	\$25,000 or less	12.3	526.8
	\$25,000 to \$49,999	15.4	833.0
	\$50,000 to \$74,999	19.5	818.0
	\$75,000 to \$99,999	21.3	571.8
	\$100,000 to \$149,999	21.7	537.6
	\$150,000 or more	20.9	347.2
Education	Less than high school	16.4	956.3
	High school graduate	18.9	968.1
	Some college/tech. school	19.4	1,463.8
	Bachelor's degree	15.4	584.3
	Post-graduate degree	13.0	262.8
Place of residence	Non-metropolitan	30.2	252.2
	Metropolitan	16.7	4,092.8

Colorado (n=1,026)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	26.7	875.8
Age	Under 30	35.1	306.2
	30-50	28.8	416.9
	51 & older	15.9	152.7
Gender	Male	33.0	540.9
	Female	20.5	334.9
Race/ethnicity	White	31.1	784.1
	Black	.	.
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	18.9	93.5

Demographic	Strata	Percent participating	Participants (1000s)
Annual family income	\$25,000 or less	14.6	58.9
	\$25,000 to \$49,999	26.7	193.7
	\$50,000 to \$74,999	32.4	202.7
	\$75,000 to \$99,999	34.3	130.5
	\$100,000 to \$149,999	25.7	77.0
	\$150,000 or more	26.9	46.6
Education	Less than high school	25.9	120.1
	High school graduate	23.7	178.1
	Some college/tech. school	32.7	330.5
	Bachelor's degree	24.0	149.9
	Post-graduate degree	23.4	71.9
Place of residence	Non-metropolitan	36.2	191.2
	Metropolitan	24.9	684.6

Connecticut (n=936)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	14.3	372.8
Age	Under 30	20.1	111.2
	30-50	13.7	152.4
	51 & older	11.6	109.2
Gender	Male	16.1	199.9
	Female	12.7	172.9
Race/ethnicity	White	13.4	278.6
	Black	18.2	38.0
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	14.3	30.5
Annual family income	\$25,000 or less	7.6	21.8
	\$25,000 to \$49,999	12.5	58.8
	\$50,000 to \$74,999	14.3	68.3
	\$75,000 to \$99,999	19.4	65.9
	\$100,000 to \$149,999	19.3	61.1
	\$150,000 or more	14.3	33.3
Education	Less than high school	18.6	78.0
	High school graduate	13.1	94.5
	Some college/tech. school	17.9	115.9
	Bachelor's degree	10.7	47.1
	Post-graduate degree	7.6	23.1
Place of residence	Non-metropolitan	.	.
	Metropolitan	14.3	372.8

Delaware (n=513)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	14.4	86.5
Age	Under 30	19.1	27.8
	30-50	15.7	38.7
	51 & older	9.6	20.0
Gender	Male	20.2	57.9
	Female	9.1	28.6
Race/ethnicity	White	15.9	71.5
	Black	9.3	9.8
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	.	.
Annual family income	\$25,000 or less	10.0	8.0
	\$25,000 to \$49,999	13.9	18.8
	\$50,000 to \$74,999	16.6	19.4
	\$75,000 to \$99,999	7.2	5.1
	\$100,000 to \$149,999	21.0	11.9
	\$150,000 or more	27.0	7.5
Education	Less than high school	9.8	10.2
	High school graduate	24.1	43.8
	Some college/tech. school	13.1	21.3
	Bachelor's degree	7.9	6.7
	Post-graduate degree	6.2	3.0
Place of residence	Non-metropolitan	17.6	21.2
	Metropolitan	13.5	65.3

District of Columbia (n=503)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	10.6	49.0
Age	Under 30	11.1	15.0
	30-50	7.5	13.5
	51 & older	14.1	20.5
Gender	Male	16.1	34.6
	Female	5.9	14.4

Demographic	Strata	Percent participating	Participants (1000s)
Race/ethnicity	White	7.0	10.1
	Black	12.3	31.9
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	.	.
Annual family income	\$25,000 or less	9.3	7.7
	\$25,000 to \$49,999	16.2	11.4
	\$50,000 to \$74,999	1.6	0.7
	\$75,000 to \$99,999	16.8	5.0
	\$100,000 to \$149,999	6.4	1.9
	\$150,000 or more	9.5	3.2
Education	Less than high school	18.2	18.0
	High school graduate	8.6	7.9
	Some college/tech. school	9.5	9.2
	Bachelor's degree	8.2	6.7
	Post-graduate degree	4.9	3.9
Place of residence	Non-metropolitan	.	.
	Metropolitan	10.6	49.0

Florida (n=2,782)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	14.2	1,778.8
Age	Under 30	22.5	606.0
	30-50	17.5	840.4
	51 & older	6.6	332.5
Gender	Male	16.9	1,021.1
	Female	11.6	757.7
Race/ethnicity	White	15.7	1,338.0
	Black	12.2	192.3
	American Indian	22.7	7.4
	Asian/Pacific Islander	8.0	17.0
	Hispanic	9.8	198.0
Annual family income	\$25,000 or less	11.0	252.4
	\$25,000 to \$49,999	11.1	358.5
	\$50,000 to \$74,999	16.5	354.7
	\$75,000 to \$99,999	22.5	242.5
	\$100,000 to \$149,999	16.6	131.0
	\$150,000 or more	16.4	85.6

Demographic	Strata	Percent participating	Participants (1000s)
Education	Less than high school	14.3	365.6
	High school graduate	15.6	546.8
	Some college/tech. school	14.7	527.9
	Bachelor's degree	11.5	187.7
	Post-graduate degree	12.8	113.5
Place of residence	Non-metropolitan	18.2	163.8
	Metropolitan	13.8	1,615.0

Georgia (n=2,916)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	20.3	1,251.4
Age	Under 30	31.9	539.1
	30-50	20.2	537.6
	51 & older	9.7	174.6
Gender	Male	26.6	795.3
	Female	14.4	456.1
Race/ethnicity	White	23.6	944.8
	Black	13.9	229.1
	American Indian	17.2	2.3
	Asian/Pacific Islander	.	.
	Hispanic	17.0	52.6
Annual family income	\$25,000 or less	13.8	153.8
	\$25,000 to \$49,999	20.1	296.8
	\$50,000 to \$74,999	25.6	288.4
	\$75,000 to \$99,999	21.5	134.2
	\$100,000 to \$149,999	22.9	109.5
	\$150,000 or more	25.2	71.9
Education	Less than high school	22.6	303.7
	High school graduate	19.8	338.2
	Some college/tech. school	22.0	347.7
	Bachelor's degree	18.1	157.9
	Post-graduate degree	13.0	55.8
Place of residence	Non-metropolitan	24.8	468.4
	Metropolitan	18.3	783.0

Hawaii (n=571)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	12.3	114.7

Age	Under 30	18.7	42.9
	30-50	15.0	57.2
	51 & older	4.5	14.6
Gender	Male	14.2	66.1
	Female	10.3	48.6
Race/ethnicity	White	15.3	35.8
	Black	.	.
	American Indian	.	.
	Asian/Pacific Islander	10.9	53.2
	Hispanic	10.8	6.0
Annual family income	\$25,000 or less	8.2	10.6
	\$25,000 to \$49,999	11.4	22.9
	\$50,000 to \$74,999	17.5	31.3
	\$75,000 to \$99,999	7.9	9.0
	\$100,000 to \$149,999	12.0	12.3
	\$150,000 or more	13.5	6.6
Education	Less than high school	11.6	16.0
	High school graduate	13.0	35.2
	Some college/tech. school	16.6	46.8
	Bachelor's degree	7.7	11.2
	Post-graduate degree	10.8	7.2
Place of residence	Non-metropolitan	25.0	64.7
	Metropolitan	7.4	50.0

Idaho (n=642)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	33.5	320.3
Age	Under 30	40.0	105.6
	30-50	38.4	146.3
	51 & older	22.1	68.4
Gender	Male	43.2	205.1
	Female	24.0	115.2
Race/ethnicity	White	36.6	313.6
	Black	.	.
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	.	.

