

2011 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation



Hunting on Public and Private Lands

In 2011, 13.7 million hunters 16 years old and older hunted on public land, private land, or both. Of this number, 4.9 million or 36 percent hunted on publicly owned lands compared to 11.5 million or 84 percent who hunted on privately owned land. Some hunters hunted exclusively on public land and others hunted exclusively on private land—1.7 million, 13 percent of all hunters, used public lands only, and 8.4 million hunted only on private land, 61 percent of all hunters. Nearly 3.2

million hunters, 23 percent, hunted on both public and private lands.

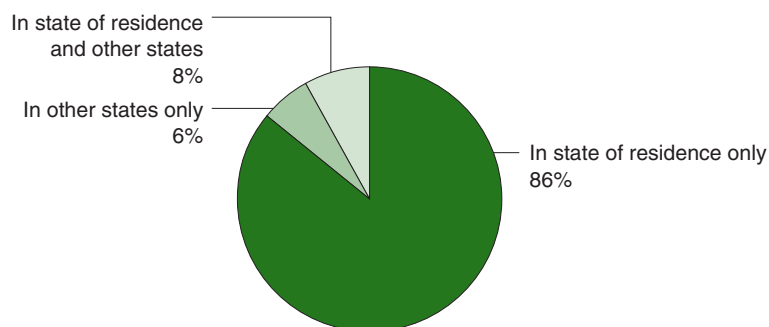
During 2011, 4.9 million hunters used public lands on 61 million days, which represents 22 percent of all hunting days. Thirty-three percent of big game hunters pursued big game on public land for 39 million days. Thirty-one percent of all small game hunters, 1.4 million, pursued small game on public land for 14 million days. An estimated 923 thousand migratory bird hunters, 36 percent, hunted migratory birds on public lands for 8 million days. Twenty-four percent, 523 thousand,

of all hunters pursued other animals on public land for over 5 million days.

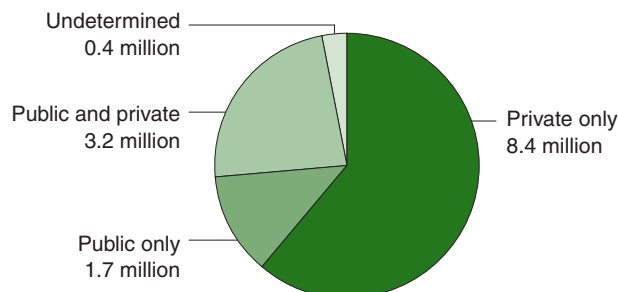
The percent of hunters on private land is similar among different types of hunting. Eighty-four percent of big game hunters hunted on private land, which compares to 83 percent seeking small game, 77 percent seeking migratory birds, and 87 percent seeking other animals.

Of all days hunting, 78 percent or 219 million were on private land. The percent of hunting days on private land varied slightly more among types of hunting than the percent of hunters. Seventy-nine percent of big game hunting days, 73 percent of small game hunting days, 57 percent of migratory bird hunting days, and 79 percent of other animal days were on private land. Total hunting days pursuing these species on private land were as follows: big game 167 million, small game 37 million, migratory bird 13 million, and other animals 27 million.

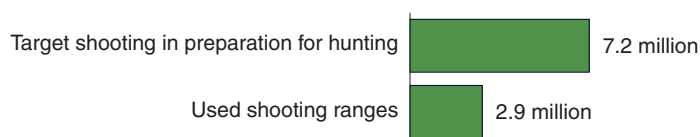
Percent of All Hunting in State of Residence and in Other States
(Total: 13.7 million participants)



People Hunting on Public and Private Lands



Number of Hunters Who Target Shoot and Use Shooting Ranges
(Total hunters: 13.7 million)



Participation in Target Shooting

In preparation for hunting, 7.2 million hunters, 52 percent of all hunters, went target shooting. Twenty-two percent of all hunters, 2.9 million, used shooting ranges. The most commonly used firearms at a shooting range were shotguns and rifles (2.3 million hunters) and handguns (1.1 million).

Sex and Age

Of the U.S. population 16 years old and older, 11 percent of the males and 1 percent of the females enjoyed hunting in 2011. Of the 13.7 million participants who hunted, 89 percent (12.2 million) were male and 11 percent (1.5 million) were female.

The participation rate in hunting tended to increase with age until individuals reached 65 years of age, and thereafter it declined. During 2011, 5 percent or 419 thousand 16- and 17-year-olds hunted. The participation rate was also 5 percent for 18- to 24-year olds and 25- to 34-year olds. The participation rate climbed to 6 percent for 35- to 44-year olds, and then to 7 percent for 45- to 54-year olds and 55- to 64-year olds. People 65 and older had a participation rate of 4 percent. However, of the 65 and older age group, those who were 65 to 74 years of age had a 5 percent hunting participation rate, while those who were 75 and older had a 2 percent rate.

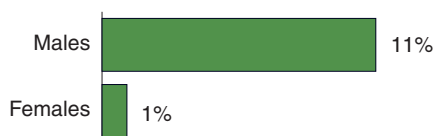
The age group that contributed the most hunters was 45 to 54 years old. About 3.1 million hunters, which was 23 percent of all hunters, were 45 to 54. Individuals 55 to 64 years old were close in total number of hunters at 2.8 million.

Hunters by Sex and Age

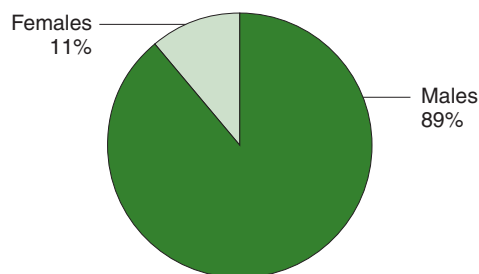
Total, both sexes . . .	13.7 million
Male	12.2 million
Female	1.5 million
Total, all ages	13.7 million
16 and 17	0.4 million
18 to 24	1.3 million
25 to 34	2.1 million
35 to 44	2.4 million
45 to 54	3.1 million
55 to 64	2.8 million
65 and older	1.5 million

Source: Table 10.

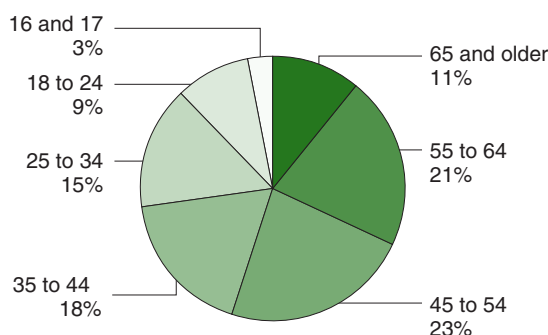
Percent of Males and Females Who Hunted in the United States