Demographic	Strata	Percent participating	Participants (1000s)
Annual family income	\$25,000 or less	22.1	40.0
	\$25,000 to \$49,999	35.6	102.0
	\$50,000 to \$74,999	47.4	85.8
	\$75,000 to \$99,999	36.6	29.9
	\$100,000 to \$149,999	21.6	10.3
	\$150,000 or more	.	.
Education	Less than high school	27.7	41.5
	High school graduate	38.1	101.0
	Some college/tech. school	36.9	119.8
	Bachelor's degree	31.5	37.8
	Post-graduate degree	25.4	13.5
Place of residence	Non-metropolitan	37.3	216.4
	Metropolitan	27.7	103.9

Illinois (n=2,367)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	14.0	1,318.7
Age	Under 30	24.0	581.3
	30-50	13.9	543.5
	51 & older	6.3	193.9
Gender	Male	18.6	844.3
	Female	9.7	474.4
Race/ethnicity	White	15.6	1,033.5
	Black	15.4	199.8
	American Indian	.	.
	Asian/Pacific Islander	16.2	53.7
	Hispanic	6.9	69.8
Annual family income	\$25,000 or less	8.6	114.2
	\$25,000 to \$49,999	16.1	334.8
	\$50,000 to \$74,999	15.0	273.7
	\$75,000 to \$99,999	14.1	155.9
	\$100,000 to \$149,999	15.5	136.9
	\$150,000 or more	17.6	92.9
Education	Less than high school	13.8	241.4
	High school graduate	16.9	423.5
	Some college/tech. school	14.6	385.7
	Bachelor's degree	12.5	176.2
	Post-graduate degree	7.0	53.1
Place of residence	Non-metropolitan	24.0	340.0
	Metropolitan	12.2	978.7

Indiana (n=1,444)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	15.8	726.9
Age	Under 30	24.6	290.8
	30-50	16.7	313.6
	51 & older	7.9	122.5
Gender	Male	19.4	433.2
	Female	12.4	293.7
Race/ethnicity	White	16.9	681.0
	Black	11.5	40.8
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	.	.
Annual family income	\$25,000 or less	10.5	71.6
	\$25,000 to \$49,999	18.8	224.5
	\$50,000 to \$74,999	13.0	126.3
	\$75,000 to \$99,999	22.0	107.7
	\$100,000 to \$149,999	17.1	53.3
	\$150,000 or more	24.7	33.9
Education	Less than high school	17.2	142.5
	High school graduate	15.2	245.3
	Some college/tech. school	17.3	211.0
	Bachelor's degree	14.7	74.6
	Post-graduate degree	11.6	32.3
Place of residence	Non-metropolitan	20.4	261.5
	Metropolitan	13.9	465.4

Iowa (n=995)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	16.8	376.9
Age	Under 30	30.1	167.1
	30-50	18.4	160.5
	51 & older	6.0	49.3
Gender	Male	21.7	235.7
	Female	12.1	141.2

Race/ethnicity	White	17.3	365.6
	Black	.	.
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	.	.
Annual family income	\$25,000 or less	14.9	48.5
	\$25,000 to \$49,999	15.1	93.9
	\$50,000 to \$74,999	14.1	67.3
	\$75,000 to \$99,999	29.3	61.4
	\$100,000 to \$149,999	17.7	20.9
	\$150,000 or more	.	.
Education	Less than high school	18.4	57.7
	High school graduate	18.0	135.8
	Some college/tech. school	16.7	113.2
	Bachelor's degree	14.2	42.2
	Post-graduate degree	10.1	12.4
Place of residence	Non-metropolitan	17.3	212.3
	Metropolitan	16.2	164.6

Kansas (n=980)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	19.0	384.9
Age	Under 30	27.7	145.0
	30-50	18.5	150.1
	51 & older	13.0	89.8
Gender	Male	26.6	264.2
	Female	11.6	120.7
Race/ethnicity	White	20.5	353.5
	Black	.	.
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	10.2	12.2
Annual family income	\$25,000 or less	17.2	52.1
	\$25,000 to \$49,999	19.8	106.1
	\$50,000 to \$74,999	17.1	70.7
	\$75,000 to \$99,999	16.9	35.2
	\$100,000 to \$149,999	22.8	30.2
	\$150,000 or more	32.3	22.8

Demographic	Strata	Percent participating	Participants (1000s)
Education	Less than high school	24.1	70.7
	High school graduate	19.5	112.0
	Some college/tech. school	16.0	100.9
	Bachelor's degree	20.7	63.1
	Post-graduate degree	7.1	10.6
Place of residence	Non-metropolitan	21.8	191.8
	Metropolitan	16.8	193.1

Kentucky (n=1,470)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	24.2	752.8
Age	Under 30	41.3	324.6
	30-50	25.1	317.5
	51 & older	10.3	110.7
Gender	Male	29.2	437.6
	Female	19.5	315.2
Race/ethnicity	White	25.6	720.1
	Black	3.8	8.1
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	.	.
Annual family income	\$25,000 or less	20.5	151.0
	\$25,000 to \$49,999	24.2	198.5
	\$50,000 to \$74,999	27.5	147.7
	\$75,000 to \$99,999	27.1	67.9
	\$100,000 to \$149,999	23.9	36.2
	\$150,000 or more	32.4	26.7
Education	Less than high school	21.8	169.1
	High school graduate	25.5	256.3
	Some college/tech. school	26.9	203.5
	Bachelor's degree	23.3	67.3
	Post-graduate degree	17.9	32.3
Place of residence	Non-metropolitan	31.6	503.1
	Metropolitan	16.4	249.7

Louisiana (n=1,318)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	19.7	660.2

Demographic	Strata	Percent participating	Participants (1000s)
Age	Under 30	30.9	278.5
	30-50	19.7	266.3
	51 & older	10.6	115.5
Gender	Male	26.8	426.9
	Female	13.3	233.3
Race/ethnicity	White	25.0	545.6
	Black	11.5	115.5
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	.	.
Annual family income	\$25,000 or less	13.1	112.9
	\$25,000 to \$49,999	23.0	195.5
	\$50,000 to \$74,999	23.5	129.6
	\$75,000 to \$99,999	22.8	61.0
	\$100,000 to \$149,999	14.7	25.3
	\$150,000 or more	28.4	25.7
Education	Less than high school	17.3	141.6
	High school graduate	18.1	186.5
	Some college/tech. school	26.8	219.5
	Bachelor's degree	18.2	65.4
	Post-graduate degree	18.7	33.6
Place of residence	Non-metropolitan	26.2	215.0
	Metropolitan	17.6	445.2

Maine (n=648)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	26.8	266.7
Age	Under 30	42.0	88.0
	30-50	28.3	117.1
	51 & older	16.6	61.6
Gender	Male	35.0	167.1
	Female	19.3	99.6
Race/ethnicity	White	27.1	262.2
	Black	.	.
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	.	.

Annual family income	\$25,000 or less	28.0	48.7
	\$25,000 to \$49,999	29.9	80.2
	\$50,000 to \$74,999	21.3	39.9
	\$75,000 to \$99,999	23.9	20.3
	\$100,000 to \$149,999	30.2	14.5
	\$150,000 or more	.	.
Education	Less than high school	33.5	49.3
	High school graduate	28.8	99.1
	Some college/tech. school	27.6	73.3
	Bachelor's degree	16.3	21.9
	Post-graduate degree	19.2	13.1
Place of residence	Non-metropolitan	32.9	138.0
	Metropolitan	22.3	128.7

Maryland (n=1,257)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	14.3	576.8
Age	Under 30	20.2	186.7
	30-50	16.0	284.0
	51 & older	8.0	106.1
Gender	Male	16.3	311.7
	Female	12.5	265.1
Race/ethnicity	White	15.3	394.9
	Black	11.4	121.1
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	8.0	12.9
Annual family income	\$25,000 or less	10.7	49.9
	\$25,000 to \$49,999	13.1	104.3
	\$50,000 to \$74,999	14.1	107.5
	\$75,000 to \$99,999	14.6	77.4
	\$100,000 to \$149,999	13.7	65.4
	\$150,000 or more	24.7	67.3
Education	Less than high school	11.9	77.0
	High school graduate	16.3	170.9
	Some college/tech. school	14.1	149.1
	Bachelor's degree	17.4	115.4
	Post-graduate degree	9.3	43.5
Place of residence	Non-metropolitan	26.0	76.3
	Metropolitan	13.4	500.5

Massachusetts (n=1,388)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	13.1	647.9
Age	Under 30	22.9	265.1
	30-50	13.6	283.5
	51 & older	5.8	99.3
Gender	Male	16.6	387.4
	Female	10.0	260.5
Race/ethnicity	White	12.6	519.0
	Black	6.0	13.7
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	12.0	33.9
Annual family income	\$25,000 or less	11.6	70.0
	\$25,000 to \$49,999	13.3	120.1
	\$50,000 to \$74,999	12.8	112.4
	\$75,000 to \$99,999	17.4	107.0
	\$100,000 to \$149,999	14.8	80.9
	\$150,000 or more	8.3	28.6
Education	Less than high school	15.0	111.1
	High school graduate	15.4	199.7
	Some college/tech. school	14.3	179.1
	Bachelor's degree	9.9	88.9
	Post-graduate degree	9.1	53.1
Place of residence	Non-metropolitan	25.8	4.9
	Metropolitan	13.1	643.0

Michigan (n=2,106)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	19.9	1,497.1
Age	Under 30	29.1	536.4
	30-50	23.5	736.8
	51 & older	8.8	223.9
Gender	Male	25.5	926.5
	Female	14.7	570.6
Race/ethnicity	White	21.9	1,326.9
	Black	8.5	83.3
	American Indian	22.3	8.6
	Asian/Pacific Islander	.	.
	Hispanic	27.3	57.1

Demographic	Strata	Percent participating	Participants (1000s)
Annual family income	\$25,000 or less	12.4	137.5
	\$25,000 to \$49,999	20.3	351.0
	\$50,000 to \$74,999	22.1	320.5
	\$75,000 to \$99,999	26.6	232.6
	\$100,000 to \$149,999	18.6	127.3
	\$150,000 or more	28.7	93.1
Education	Less than high school	16.1	203.6
	High school graduate	21.1	470.0
	Some college/tech. school	22.0	505.7
	Bachelor's degree	20.9	193.4
	Post-graduate degree	16.3	83.8
Place of residence	Non-metropolitan	29.6	396.6
	Metropolitan	17.8	1,100.5

Minnesota (n=1,265)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	23.9	892.1
Age	Under 30	34.5	319.3
	30-50	24.0	380.8
	51 & older	15.7	192.0
Gender	Male	30.2	550.2
	Female	18.0	341.9
Race/ethnicity	White	24.0	808.1
	Black	.	.
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	.	.
Annual family income	\$25,000 or less	20.1	85.3
	\$25,000 to \$49,999	25.5	210.9
	\$50,000 to \$74,999	24.5	194.6
	\$75,000 to \$99,999	27.6	127.2
	\$100,000 to \$149,999	19.7	63.8
	\$150,000 or more	19.7	33.6
Education	Less than high school	30.8	145.1
	High school graduate	24.3	246.7
	Some college/tech. school	26.7	317.8
	Bachelor's degree	19.1	122.1
	Post-graduate degree	11.1	29.1
Place of residence	Non-metropolitan	28.3	312.8
	Metropolitan	22.1	579.3

Mississippi (n=1,390)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	23.2	493.7
Age	Under 30	36.2	212.0
	30-50	22.3	185.4
	51 & older	13.5	96.3
Gender	Male	28.3	286.0
	Female	18.5	207.7
Race/ethnicity	White	28.8	390.9
	Black	14.9	106.0
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	.	.
Annual family income	\$25,000 or less	11.0	63.8
	\$25,000 to \$49,999	28.6	166.0
	\$50,000 to \$74,999	30.5	105.7
	\$75,000 to \$99,999	37.6	57.0
	\$100,000 to \$149,999	22.3	19.5
	\$150,000 or more	.	.
Education	Less than high school	16.5	92.3
	High school graduate	20.7	122.8
	Some college/tech. school	30.4	176.6
	Bachelor's degree	31.6	64.9
	Post-graduate degree	21.2	21.8
Place of residence	Non-metropolitan	24.2	329.4
	Metropolitan	21.5	164.3

Missouri (n=1,583)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	21.1	900.1
Age	Under 30	32.8	344.0
	30-50	22.0	375.6
	51 & older	12.0	180.4
Gender	Male	27.6	564.5
	Female	15.1	335.6

Demographic	Strata	Percent participating	Participants (1000s)
Race/ethnicity	White	22.9	832.9
	Black	11.5	50.5
	American Indian	25.3	4.5
	Asian/Pacific Islander	.	.
	Hispanic	.	.
Annual family income	\$25,000 or less	18.2	138.6
	\$25,000 to \$49,999	21.7	245.4
	\$50,000 to \$74,999	20.9	166.1
	\$75,000 to \$99,999	26.9	105.6
	\$100,000 to \$149,999	24.0	62.0
	\$150,000 or more	17.3	23.4
Education	Less than high school	29.0	229.8
	High school graduate	21.2	281.4
	Some college/tech. school	20.1	235.6
	Bachelor's degree	14.8	80.0
	Post-graduate degree	8.5	23.4
Place of residence	Non-metropolitan	29.5	400.1
	Metropolitan	17.1	500.0

Montana (n=619)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	29.1	200.8
Age	Under 30	54.0	88.5
	30-50	29.9	82.9
	51 & older	11.8	29.4
Gender	Male	37.6	128.1
	Female	20.7	72.7
Race/ethnicity	White	30.0	189.2
	Black	.	.
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	.	.
Annual family income	\$25,000 or less	13.0	19.0
	\$25,000 to \$49,999	37.4	75.5
	\$50,000 to \$74,999	37.5	45.5
	\$75,000 to \$99,999	32.0	14.9
	\$100,000 to \$149,999	.	.
	\$150,000 or more	.	.