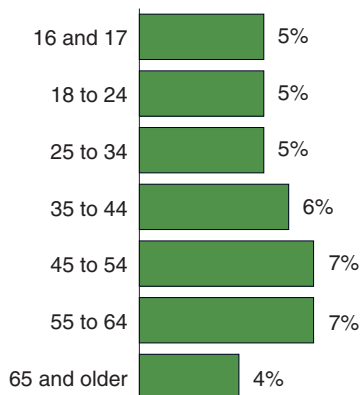
Percent of Hunters by Sex



Percent of Hunters by Age

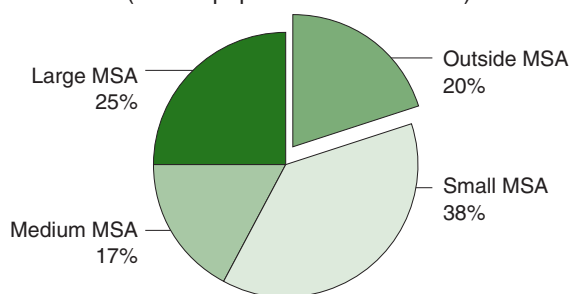


Percent of U.S. Population Who Hunted by Age



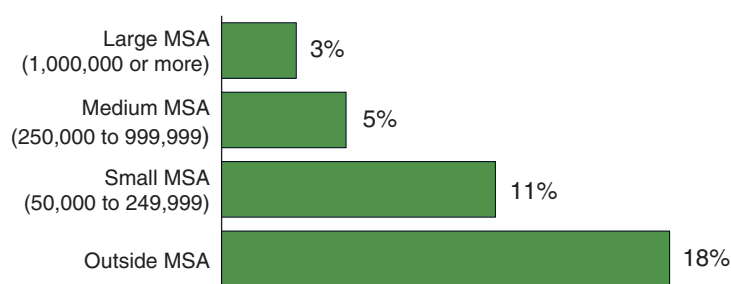
Percent of Hunters by Residence

(Hunter population: 13.7 million)

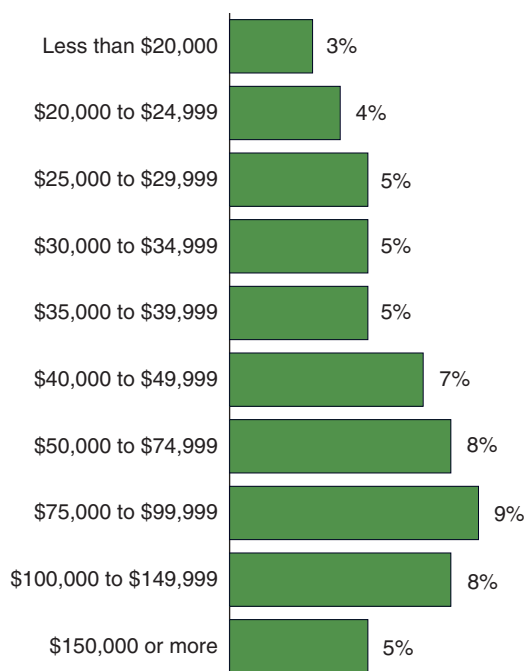


Percent of U.S. Population Who Hunted by Residence

(Total U.S. population that hunted: 6 percent)



Percent of U.S. Population Who Hunted by Household Income



Metropolitan and Nonmetropolitan Hunters

As was the case for fishing, participation rates for hunting were the lowest among residents of the largest metropolitan statistical areas (MSAs)¹ and were the highest among non-MSA residents. Residents of the MSAs with a population of 1 million or more hunted at a 3 percent rate, which compares to 18 percent of those who resided outside MSAs. Furthermore the smaller the MSA the higher the participation rate. The rate among residents of MSAs of 50,000 to 249,999 was 11 percent and among residents of MSAs with 250,000 to 999,999 inhabitants the rate was 5 percent.

Despite the lower participation rates among MSA residents, they still made up the majority of hunters. Over 10.9 million hunters were MSA residents, compared to 2.8 million who were non-metropolitan residents.

Household Income of Hunters

The participation rate in hunting increased as household income increased until it reached incomes of \$100,000 or more. The participation was highest among those with incomes of \$75,000 to \$99,999 at 9 percent. Participation rates for those who reported incomes of \$50,000 to \$74,999 and \$100,000 to \$149,999 was slightly lower at 8 percent. The participation rate in hunting for household incomes of \$40,000 to \$49,999 was 7 percent. A participation rate of 5 percent was reported for the following four income groups: \$25,000 to \$29,999; \$30,000 to \$34,999; \$35,000 to \$39,999; and \$150,000 or more. The lowest participation rate was 3 percent reported for household incomes of less than \$20,000.

The majority of hunters had household incomes of \$50,000 or more. Among hunters who reported income, 64 percent had household incomes of \$50,000 or more, and 36 percent had household incomes of less than

¹ See Appendix A for definition of metropolitan statistical area.

\$50,000. For the general population, 52 percent had incomes of \$50,000 or more and 48 percent had incomes less than \$50,000.

Education, Race, and Ethnicity of Hunters

Participation rates in hunting in 2011 varied little among people with different levels of educational attainment. The highest participation rate was 6 percent for the following three levels of attainment: 12 years, 1 to 3 years of college, and 4 years of college. The next highest rate, 5 percent, was reached by people with 11 years of education. The lowest rate, 4 percent, was for those people with an educational attainment of 5 years or more of college or more.

The two largest categories of education were 12 years and 1 to 3 years of college, composing 36 percent and 26 percent of all hunters, respectively. Those with 4 years of college composed 18 percent of all hunters, and those with 11 years or less composed 11 percent of all hunters. Individuals with 5 years or more of college made up 9 percent of all hunters.

Hunters by Education, Race, and Ethnicity

(In millions)

Total hunters **13.7**

Education

11 years or less	1.5
12 years	5.0
1 to 3 years of college	3.5
4 years of college	2.4
5 years or more of college	1.3

Race

White	12.9
African American	0.4
Asian American	* <0.1
Other	0.4

Ethnicity

Hispanic	0.3
Non-Hispanic	13.4

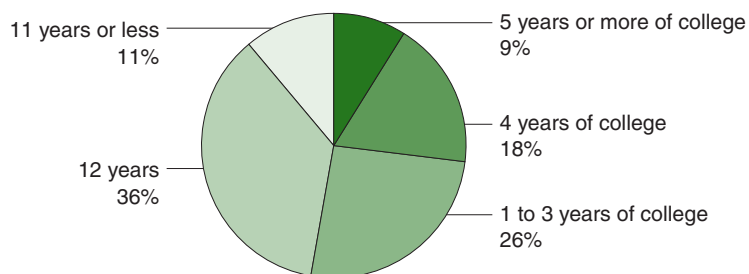
Source: Table 10.

* Estimate based on a sample size of 10–29.

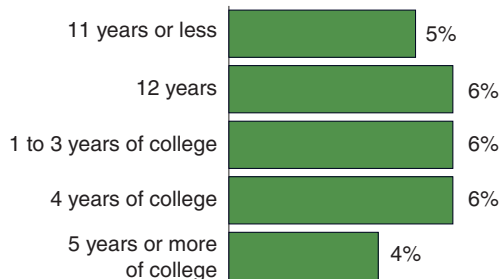
While people of all races participate in hunting, the majority are White. Seven percent of the nation's White population, 2 percent of the African American

population, 2 percent of those identified as other races, and less than 0.5 percent of the Asian American population went hunting in 2011.