Demographic	Strata	Percent participating	Participants (1000s)
Education	Less than high school	20.2	18.7
	High school graduate	32.3	66.5
	Some college/tech. school	36.7	80.0
	Bachelor's degree	28.1	29.3
	Post-graduate degree	15.8	6.6
Place of residence	Non-metropolitan	30.9	141.3
	Metropolitan	25.5	59.5

Nebraska (n=780)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	18.1	234.8
Age	Under 30	30.9	103.9
	30-50	17.8	91.2
	51 & older	8.9	39.7
Gender	Male	22.5	142.5
	Female	13.9	92.3
Race/ethnicity	White	18.3	211.1
	Black	.	.
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	.	.
Annual family income	\$25,000 or less	19.9	39.4
	\$25,000 to \$49,999	15.7	55.2
	\$50,000 to \$74,999	20.6	55.0
	\$75,000 to \$99,999	18.3	22.1
	\$100,000 to \$149,999	19.2	14.7
	\$150,000 or more	.	.
Education	Less than high school	19.7	35.1
	High school graduate	23.0	86.9
	Some college/tech. school	16.1	67.6
	Bachelor's degree	11.2	21.2
	Post-graduate degree	10.1	8.0
Place of residence	Non-metropolitan	22.0	135.5
	Metropolitan	14.6	99.3

Nevada (n=624)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	23.8	360.3

Demographic	Strata	Percent participating	Participants (1000s)
Age	Under 30	35.3	132.1
	30-50	26.1	166.7
	51 & older	12.3	61.5
Gender	Male	24.4	187.8
	Female	23.2	172.5
Race/ethnicity	White	31.0	322.8
	Black	.	.
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	15.4	39.6
Annual family income	\$25,000 or less	22.4	49.3
	\$25,000 to \$49,999	22.2	82.5
	\$50,000 to \$74,999	19.8	59.0
	\$75,000 to \$99,999	32.9	52.1
	\$100,000 to \$149,999	36.3	39.2
	\$150,000 or more	.	.
Education	Less than high school	24.7	76.3
	High school graduate	13.8	60.0
	Some college/tech. school	31.9	153.6
	Bachelor's degree	25.1	40.8
	Post-graduate degree	25.0	19.8
Place of residence	Non-metropolitan	43.0	81.8
	Metropolitan	21.0	278.5

New Hampshire (n=570)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	19.7	186.3
Age	Under 30	40.3	83.1
	30-50	18.8	78.7
	51 & older	7.7	24.6
Gender	Male	21.4	98.2
	Female	18.1	88.1
Race/ethnicity	White	19.8	179.6
	Black	.	.
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	.	.

Demographic	Strata	Percent participating	Participants (1000s)
Annual family income	\$25,000 or less	15.8	15.9
	\$25,000 to \$49,999	14.3	30.2
	\$50,000 to \$74,999	27.8	56.5
	\$75,000 to \$99,999	20.9	25.0
	\$100,000 to \$149,999	16.3	14.2
	\$150,000 or more	.	.
Education	Less than high school	24.7	30.8
	High school graduate	23.4	63.8
	Some college/tech. school	18.4	50.4
	Bachelor's degree	14.9	23.9
	Post-graduate degree	11.8	9.6
Place of residence	Non-metropolitan	25.9	65.4
	Metropolitan	17.4	120.9

New Jersey (n=1,603)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	12.7	818.0
Age	Under 30	17.9	254.5
	30-50	15.1	415.7
	51 & older	6.6	147.8
Gender	Male	15.4	473.1
	Female	10.2	344.9
Race/ethnicity	White	13.4	587.8
	Black	11.6	92.0
	American Indian	.	.
	Asian/Pacific Islander	17.2	62.3
	Hispanic	9.4	75.6
Annual family income	\$25,000 or less	8.5	64.7
	\$25,000 to \$49,999	13.4	161.6
	\$50,000 to \$74,999	13.7	158.4
	\$75,000 to \$99,999	12.2	103.9
	\$100,000 to \$149,999	14.2	120.5
	\$150,000 or more	13.8	80.4
Education	Less than high school	7.3	84.5
	High school graduate	13.8	250.7
	Some college/tech. school	16.1	245.1
	Bachelor's degree	12.4	139.2
	Post-graduate degree	15.0	92.6
Place of residence	Non-metropolitan	.	.
	Metropolitan	12.7	818.0

New Mexico (n=689)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	25.6	345.4
Age	Under 30	46.3	160.9
	30-50	24.1	132.0
	51 & older	11.6	52.5
Gender	Male	30.7	201.6
	Female	20.7	143.8
Race/ethnicity	White	27.5	181.7
	Black	.	.
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	24.5	129.3
Annual family income	\$25,000 or less	24.7	83.3
	\$25,000 to \$49,999	21.7	78.4
	\$50,000 to \$74,999	30.0	63.7
	\$75,000 to \$99,999	39.5	42.2
	\$100,000 to \$149,999	22.5	15.7
	\$150,000 or more	.	.
Education	Less than high school	21.7	62.5
	High school graduate	27.9	98.2
	Some college/tech. school	30.9	118.7
	Bachelor's degree	27.0	42.7
	Post-graduate degree	14.9	16.6
Place of residence	Non-metropolitan	22.6	131.7
	Metropolitan	27.8	213.7

New York (n=3,353)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	13.1	1,913.0
Age	Under 30	19.8	699.4
	30-50	16.2	977.5
	51 & older	4.7	236.1
Gender	Male	16.3	1,129.4
	Female	10.2	783.6

Demographic	Strata	Percent participating	Participants (1000s)
Race/ethnicity	White	15.7	1,467.6
	Black	10.0	203.8
	American Indian	19.1	7.0
	Asian/Pacific Islander	10.6	87.2
	Hispanic	8.9	180.4
Annual family income	\$25,000 or less	9.8	254.2
	\$25,000 to \$49,999	12.8	387.9
	\$50,000 to \$74,999	14.7	353.2
	\$75,000 to \$99,999	15.1	224.8
	\$100,000 to \$149,999	12.7	166.6
	\$150,000 or more	20.4	179.6
Education	Less than high school	10.4	313.4
	High school graduate	13.8	534.6
	Some college/tech. school	15.3	557.6
	Bachelor's degree	13.0	274.6
	Post-graduate degree	11.8	173.7
Place of residence	Non-metropolitan	24.9	288.4
	Metropolitan	12.1	1,624.6

North Carolina (n=2,382)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	20.7	1,286.2
Age	Under 30	32.3	513.3
	30-50	22.0	557.9
	51 & older	10.4	215.0
Gender	Male	27.8	834.8
	Female	14.1	451.4
Race/ethnicity	White	25.4	1,139.0
	Black	10.2	127.0
	American Indian	36.4	25.1
	Asian/Pacific Islander	.	.
	Hispanic	8.0	21.3
Annual family income	\$25,000 or less	17.5	197.5
	\$25,000 to \$49,999	23.2	373.5
	\$50,000 to \$74,999	20.3	235.6
	\$75,000 to \$99,999	23.2	130.0
	\$100,000 to \$149,999	13.9	53.9
	\$150,000 or more	28.4	61.6

Demographic	Strata	Percent participating	Participants (1000s)
Education	Less than high school	20.4	273.6
	High school graduate	23.5	403.6
	Some college/tech. school	20.5	350.5
	Bachelor's degree	19.8	169.7
	Post-graduate degree	14.2	53.6
Place of residence	Non-metropolitan	22.1	443.4
	Metropolitan	20.1	842.8

North Dakota (n=603)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	25.8	127.6
Age	Under 30	40.7	53.2
	30-50	27.5	52.0
	51 & older	12.7	22.4
Gender	Male	33.1	81.3
	Female	18.5	46.3
Race/ethnicity	White	26.3	121.6
	Black	.	.
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	.	.
Annual family income	\$25,000 or less	20.3	17.9
	\$25,000 to \$49,999	29.9	42.3
	\$50,000 to \$74,999	19.1	18.3
	\$75,000 to \$99,999	44.6	16.2
	\$100,000 to \$149,999	.	.
	\$150,000 or more	.	.
Education	Less than high school	22.1	16.8
	High school graduate	25.2	32.7
	Some college/tech. school	31.7	55.6
	Bachelor's degree	25.9	18.4
	Post-graduate degree	15.7	3.5
Place of residence	Non-metropolitan	25.4	70.0
	Metropolitan	26.4	57.6

Ohio (n=2,358)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	15.6	1,354.4

Demographic	Strata	Percent participating	Participants (1000s)
Age	Under 30	28.2	588.7
	30-50	16.5	582.7
	51 & older	6.0	182.9
Gender	Male	20.8	857.7
	Female	11.0	496.7
Race/ethnicity	White	16.5	1,224.3
	Black	11.3	102.5
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	.	.
Annual family income	\$25,000 or less	16.4	223.4
	\$25,000 to \$49,999	13.4	290.1
	\$50,000 to \$74,999	18.3	315.6
	\$75,000 to \$99,999	16.6	151.4
	\$100,000 to \$149,999	17.7	107.3
	\$150,000 or more	12.3	37.1
Education	Less than high school	18.6	276.1
	High school graduate	17.1	507.3
	Some college/tech. school	15.5	354.7
	Bachelor's degree	11.4	122.1
	Post-graduate degree	9.4	51.1
Place of residence	Non-metropolitan	21.2	346.1
	Metropolitan	14.4	1,008.3

Oklahoma (n=1,140)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	24.1	632.0
Age	Under 30	34.1	233.1
	30-50	25.5	259.9
	51 & older	15.0	139.0
Gender	Male	28.3	361.1
	Female	20.0	270.9
Race/ethnicity	White	22.6	456.7
	Black	50.3	91.2
	American Indian	22.7	41.0
	Asian/Pacific Islander	.	.
	Hispanic	12.5	14.4

Demographic	Strata	Percent participating	Participants (1000s)
Annual family income	\$25,000 or less	23.7	139.4
	\$25,000 to \$49,999	21.1	154.9
	\$50,000 to \$74,999	26.9	121.4
	\$75,000 to \$99,999	27.3	55.3
	\$100,000 to \$149,999	29.5	36.0
	\$150,000 or more	24.6	15.7
Education	Less than high school	31.7	161.7
	High school graduate	22.5	178.3
	Some college/tech. school	21.3	162.2
	Bachelor's degree	18.1	56.2
	Post-graduate degree	15.7	23.3
Place of residence	Non-metropolitan	24.1	248.4
	Metropolitan	24.0	383.6

Oregon (n=930)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	22.0	580.7
Age	Under 30	25.3	165.1
	30-50	23.3	249.8
	51 & older	18.2	165.9
Gender	Male	27.2	352.1
	Female	17.0	228.6
Race/ethnicity	White	23.1	520.5
	Black	.	.
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	21.2	37.0
Annual family income	\$25,000 or less	17.6	73.2
	\$25,000 to \$49,999	19.7	129.9
	\$50,000 to \$74,999	26.2	129.7
	\$75,000 to \$99,999	31.4	79.3
	\$100,000 to \$149,999	25.9	45.0
	\$150,000 or more	.	.
Education	Less than high school	19.4	79.9
	High school graduate	24.3	164.9
	Some college/tech. school	26.9	234.5
	Bachelor's degree	19.6	75.2
	Post-graduate degree	14.5	28.1
Place of residence	Non-metropolitan	28.2	199.2
	Metropolitan	19.8	381.5

Pennsylvania (n=2,474)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	19.3	1,841.3
Age	Under 30	30.4	646.2
	30-50	22.5	853.7
	51 & older	9.5	341.4
Gender	Male	23.2	1,052.0
	Female	15.7	789.3
Race/ethnicity	White	19.4	1,585.1
	Black	20.9	179.3
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	19.7	50.6
Annual family income	\$25,000 or less	15.2	234.6
	\$25,000 to \$49,999	19.6	469.6
	\$50,000 to \$74,999	21.7	393.3
	\$75,000 to \$99,999	20.1	191.0
	\$100,000 to \$149,999	23.9	159.8
	\$150,000 or more	15.3	56.5
Education	Less than high school	20.8	352.0
	High school graduate	19.7	675.2
	Some college/tech. school	20.4	444.5
	Bachelor's degree	18.0	221.4
	Post-graduate degree	11.7	80.5
Place of residence	Non-metropolitan	31.5	462.6
	Metropolitan	17.0	1,378.7

Rhode Island (n=569)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	11.5	93.9
Age	Under 30	20.9	40.8
	30-50	12.4	40.9
	51 & older	4.2	12.2
Gender	Male	12.5	48.1
	Female	10.6	45.8

Race/ethnicity	White	12.3	84.6
	Black	.	.
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	12.7	7.4
Annual family income	\$25,000 or less	5.9	7.6
	\$25,000 to \$49,999	12.6	21.8
	\$50,000 to \$74,999	10.9	17.0
	\$75,000 to \$99,999	20.8	18.8
	\$100,000 to \$149,999	7.3	4.8
	\$150,000 or more	11.5	3.8
Education	Less than high school	12.5	21.4
	High school graduate	12.1	26.3
	Some college/tech. school	15.9	34.2
	Bachelor's degree	6.2	7.3
	Post-graduate degree	7.8	5.2
Place of residence	Non-metropolitan	.	.
	Metropolitan	11.5	93.9

South Carolina (n=1,415)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	18.9	580.2
Age	Under 30	31.2	245.2
	30-50	17.4	215.6
	51 & older	11.4	119.4
Gender	Male	23.8	349.4
	Female	14.4	230.8
Race/ethnicity	White	20.4	429.2
	Black	15.6	131.5
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	.	.
Annual family income	\$25,000 or less	11.4	71.2
	\$25,000 to \$49,999	21.2	171.6
	\$50,000 to \$74,999	24.8	140.3
	\$75,000 to \$99,999	12.7	34.1
	\$100,000 to \$149,999	21.3	36.5
	\$150,000 or more	14.0	12.4

Demographic	Strata	Percent participating	Participants (1000s)
Education	Less than high school	20.3	144.2
	High school graduate	15.2	135.2
	Some college/tech. school	22.6	183.3
	Bachelor's degree	17.8	66.4
	Post-graduate degree	16.0	28.5
Place of residence	Non-metropolitan	16.6	153.2
	Metropolitan	19.9	427.0

South Dakota (n=623)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	27.4	156.0
Age	Under 30	46.0	67.1
	30-50	27.9	62.1
	51 & older	13.3	26.8
Gender	Male	35.7	99.8
	Female	19.4	56.2
Race/ethnicity	White	26.2	134.7
	Black	.	.
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	.	.
Annual family income	\$25,000 or less	23.2	24.7
	\$25,000 to \$49,999	25.6	42.5
	\$50,000 to \$74,999	31.9	34.5
	\$75,000 to \$99,999	36.6	15.4
	\$100,000 to \$149,999	34.4	8.0
	\$150,000 or more	.	.
Education	Less than high school	27.5	24.4
	High school graduate	26.8	47.0
	Some college/tech. school	28.8	50.1
	Bachelor's degree	24.4	18.9
	Post-graduate degree	36.4	10.3
Place of residence	Non-metropolitan	27.6	102.6
	Metropolitan	27.1	53.4

Tennessee (n=2,353)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	20.1	879.5

Demographic	Strata	Percent participating	Participants (1000s)
Age	Under 30	32.4	353.2
	30-50	21.2	377.5
	51 & older	9.8	148.8
Gender	Male	26.7	559.7
	Female	14.0	319.8
Race/ethnicity	White	21.8	774.0
	Black	10.2	67.0
	American Indian	15.1	1.6
	Asian/Pacific Islander	.	.
	Hispanic	16.2	14.2
Annual family income	\$25,000 or less	16.0	144.0
	\$25,000 to \$49,999	22.0	263.4
	\$50,000 to \$74,999	25.5	202.0
	\$75,000 to \$99,999	13.1	48.2
	\$100,000 to \$149,999	21.1	51.2
	\$150,000 or more	20.3	28.6
Education	Less than high school	18.4	188.3
	High school graduate	23.2	311.3
	Some college/tech. school	21.1	233.7
	Bachelor's degree	15.5	78.1
	Post-graduate degree	17.2	43.5
Place of residence	Non-metropolitan	25.9	364.5
	Metropolitan	17.4	515.0