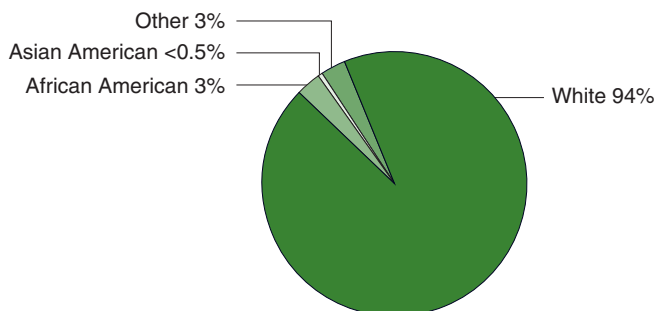
Percent of Hunters by Education



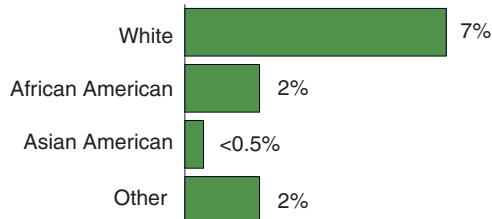
Percent of U.S. Population Who Hunted by Education



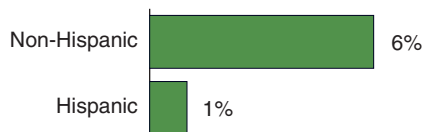
Percent of Hunters by Race



Percent of U.S. Population Who Hunted by Race



Percent of U.S. Population Who Hunted by Ethnicity



Hispanics, who represent a growing percentage of the U.S population, hunted at a much lower rate than non-Hispanics. One percent of all Hispanics hunted in 2011 compared to 6 percent of non-Hispanics. The 271 thousand Hispanics who hunted in 2011 made up 2 percent of all hunters.

2001–2011 Comparison of Hunting Activity

The number of hunters increased 9 percent from 2006 to 2011. Other animal hunters increased 92 percent in number and the other types of hunting stayed level at the 95 percent level of significance. Total days of hunting went up 28 percent, primarily due to a 29 percent increase in big game hunting days. Other animal

hunting days also went up significantly. Trip-related, equipment, and other expenditures went up 29 percent. Trip-related expenditures increased 39 percent, equipment expenditures did not increase significantly, and other expenditures such as land leasing and owning went up 40 percent.

Comparing 2001 and 2011 estimates reveals no statistically significant change in the number of overall hunters, but does show increases in the number of days and expenditures. Small game hunting participant numbers went down, while other animal participant numbers went up. Days of big game and other animal hunting went up significantly, while small game and migratory bird hunting

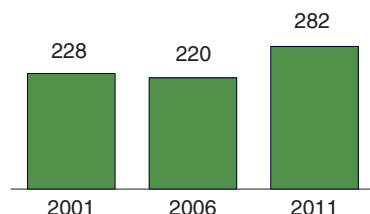
days did not have a significant change. Turning to expenditures, the comparison is similar to 2006–2011. Overall expenditures went up, with trip-related and other items undergoing an increase and equipment staying level.

The across-the-board increases in 2011 hunting participation, day, and expenditure estimates run counter to the downward trends documented in the preceding three FHWAR National Surveys. From 1991 to 2006, hunting participation had dropped 11 percent and the number of hunting days had not significantly changed. The 9 percent participant and 28 percent day increases puts the 2011 hunting status on par with that of 1991 hunting, the high point of hunting in the last twenty years.

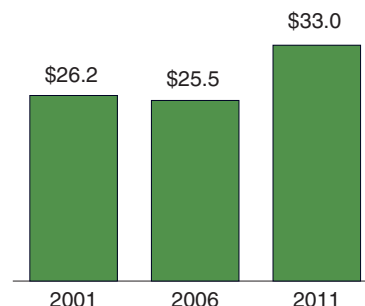
Number of Hunters
(Millions)



Days of Hunting
(Millions)



Hunting Expenditures
(Billions of 2011 dollars)



2001–2011 Hunting Participants, Days, and Expenditures

(U.S. population 16 years old and older. Numbers in thousands)

	2001		2011		2001-2011 percent change
	Number	Percent	Number	Percent	
Hunters, total	13,034	100	13,674	100	NS5
Big game	10,911	84	11,570	85	NS6
Small game	5,434	42	4,506	33	-17
Migratory birds	2,956	23	2,583	19	NS-13
Other animals	1,047	8	**2,168	16	107
Days, total	228,368	100	281,884	100	23
Big game	153,191	67	212,116	75	38
Small game	60,142	26	50,884	18	NS-15
Migratory birds	29,310	13	23,263	8	NS-21
Other animals	19,207	8	**34,434	12	79
Hunting, total (2011 dollars)	\$26,178,562	100	***\$32,999,416	100	26
Trip-related	6,671,189	25	10,421,189	32	56
Equipment, total	13,160,387	50	13,972,490	42	NS6
Hunting equipment	5,793,937	22	7,738,324	23	34
Auxiliary equipment	1,527,736	6	1,844,880	6	NS21
Special equipment	5,838,687	22	4,389,286	13	NS-25
Other	6,346,987	24	***8,605,739	26	36

NS Not different from zero at the 5 percent level of significance.

** Other animals redefined to include feral pigs.

*** Plantings not included in 2011 expenditures for comparison purposes. 2011 was first year plantings were included.

2006–2011 Hunting Participants, Days, and Expenditures

(U.S. population 16 years old and older. Numbers in thousands)

	2006		2011		2006-2011 percent change
	Number	Percent	Number	Percent	
Hunters, total	12,510	100	13,674	100	9
Big game	10,682	85	11,570	85	NS8
Small game	4,797	38	4,506	33	NS-6
Migratory birds	2,293	18	2,583	19	NS13
Other animals	1,128	9	**2,168	16	92
Days, total	219,925	100	281,884	100	28
Big game	164,061	75	212,116	75	29
Small game	52,395	24	50,884	18	NS-3
Migratory birds	19,770	9	23,263	8	NS18
Other animals	15,205	7	**34,434	12	126
Hunting, total (2011 dollars)	\$25,543,470	100	***\$32,999,416	100	29
Trip-related	7,451,789	29	10,421,189	32	40
Equipment, total	11,973,875	47	13,972,490	42	NS17
Hunting equipment	5,987,611	23	7,738,324	23	29
Auxiliary equipment	1,484,214	6	1,844,880	6	NS24
Special equipment	4,502,047	18	4,389,286	13	NS-3
Other	6,117,806	24	***8,605,739	26	41

NS Not different from zero at the 5 percent level of significance.

** Other animals redefined to include feral pigs.

*** Plantings not included in 2011 expenditures for comparison purposes. 2011 was first year plantings were included.

The background is a monochromatic green illustration depicting various outdoor activities. In the top left, a person in a cap and sunglasses is kneeling, looking through binoculars, with a small white dog beside them. In the top right, a person stands holding a rifle, with a black and white dog standing nearby. On the left, a person is shown in a dynamic pose, possibly archery or a dance. In the center, a person stands with binoculars to their eyes, and a child stands in front of them, also with binoculars. In the bottom left, two people are in a canoe on a body of water, one rowing and the other holding a fishing rod. In the bottom right, a person is wading in the water, holding a fishing rod. The landscape includes stylized mountains, trees, and butterflies. A dark horizontal band across the middle contains the title text.