Texas (n=3,602)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	16.6	2,548.2
Age	Under 30	27.6	1,209.3
	30-50	15.4	999.2
	51 & older	7.5	339.6
Gender	Male	21.5	1,627.2
	Female	11.8	921.0
Race/ethnicity	White	21.0	1,807.6
	Black	13.3	225.2
	American Indian	17.8	9.4
	Asian/Pacific Islander	6.5	28.2
	Hispanic	12.2	545.2

Demographic	Strata	Percent participating	Participants (1000s)
Annual family income	\$25,000 or less	13.6	434.3
	\$25,000 to \$49,999	15.7	603.6
	\$50,000 to \$74,999	21.2	564.5
	\$75,000 to \$99,999	14.5	212.7
	\$100,000 to \$149,999	15.4	174.7
	\$150,000 or more	26.4	179.1
Education	Less than high school	14.2	532.2
	High school graduate	18.1	678.3
	Some college/tech. school	19.4	817.2
	Bachelor's degree	15.8	330.2
	Post-graduate degree	14.5	141.0
Place of residence	Non-metropolitan	18.6	436.0
	Metropolitan	16.1	2,112.2

Utah (n=718)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	31.1	489.3
Age	Under 30	36.1	206.5
	30-50	36.8	218.4
	51 & older	15.7	64.4
Gender	Male	36.8	287.3
	Female	25.4	202.0
Race/ethnicity	White	33.4	455.2
	Black	.	.
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	19.1	24.6
Annual family income	\$25,000 or less	33.8	76.7
	\$25,000 to \$49,999	23.4	103.2
	\$50,000 to \$74,999	34.5	120.5
	\$75,000 to \$99,999	36.6	66.5
	\$100,000 to \$149,999	41.0	49.1
	\$150,000 or more	.	.
Education	Less than high school	33.7	69.7
	High school graduate	29.1	109.5
	Some college/tech. school	33.8	198.7
	Bachelor's degree	25.9	58.3
	Post-graduate degree	29.6	29.1
Place of residence	Non-metropolitan	41.7	154.3
	Metropolitan	27.8	335.0

Vermont (n=514)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	18.8	88.8
Age	Under 30	21.6	23.2
	30-50	24.4	48.3
	51 & older	10.4	17.3
Gender	Male	24.0	54.6
	Female	14.0	34.2
Race/ethnicity	White	19.6	89.2
	Black	.	.
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	.	.
Annual family income	\$25,000 or less	15.9	10.9
	\$25,000 to \$49,999	21.6	26.3
	\$50,000 to \$74,999	16.6	15.3
	\$75,000 to \$99,999	12.0	5.3
	\$100,000 to \$149,999	30.1	8.3
	\$150,000 or more	.	.
Education	Less than high school	21.6	13.7
	High school graduate	23.1	33.7
	Some college/tech. school	19.8	24.2
	Bachelor's degree	13.7	10.7
	Post-graduate degree	7.6	3.4
Place of residence	Non-metropolitan	20.8	66.4
	Metropolitan	14.5	22.4

Virginia (n=1,718)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	21.5	1,172.0
Age	Under 30	29.4	396.4
	30-50	26.0	605.6
	51 & older	9.6	170.0
Gender	Male	25.4	671.2
	Female	17.8	500.8

Demographic	Strata	Percent participating	Participants (1000s)
Race/ethnicity	White	23.7	928.6
	Black	13.0	130.9
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	16.6	38.8
Annual family income	\$25,000 or less	17.8	138.9
	\$25,000 to \$49,999	21.2	259.3
	\$50,000 to \$74,999	20.0	199.5
	\$75,000 to \$99,999	25.1	148.6
	\$100,000 to \$149,999	27.6	140.8
	\$150,000 or more	33.4	104.6
Education	Less than high school	20.1	199.4
	High school graduate	21.3	296.9
	Some college/tech. school	25.5	371.7
	Bachelor's degree	20.3	179.7
	Post-graduate degree	17.1	91.7
Place of residence	Non-metropolitan	28.1	334.7
	Metropolitan	19.7	837.3

Washington (n=1,270)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	22.5	1,009.4
Age	Under 30	39.3	439.5
	30-50	22.9	441.4
	51 & older	8.9	128.5
Gender	Male	25.6	564.8
	Female	19.6	444.6
Race/ethnicity	White	24.3	885.3
	Black	.	.
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	10.7	29.5
Annual family income	\$25,000 or less	22.1	135.3
	\$25,000 to \$49,999	23.0	234.2
	\$50,000 to \$74,999	27.5	241.7
	\$75,000 to \$99,999	14.8	75.5
	\$100,000 to \$149,999	15.5	57.7
	\$150,000 or more	23.7	45.3

Education	Less than high school	26.1	162.3
	High school graduate	27.8	304.8
	Some college/tech. school	24.5	371.0
	Bachelor's degree	11.8	86.0
	Post-graduate degree	10.7	37.8
Place of residence	Non-metropolitan	32.1	243.4
	Metropolitan	20.6	766.0

West Virginia (n=1,034)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	34.5	495.3
Age	Under 30	47.2	156.1
	30-50	43.9	241.1
	51 & older	17.7	98.0
Gender	Male	44.1	303.9
	Female	25.6	191.4
Race/ethnicity	White	35.5	483.9
	Black	.	.
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	.	.
Annual family income	\$25,000 or less	24.3	92.9
	\$25,000 to \$49,999	37.8	154.7
	\$50,000 to \$74,999	42.2	94.2
	\$75,000 to \$99,999	48.0	45.0
	\$100,000 to \$149,999	41.8	20.9
	\$150,000 or more	.	.
Education	Less than high school	29.0	98.2
	High school graduate	35.3	189.7
	Some college/tech. school	37.8	121.1
	Bachelor's degree	44.2	51.5
	Post-graduate degree	25.0	18.3
Place of residence	Non-metropolitan	37.1	307.1
	Metropolitan	30.9	188.2

Wisconsin (n=2,780)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	26.3	1,078.1

Demographic	Strata	Percent participating	Participants (1000s)
Age	Under 30	35.6	356.8
	30-50	31.0	524.9
	51 & older	14.0	196.3
Gender	Male	35.3	706.2
	Female	17.7	371.9
Race/ethnicity	White	27.2	994.7
	Black	12.9	25.2
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	31.7	39.1
Annual family income	\$25,000 or less	17.3	89.8
	\$25,000 to \$49,999	30.2	301.2
	\$50,000 to \$74,999	28.3	257.2
	\$75,000 to \$99,999	28.3	131.3
	\$100,000 to \$149,999	31.6	88.3
	\$150,000 or more	25.8	33.3
Education	Less than high school	24.6	152.4
	High school graduate	26.8	357.7
	Some college/tech. school	31.9	376.6
	Bachelor's degree	24.0	134.0
	Post-graduate degree	14.0	34.7
Place of residence	Non-metropolitan	32.9	432.6
	Metropolitan	23.2	645.5

Wyoming (n=510)

Demographic	Strata	Percent participating	Participants (1000s)
All Groups	All people age 16 & older	33.8	127.2
Age	Under 30	56.5	54.0
	30-50	27.0	41.6
	51 & older	25.0	31.6
Gender	Male	40.1	75.5
	Female	27.4	51.7
Race/ethnicity	White	36.1	122.5
	Black	.	.
	American Indian	.	.
	Asian/Pacific Islander	.	.
	Hispanic	.	.

Demographic	Strata	Percent participating	Participants (1000s)
Annual family income	\$25,000 or less	24.5	15.9
	\$25,000 to \$49,999	32.2	33.7
	\$50,000 to \$74,999	32.2	24.2
	\$75,000 to \$99,999	47.5	16.6
	\$100,000 to \$149,999	62.7	10.9
	\$150,000 or more	.	.
Education	Less than high school	47.3	22.8
	High school graduate	23.0	25.8
	Some college/tech. school	40.4	52.2
	Bachelor's degree	26.6	13.0
	Post-graduate degree	41.0	9.0
Place of residence	Non-metropolitan	37.5	98.7
	Metropolitan	25.2	28.5

Source: 2000 Census of Population and Housing. Summary Files 1 (age, gender, race/ethnicity, residence) and 3 (education, income). NSRE 1999-2004. Versions 1-18, except 3 and 6.

Appendix 5: Sample size of persons age 16 or older responding to questions about off-highway vehicle use, by demographic category and region, 1999-2004.

Demographic	Strata	Regions				
		North	South	Mid-West	West	Pacific
All Groups	All age 16 & older	25,017	25,341	6,829	5,851	8,637
Age	Under 30	5,089	5,593	1,402	1,281	2,126
	30-50	10,736	10,319	2,798	2,395	3,604
	51 & older	8,680	9,024	2,530	2,101	2,738
Gender	Male	10,779	10,646	2,968	2,698	3,940
	Female	14,171	14,603	3,846	3,143	4,670
Race/ethnicity	White	20,936	19,989	6,237	4,848	6,103
	Black	1,716	2,763	155	97	309
	American Indian	250	377	114	106	171
	Asian/Pacific Islander	337	181	40	56	545
	Hispanic	1,006	1,445	140	597	1,176
Annual family income	\$25,000 or less	4,606	5,249	1,548	1,189	1,616
	\$25,000 to \$49,999	7,787	8,053	2,511	2,143	2,472
	\$50,000 to \$74,999	5,734	5,466	1,491	1,312	1,976
	\$75,000 to \$99,999	3,067	2,717	630	572	1,074
	\$100,000 to \$149,999	2,474	1,931	461	415	903
	\$150,000 or more	1,282	1,011	188	220	596
Education	Less than High School	2,091	3,059	635	558	887
	High school graduate	6,746	6,808	1,942	1,455	1,795
	Some college/ tech. school	6,869	7,390	2,116	1,877	2,757
	Bachelor's degree	5,317	4,800	1,398	1,203	1,845
	Post-graduate degree	3,621	2,855	629	666	1,205
Place of residence	Non-metropolitan	6,573	10,177	3,665	2,492	1,776
	Metropolitan	18,444	15,164	3,164	3,359	6,861

Appendix 6: Comparisons of sample sizes by state and demographic characteristics.

Demographic	Strata	States					
		AL	AK	AZ	AR	CA	CO
All Groups	All age 16 & older	2,251	519	1,023	1,071	5,347	1,026
Age	Under 30	489	112	209	224	1,397	247
	30-50	895	250	388	417	2,192	449
	51 & older	837	146	410	419	1,639	319
Gender	Male	872	261	459	459	2,431	480
	Female	1,366	257	563	611	2,896	543
Race/ethnicity	White	1,758	412	803	924	3,518	845
	Black	341	19	28	84	252	25
	American Indian	42	52	21	20	77	11
	Asian/Pacific Islander	15	11	12	2	258	7
	Hispanic	63	12	134	22	1,010	105
Annual family income	\$25,000 or less	515	75	209	257	975	161
	\$25,000 to \$49,999	671	143	351	339	1,452	368
	\$50,000 to \$74,999	477	156	222	258	1,149	233
	\$75,000 to \$99,999	191	57	117	128	706	119
	\$100,000 to \$149,999	147	53	82	62	609	84
	\$150,000 or more	51	35	42	27	456	61
Education	Less than High School	282	48	98	141	601	87
	High school graduate	637	99	225	320	1,066	227
	Some college / tech. school	653	186	312	287	1,671	317
	Bachelor's degree	406	96	228	215	1,161	239
	Post-graduate degree	238	80	110	93	754	145
Place of residence	Non-metropolitan	816	271	246	610	680	260
	Metropolitan	1,435	248	777	461	4,667	766

States (continued)

Demographic	Strata	CT	DE	DC	FL	GA	HI
All Groups	All age 16 & older	936	513	503	2,764	2,916	571
Age	Under 30	174	112	131	592	701	138
	30-50	407	206	230	1,034	1,264	246
	51 & older	330	183	126	1,076	917	176
Gender	Male	433	214	221	1,217	1,218	254
	Female	502	296	282	1,536	1,689	316
Race/ethnicity	White	791	432	238	2,163	2,143	252
	Black	43	36	198	219	487	12
	American Indian	8	6	5	31	31	4
	Asian/Pacific Islander	18	7	12	30	22	231
	Hispanic	46	15	27	247	171	47
Annual family income	\$25,000 or less	111	95	82	531	467	84
	\$25,000 to \$49,999	259	147	142	910	807	197
	\$50,000 to \$74,999	202	124	108	641	596	144
	\$75,000 to \$99,999	140	59	51	291	397	58
	\$100,000 to \$149,999	122	58	66	230	244	51
	\$150,000 or more	102	30	48	129	176	37
Education	Less than High School	65	55	37	275	339	33
	High school graduate	201	131	60	666	734	137
	Some college / tech. school	249	142	96	893	840	161
	Bachelor's degree	215	114	146	536	614	138
	Post-graduate degree	194	62	156	347	340	92
Place of residence	Non-metropolitan	128	179	.	691	1,037	166
	Metropolitan	808	334	503	2,073	1,879	405

States (continued)

Demographic	Strata	ID	IL	IN	IA	KS	KY
All Groups	All age 16 & older	642	2,367	1,444	995	980	1,470
Age	Under 30	149	537	302	201	206	294
	30-50	276	1,010	611	401	406	653
	51 & older	215	783	516	381	350	506
Gender	Male	287	992	589	415	412	587
	Female	354	1,372	853	578	568	880
Race/ethnicity	White	573	1,952	1,303	937	877	1,352
	Black	3	164	56	12	29	47
	American Indian	13	13	11	3	18	13
	Asian/Pacific Islander	4	31	12	10	5	3
	Hispanic	27	150	29	18	36	27
Annual family income	\$25,000 or less	154	413	273	209	191	400
	\$25,000 to \$49,999	239	733	486	391	315	521
	\$50,000 to \$74,999	138	553	412	206	266	291
	\$75,000 to \$99,999	40	289	130	101	90	107
	\$100,000 to \$149,999	50	254	106	64	88	83
	\$150,000 or more	21	125	37	24	30	40
Education	Less than High School	72	197	152	90	82	215
	High school graduate	172	586	473	312	261	473
	Some college / tech. school	193	724	438	297	329	409
	Bachelor's degree	121	524	232	194	202	205
	Post-graduate degree	71	308	130	84	92	144
Place of residence	Non-metropolitan	438	608	551	586	537	909
	Metropolitan	204	1,759	893	409	443	561

States (continued)