Wildlife Watching

Wildlife Watching Highlights

Nearly a third of the U.S. population enjoyed wildlife watching in 2011. Wildlife watching is defined here as closely observing, feeding, and photographing wildlife, visiting public parks around the home because of wildlife, and maintaining plantings and natural areas around the home for the benefit of wildlife. These activities are categorized as around the home (within a mile of home) or away from home (at least one mile from home).

The 2011 Survey counts wildlife watching as recreational activities, as defined above, in which the primary objective was to watch wildlife. Secondary or incidental participation, such as observing wildlife while doing something else, was not included in the Survey.

During 2011, 71.8 million U.S. residents, 30 percent of the U.S. population 16 years old or older, participated

in wildlife-watching activities. People who took an interest in wildlife around their homes numbered 68.6 million, while those who took trips away from their homes to wildlife watch numbered 22.5 million people.

Wild Bird Observers

Of all the wildlife in the United States, birds attracted the biggest following. Approximately 46.7 million people observed birds around the home and on trips in 2011. A large majority, 88 percent (41.3 million), observed wild birds around the home, while 38 percent, 17.8 million, took trips away from home to observe wild birds. Participants averaged a startling 110 days of birding in 2011, due to the 119 days by around-the-home birders. Away-from-home birders averaged 13 days.

Wildlife-Watching Participants by Activity

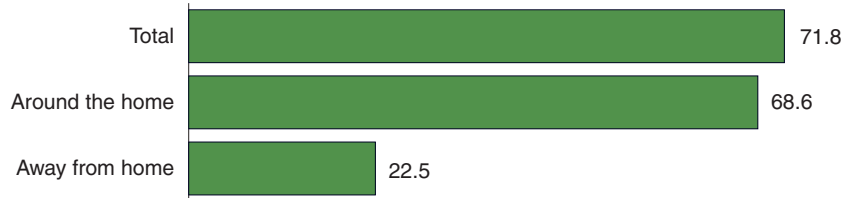
(In millions)

Total wildlife-watching participants	71.8
Away from home	22.5
Observers	19.8
Photographers	12.4
Feeders	5.4
Around the home	68.6
Feeders	52.8
Observers	45.0
Photographers	25.4
Maintainers of plantings or natural areas	13.4
Visitors of parks or natural areas	12.3

Source: Table 35.

Wildlife-Watching Participants

(In millions)



Bird Watchers

(In millions)



Wildlife-Watching Expenditures

Thirty-eight percent of all the dollars spent in 2011 for wildlife-related recreation was due to wildlife watching.

Wildlife-watching participants 16 years old or older spent \$54.9 billion, an average of \$981 per spender. Seventy-eight percent of all wildlife watchers spent money on their avocation.

Wildlife watchers spent \$17.3 billion on trips pursuing their activities. Food and lodging accounted for \$9.3 billion (54 percent of all trip-related expenditures), transportation expenses totaled \$6.0 billion (35 percent), and other trip costs, such as land use fees and equipment rental, amounted to \$1.9 billion (11 percent) for the year.

These recreationists purchased \$27.2 billion worth of equipment for wildlife watching. They spent \$11.3 billion (42 percent of all equipment expenditures) on wildlife-watching equipment including binoculars, cameras, bird food, and special clothing. Expenditures for auxiliary equipment, such as tents and backpacking equipment, totaled \$1.6 billion (6 percent) for the year. Participants spent \$14.3 billion (53 percent) on special equipment, including off-road vehicles, campers, and boats.

Also for the year, wildlife watchers spent \$5.7 billion on land leasing and owning; \$2.2 billion on plantings for the benefit of wildlife; \$2.2 billion on membership dues and contributions; and \$0.4 billion on magazines, books, and DVDs.

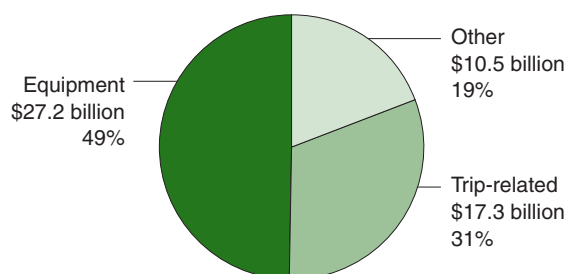
Total Wildlife-Watching Expenditures

Total wildlife-watching expenditures	\$54.9 billion
Total trip-related	\$17.3 billion
Food and lodging	9.3 billion
Transportation	6.0 billion
Other trip costs	1.9 billion
Total equipment expenditures	\$27.2 billion
Wildlife-watching equipment	11.3 billion
Auxiliary equipment	1.6 billion
Special equipment	14.3 billion
Total other equipment	\$10.5 billion
Land leasing and owning	5.7 billion
Plantings	2.2 billion
Membership dues and contributions	2.2 billion
Magazines, books, DVDs	0.4 billion

Source: Table 40.

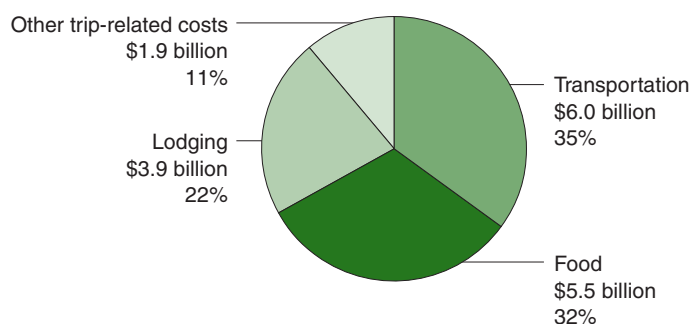
Wildlife-Watching Expenditures

(Total expenditures: \$54.9 billion)



Trip-Related Expenditures

(Total expenditures: \$17.3 billion)



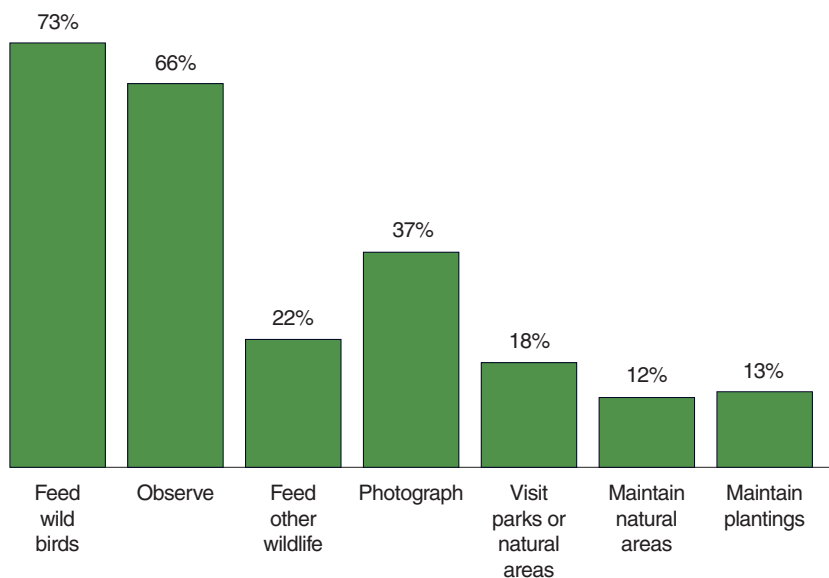
Around-The-Home Wildlife-Watching Highlights

In 2011, around-the-home participants 16 years old and older numbered 68.6 million—96 percent of all wildlife-watching recreationists. The most popular activity, feeding birds and other wildlife, accounted for 52.8 million wildlife watchers—77 percent of all around-the-home participants. About 45 million people observed wildlife, representing 66 percent of all around-the-home participants.