Demographic	Strata	LA	ME	MD	MA	MI	MN
All Groups	All age 16 & older	1,209	648	1,257	1,388	2,106	1,265
Age	Under 30	317	118	253	254	413	221
	30-50	485	262	557	619	875	563
	51 & older	389	257	415	479	786	458
Gender	Male	483	285	538	602	908	584
	Female	724	362	715	783	1,188	677
Race/ethnicity	White	909	606	917	1,200	1,814	1,176
	Black	230	5	210	42	123	20
	American Indian	9	8	11	13	35	13
	Asian/Pacific Islander	9	1	27	20	18	7
	Hispanic	19	8	44	66	50	23
Annual family income	\$25,000 or less	332	146	150	224	383	191
	\$25,000 to \$49,999	338	219	375	388	676	448
	\$50,000 to \$74,999	234	176	273	342	484	318
	\$75,000 to \$99,999	151	67	156	171	283	149
	\$100,000 to \$149,999	104	36	168	165	209	103
	\$150,000 or more	50	4	120	98	71	56
Education	Less than High School	149	56	105	92	197	102
	High school graduate	349	181	256	281	564	300
	Some college / tech. school	345	184	341	345	660	397
	Bachelor's degree	210	136	301	363	394	310
	Post-graduate degree	128	85	235	283	262	129
Place of residence	Non-metropolitan	452	374	188	152	648	517
	Metropolitan	757	274	1,069	1,236	1,458	748

States (continued)

Demographic	Strata	MS	MO	MT	NE	NV	NH
All Groups	All age 16 & older	1,151	1,583	619	780	624	570
Age	Under 30	284	322	113	197	125	92
	30-50	455	626	251	292	282	264
	51 & older	386	614	245	283	205	200
Gender	Male	457	660	291	329	295	242
	Female	685	920	326	448	327	327
Race/ethnicity	White	837	1,395	577	711	474	531
	Black	257	76	0	15	24	2
	American Indian	15	30	18	9	6	7
	Asian/Pacific Islander	2	12	3	4	14	3
	Hispanic	20	24	11	28	90	6
Annual family income	\$25,000 or less	270	404	134	206	113	95
	\$25,000 to \$49,999	391	582	281	297	192	155
	\$50,000 to \$74,999	261	327	112	134	144	154
	\$75,000 to \$99,999	112	134	51	72	85	92
	\$100,000 to \$149,999	76	106	17	49	63	56
	\$150,000 or more	26	30	24	22	27	18
Education	Less than High School	158	166	57	84	72	30
	High school graduate	306	482	165	226	148	134
	Some college / tech. school	357	473	199	237	224	153
	Bachelor's degree	199	285	142	155	109	155
	Post-graduate degree	107	157	51	66	60	87
Place of residence	Non-metropolitan	794	732	392	439	154	217
	Metropolitan	357	851	227	341	470	353

States (continued)

Demographic	Strata	NJ	NM	NY	NC	ND	OH
All Groups	All age 16 & older	1,603	689	3,353	2,382	603	2,358
Age	Under 30	337	145	760	499	120	469
	30-50	695	265	1,481	965	254	1,003
	51 & older	514	267	1,032	891	220	847
Gender	Male	735	323	1,400	1,008	287	998
	Female	860	366	1,940	1,365	314	1,354
Race/ethnicity	White	1,205	466	2,472	1,938	566	2,093
	Black	163	11	328	275	1	140
	American Indian	10	20	38	43	13	26
	Asian/Pacific Islander	55	4	74	13	2	16
	Hispanic	112	168	309	77	6	23
Annual family income	\$25,000 or less	198	183	614	476	158	465
	\$25,000 to \$49,999	317	238	1,036	771	234	827
	\$50,000 to \$74,999	335	140	743	482	129	502
	\$75,000 to \$99,999	301	54	419	259	48	286
	\$100,000 to \$149,999	296	48	357	175	20	172
	\$150,000 or more	156	26	184	120	14	92
Education	Less than High School	114	84	282	289	54	185
	High school graduate	366	175	825	641	162	776
	Some college / tech. school	413	197	915	706	191	643
	Bachelor's degree	413	132	687	451	133	473
	Post-graduate degree	258	92	602	258	52	252
Place of residence	Non-metropolitan	.	397	576	1,140	374	664
	Metropolitan	1,603	292	2,777	1,242	229	1,694

States (continued)

Demographic	Strata	OK	OR	PA	RI	SC	SD
All Groups	All age 16 & older	1,140	930	2,474	569	1,415	623
Age	Under 30	268	200	515	105	280	135
	30-50	446	377	1,015	259	599	256
	51 & older	410	341	892	195	510	224
Gender	Male	474	423	1,079	266	603	281
	Female	663	504	1,390	302	810	341
Race/ethnicity	White	953	826	2,189	493	1,092	575
	Black	41	7	143	14	235	2
	American Indian	73	14	11	3	16	28
	Asian/Pacific Islander	8	16	19	6	9	0
	Hispanic	33	49	38	33	27	5
Annual family income	\$25,000 or less	276	228	562	94	272	189
	\$25,000 to \$49,999	401	289	847	168	448	244
	\$50,000 to \$74,999	275	216	527	117	338	111
	\$75,000 to \$99,999	105	102	272	89	136	36
	\$100,000 to \$149,999	46	68	181	61	81	31
	\$150,000 or more	37	27	80	40	61	12
Education	Less than High School	138	99	224	40	155	57
	High school graduate	317	209	832	128	391	199
	Some college / tech. school	347	293	633	158	398	192
	Bachelor's degree	199	189	479	135	261	119
	Post-graduate degree	122	124	265	103	182	49
Place of residence	Non-metropolitan	529	328	596	77	507	480
	Metropolitan	611	602	1,878	492	908	143

States (continued)

Demographic	Strata	TN	TX	UT	VT	VA	WA
All Groups	All age 16 & older	2,252	3,602	718	514	1,718	1,270
Age	Under 30	412	877	200	76	356	279
	30-50	901	1,500	266	223	705	539
	51 & older	910	1,152	245	208	621	436
Gender	Male	979	1,527	316	228	762	571
	Female	1,270	2,055	402	285	949	697
Race/ethnicity	White	1,973	2,516	647	475	1,431	1,095
	Black	148	254	5	3	145	19
	American Indian	31	38	6	9	15	24
	Asian/Pacific Islander	7	44	9	4	17	29
	Hispanic	43	635	40	9	61	58
Annual family income	\$25,000 or less	461	693	141	123	299	254
	\$25,000 to \$49,999	730	1,141	282	182	585	391
	\$50,000 to \$74,999	469	790	174	120	354	311
	\$75,000 to \$99,999	203	415	64	39	222	151
	\$100,000 to \$149,999	162	395	41	30	126	122
	\$150,000 or more	60	168	16	20	66	41
Education	Less than High School	292	455	49	34	171	106
	High school graduate	665	833	168	129	476	284
	Some college / tech. school	622	1,073	264	140	460	446
	Bachelor's degree	382	777	137	133	345	261
	Post-graduate degree	256	404	84	72	236	155
Place of residence	Non-metropolitan	926	952	210	367	814	331
	Metropolitan	1,326	2,650	508	147	904	939

States (continued)

Demographic	Strata	WV	WI	WY
All Groups	All age 16 & older	1,034	1,380	510
Age	Under 30	187	254	93
	30-50	423	596	218
	51 & older	412	505	195
Gender	Male	436	613	247
	Female	597	763	262
Race/ethnicity	White	956	1,269	463
	Black	13	33	1
	American Indian	20	16	11
	Asian/Pacific Islander	2	12	3
	Hispanic	15	26	22
Annual family income	\$25,000 or less	308	270	94
	\$25,000 to \$49,999	352	478	192
	\$50,000 to \$74,999	204	358	149
	\$75,000 to \$99,999	76	147	42
	\$100,000 to \$149,999	49	88	30
	\$150,000 or more	18	39	3
Education	Less than High School	112	114	39
	High school graduate	392	431	145
	Some college / tech. school	264	371	171
	Bachelor's degree	145	272	95
	Post-graduate degree	101	166	53
Place of residence	Non-metropolitan	676	572	395
	Metropolitan	358	808	115

Source: 2000 Census of Population and Housing, Summary Files 1 (age, gender, race/ethnicity, residence) and 3 (education, income). NSRE 1999-2004. Versions 1-18, except 3 and 6.