Approximately 25.4 million recreationists (37 percent of all around-the-home wildlife watchers) photographed wildlife. About 13.4 million maintained plantings or natural areas for the benefit of wildlife. They made up 19 percent of all around-the-home participants. Finally, 12.3 million people visited parks or natural areas within one mile of their homes for wildlife watching. They comprised 18 percent of all around-the-home participants.

Percent of Total Around-The-Home Participants by Activity

(Total: 68.6 million participants)



Around-The-Home Participants

(In millions)

Total participants	68.6
Feed wildlife	52.8
Observe wildlife	45.0
Photograph wildlife.	25.4
Visits parks or natural areas	12.3
Maintain plantings	9.2
Maintain natural areas.	8.0

Source: Table 37.

Wildlife Fed, Observed, or Photographed by Around-The-Home Participants

Of the 52.8 million people feeding wildlife around their homes in 2011, 95 percent (50.2 million) fed wild birds, while 28 percent (14.8 million) fed other wildlife.

Approximately 45.0 million participants closely observed wildlife around their homes, of which 41.3 million observed birds. Observing mammals was undertaken by 35.9 million participants. Insects and spiders attracted the attention of 16.6 million people; 14.1 million observed amphibians or reptiles; and 8.4 million people observed fish and other wildlife. The median number of days for around-the-home observations for all animals was a little over 87 days in 2011.

About 25.4 million people photographed wildlife around their homes. The median number of days people took pictures of wildlife around their homes in 2011 was 4 days, although 3.7 million people (15 percent) photographed wildlife 21 days or more.

Around-The-Home Wildlife Watchers by Geographic Region

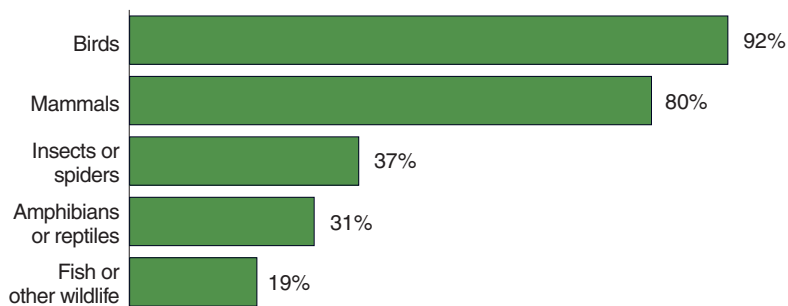
In 2011, over 239 million people 16 years old or older lived in the United States. Of those, 29 percent wildlife watched around their homes. The participation rates of these around-the-home participants varied by region.

The percentages of regional populations that wildlife watched around their homes ranged from 24 percent in the Pacific Region to 35 percent in the East North Central Region. The New England, East North Central, West North Central, and East South Central had participation rates above the national average of 29 percent.

The regions making up the largest number of around-the-home wildlife watchers in the United States were the South Atlantic (12.8 million participants) and the East North Central Region (12.5 million participants).

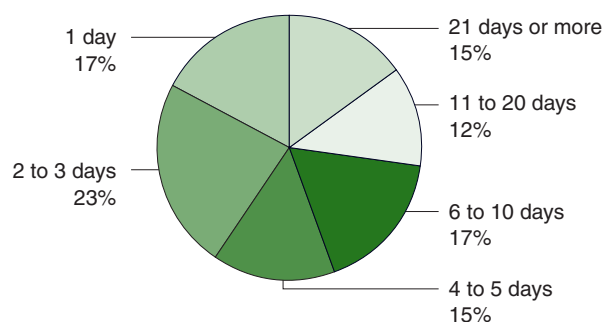
Percent of Around-The-Home Observers by Type of Wildlife Observed

(Total wildlife observers: 45.0 million)



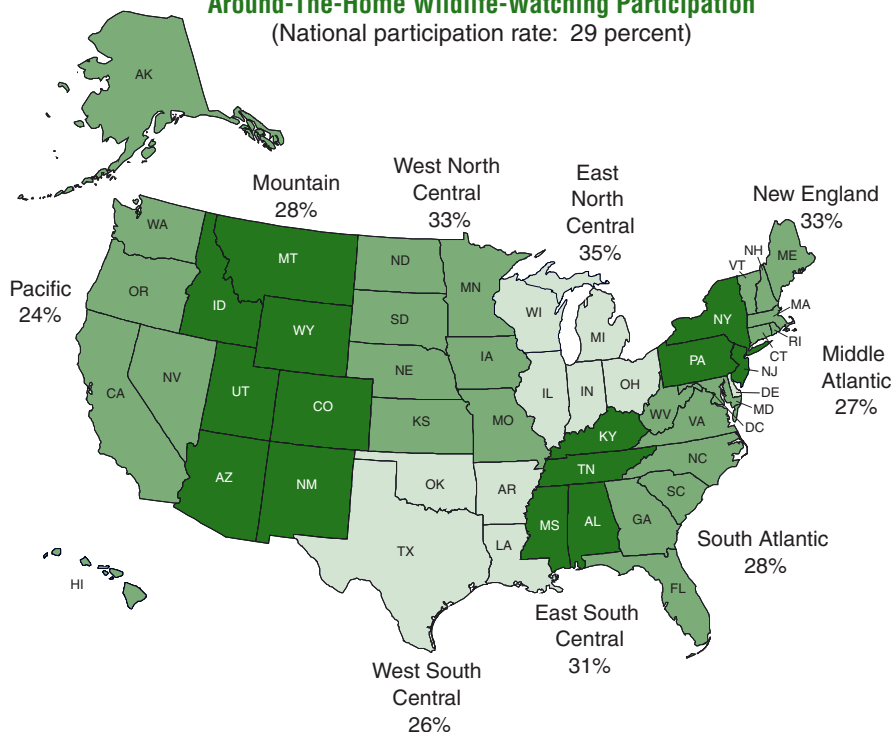
Percent of Around-The-Home Photographers by Days Spent Photographing Wildlife

(Total wildlife photographers: 25.4 million)



Around-The-Home Wildlife-Watching Participation

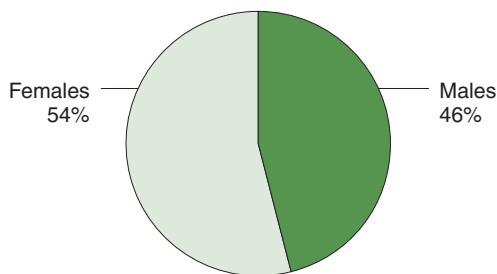
(National participation rate: 29 percent)



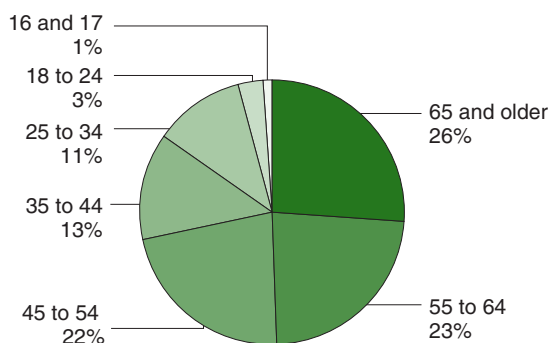
Percent of Males and Females Who Participated Around-The-Home



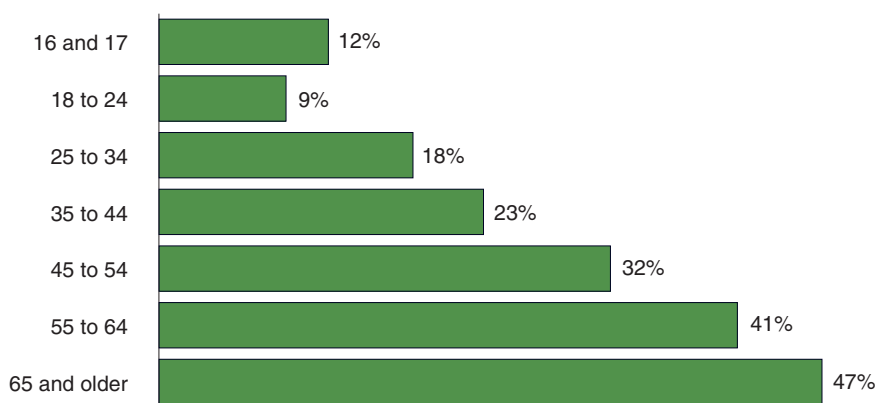
Percent of Around-The-Home Wildlife Watchers by Sex (Total participants: 68.6 million)



Percent of Around-The-Home Wildlife Watchers by Age (Total participants: 68.6 million)



Percent of U.S. Population Who Participated Around-The-Home by Age



Sex and Age of Around-The-Home Wildlife Watchers

Females and males had similar participation rates for around-the-home wildlife watching. In 2011, 30 percent of females and 27 percent of males enjoyed around-the-home activities. Of the 68.6 million around-the-home wildlife watchers, 54 percent (37.3 million) were females and 46 percent (31.3 million) were males.

People in the 65- to 74-year-old age group were most likely to participate at 53 percent (11.9 million). People in the 18- to 24-year-old age group were the least likely to participate, with 9 percent (2.4 million). The disparity in participation rates between people 16 to 34 years old (14 percent) and those 35 years old and older (35 percent) is striking.

Around-The-Home Participants by Sex and Age

(In millions)

Total, both sexes. . . . 68.6 million
 Male 31.3 million
 Female. 37.3 million

Total, all ages 68.6 million
 16 and 17. 0.9 million
 18 to 24 2.4 million
 25 to 34 7.3 million
 35 to 44 9.3 million
 45 to 54 14.9 million
 55 to 64 15.8 million
 65 and older. 18.1 million

Source: Table 42.

Metropolitan and Nonmetropolitan Around-The-Home Participants

Approximately 91 percent of around-the-home wildlife watchers lived in metropolitan areas, as defined by the U.S. Census Bureau. Metropolitan statistical areas, or MSAs¹, with populations of 1 million or more had a participation rate of 25 percent, lower than any smaller MSA or non-MSA. Nonetheless, recreationists from the most populous MSAs comprised 46 percent of all around-the-home wildlife watchers. In MSAs of 250,000 to 999,999, the participation rate was 33 percent and they made up 23 percent of all around-the-home recreationists. About 22 percent of around-the-home wildlife watchers lived in MSAs with a population from 50,000 to 249,999. The population of these areas had a participation rate of 32 percent.

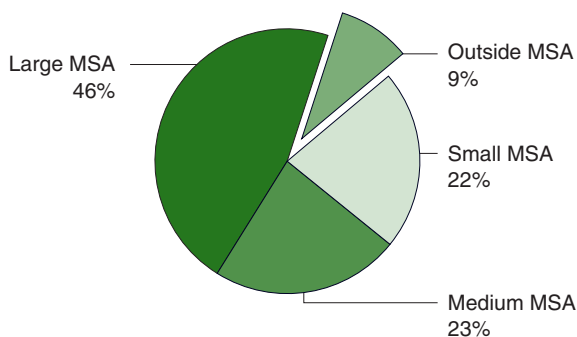
The participation rate for nonmetropolitan populations was 38 percent, higher than for any MSA. Six percent of the total U.S. population lived outside MSAs in 2011 and represented 9 percent of all around-the-home wildlife watchers.

¹ See Appendix A for definition of Metropolitan Statistical Area.

Percent of U.S. Population Who Participated Around-The-Home by Residence



Percent of Around-The-Home Wildlife Watchers by Residence (Total participants: 68.6 million)



Household Income of Around-The-Home Participants

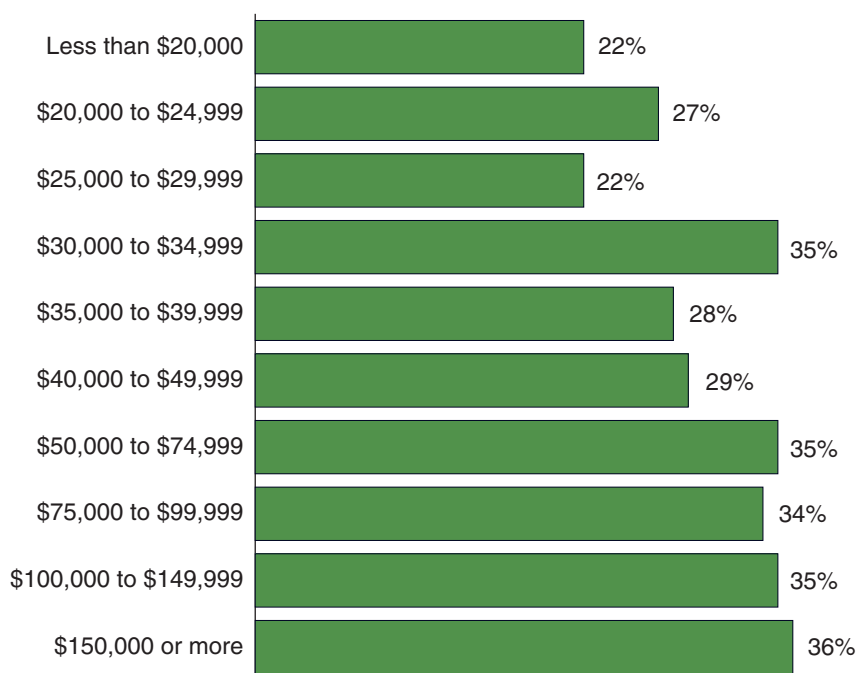
Participation rates ranged from 22 percent among U.S. residents living in households earning less than \$20,000 per year and \$25,000 to \$29,999 per year to 36 percent of those living in households earning \$150,000 or more annually. These participants made up 10 percent, 3 percent, and 9 percent, respectively, of the 68.6 million

around-the-home wildlife watchers in 2011.

Participants in households earning \$50,000 to \$74,999 a year constituted the largest number, 11.7 million, and had a 35 percent participation rate. The next two income groups with the largest numbers of participants had household incomes of \$75,000 to \$99,999 and \$100,000 to \$149,999. The former contributed 8.6 million participants

and had a 34 percent participation rate, while the latter contributed 8.3 million and had a 35 percent participation rate. The number of around-the-home recreationists contributed by other income groups ranged from 2.2 million participants with \$25,000 to \$29,999 household incomes and 22 percent participation rates to 6.1 million participants with \$150,000 or more incomes and 36 percent participation rates.

Percent of U.S. Population Who Participated Around-The-Home by Household Income



Education, Race, and Ethnicity of Around-The-Home Participants

Looking at the educational background of participants, it was found that the rate of participation in around-the-home wildlife watching increased with the increase in educational attainment. The highest participation rate was among recreationists with 5 years or more of college, 43 percent. They made up 18 percent of all around-the-home wildlife watchers. The lowest participation rate, 17 percent, was among people with 11 years or less of education—8 percent of all participants. Recreationists with 12 years of education, 30 percent of all around-the-home participants, had a participation rate of 25 percent. Participants with 1 to 3 years of college, 22 percent of all participants, had a participation rate of 28 percent. Recreationists with 4 years of college, 23 percent of all participants, had a participation rate of 36 percent.

A wide range of participation rates were found among the different races and ethnic groups. About 34 percent of the White population engaged in

Around-The-Home Participants by Education, Race, and Ethnicity

(In millions)

Total participants. 68.6

Education

11 years or less	5.4
12 years	20.3
1 to 3 years of college	15.3
4 years of college	15.5
5 years or more of college	12.1

Race

White	62.5
African American	2.6
Asian American	1.0
Other	2.6

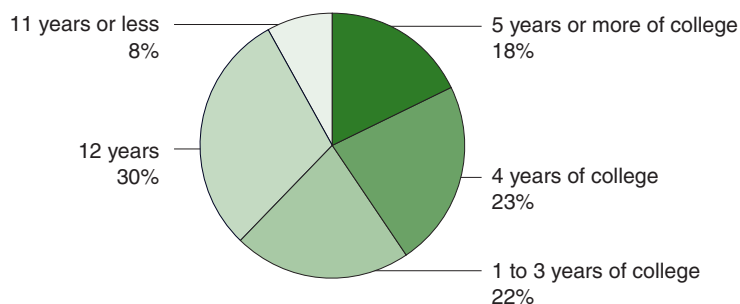
Ethnicity

Hispanic	3.4
Non-Hispanic	65.2

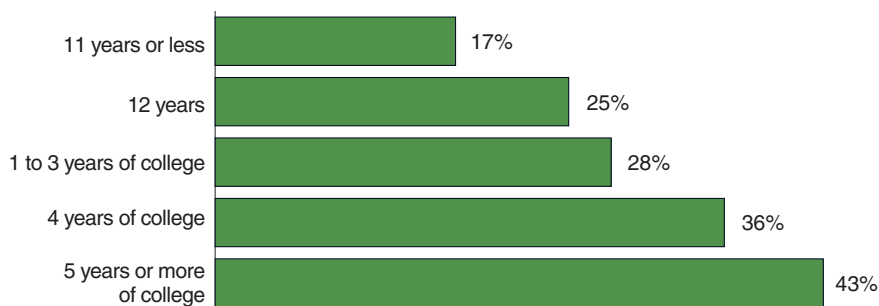
Source: Table 42.

Percent of Around-The-Home Wildlife Watchers by Education

(Total: 68.6 million participants)

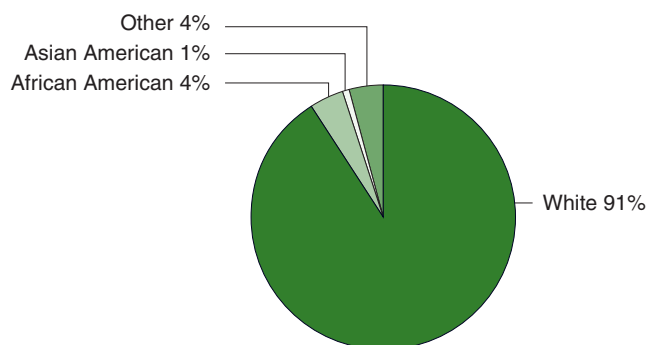


Percent of U.S. Population Who Participated Around-The-Home by Education

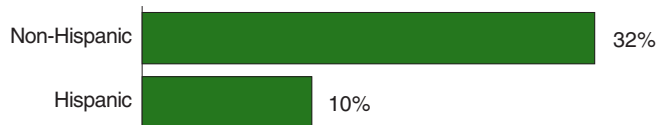


Percent of Around-The-Home Wildlife Watchers by Race

(Total: 68.6 million participants)



Percent of U.S. Population Who Participated Around-The-Home by Ethnicity



around-the-home wildlife watching, contrasted with 11 percent of the African American population, 8 percent of the Asian American population, and 12 percent of individuals comprising other races. Of the total number of around-the-home participants, 91 percent were White, 4 percent were African Americans, 1 percent was Asian American, and 4 percent were all other races.

Ten percent of the U.S. Hispanic population engaged in wildlife watching around their homes in comparison with 32 percent of the non-Hispanic population. The 65.2 million non-Hispanic participants comprised 95 percent of all around-the-home wildlife watchers and

the 3.4 million Hispanic participants made up 5 percent.

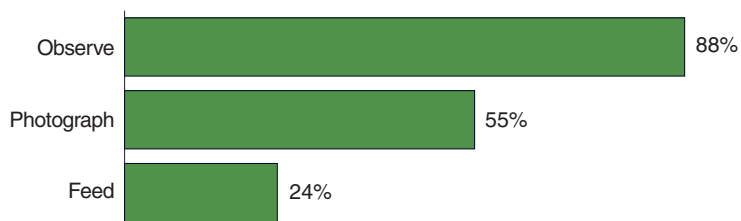
Away-From-Home Wildlife-Watching Highlights

In 2011, 22.5 million people 16 years old and older took trips away from home to feed, observe, or photograph wildlife. They comprised 31 percent of all wildlife watchers. Most popular with away-from-home participants was closely observing wildlife. About 19.8 million participants, 8 percent of the U.S. population 16 years old and older, observed wildlife an average of 14 days in 2011. Photographing wildlife was enjoyed by 12.4 million people, 5 percent of the U.S. population. They averaged 9 days per photographer.

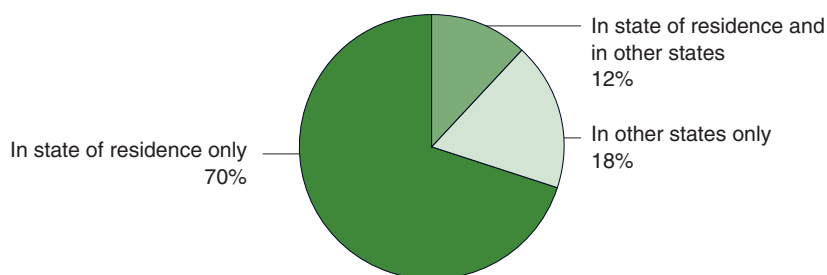
Approximately 5.4 million people fed wildlife an average of 11 days and comprised 2 percent of the U.S. population.

About 82 percent of all away-from-home participants took trips within their resident state to participate in wildlife watching. Approximately 70 percent took trips only in their resident state, 12 percent took trips both inside and outside their resident state, and 18 percent took trips only to other states. Altogether, 30 percent of all away-from-home participants took at least some of their trips to other states.

Percent of U.S. Population Who Participated Away-From-Home by Type of Activity
(Total: 22.5 million participants)



Percent of Away-From-Home Wildlife Watchers in State of Residence and Other States
(Total participants: 22.5 million)



Away-From-Home Participants (In millions)

Total participants	22.5
Observers	19.8
Photographers	12.4
Feeders	5.4
Total days	336
Observers	269
Photographers	110
Feeders	59

Source: Table 36.

Away-From-Home Participants by Type of Wildlife Observed, Fed, or Photographed

(In millions)

Total participants	22.5
Birds, total	18.9
Waterfowl	13.3
Birds of prey	12.9
Songbirds	12.1
Other water birds	10.6
Other birds	6.9
Land mammals, total	13.7
Large land mammals	10.4
Small land mammals	10.3
Fish	6.4
Marine mammals	4.0
Other (turtles, butterflies, etc.)	10.1

Source: Table 38.

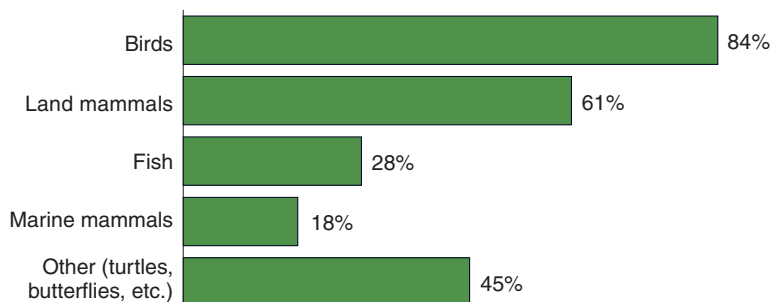
Wildlife Observed, Fed, or Photographed by Away-From-Home Participants

Wild birds attracted the most interest from wildlife watchers on their trips—18.9 million people or 84 percent of all away-from-home participants. The most-watched birds, waterfowl (ducks and geese, primarily), were watched by 13.3 million people. Next on the list of most-watched were birds of prey which drew 12.9 million trip-takers, followed by songbirds with 12.1 million watchers. Herons, shore birds, and other water birds attracted 10.6 million recreationists. Lastly, other birds, such as road runners and turkeys, attracted 6.9 million wildlife watchers.

Land mammals, such as deer, bears, and coyotes, were observed, fed, or photographed by 13.7 million people—61 percent of all away-from-home participants. Fish attracted the attention of 6.4 million people or 28 percent of all away-from-home recreationists.

About 4.0 million people or 18 percent of all away-from-home participants observed, fed, or photographed marine mammals, such as whales, seals, and dolphins. Other wildlife, such as butterflies, snakes, and turtles, appealed to 10.1 million people or 45 percent of all away-from-home wildlife watchers.

Percent of Away-From-Home Wildlife Watchers Who Observed, Fed, or Photographed Wildlife
(Total: 22.5 million participants)



Area Visited by Away-From-Home Participants

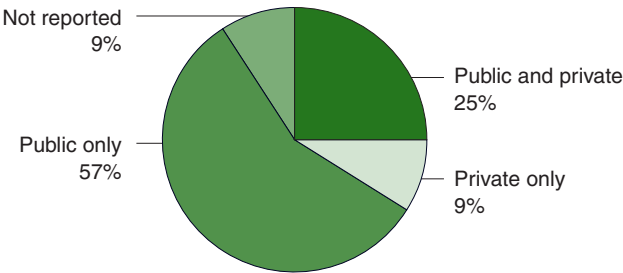
In 2011, the most visited areas for Americans to observe, feed, or photograph wildlife were publicly owned. Approximately 82 percent of all trip-taking wildlife watchers used public areas while just 34 percent used private areas. About 25 percent of all away-from-home participants, 5.5 million, visited both public and private areas. Approximately 12.8 million, 57 percent, visited only public areas to engage in their activities while 2.0 million, 9 percent, visited only private areas.

Away-From-Home Participants by Public and Private Land	
(In millions)	
Total participants	22.5
Public land only	12.8
Private land only	2.1
Public and private land . . .	5.5
Not reported	2.0

Source: Table 36.

Percent of Away-From-Home Wildlife Watchers by Public and Private Land

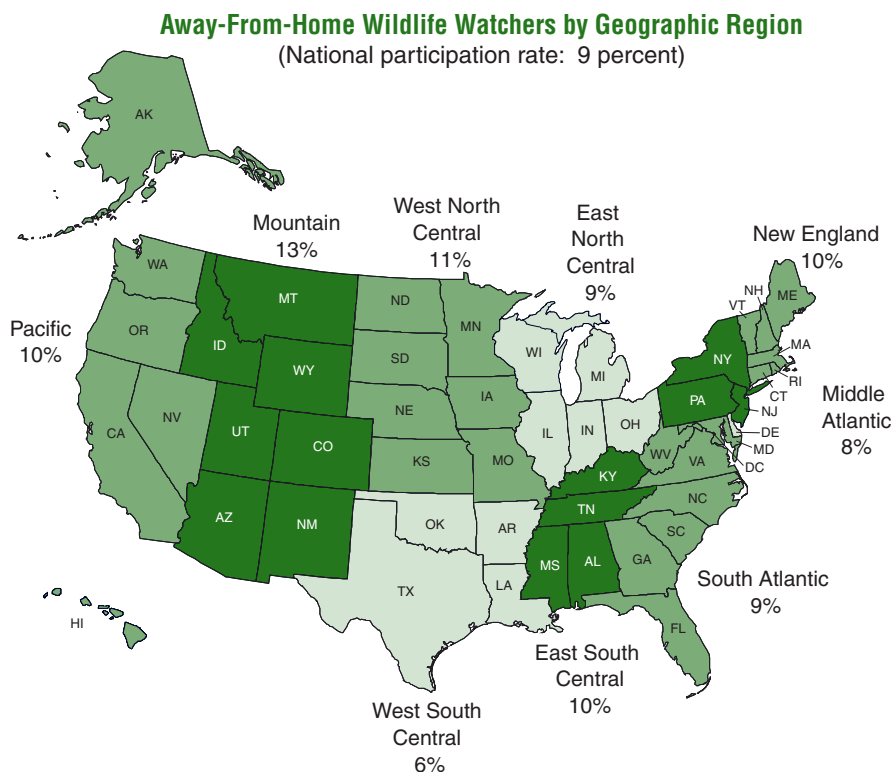
(Total participants: 22.5 million)



Away-From-Home Wildlife Watchers by Geographic Region

In 2011, 239 million people 16 years old and older lived in the United States—9 percent of whom took trips to wildlife watch.

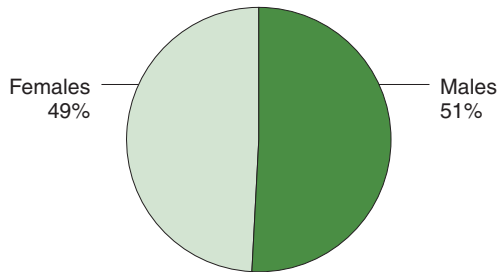
Away-from-home participation rates ranged from 6 percent in the West South Central Region to 13 percent in the Mountain Region. The regions that had participation rates higher than the national average were New England, West North Central, East South Central, Mountain, and Pacific.



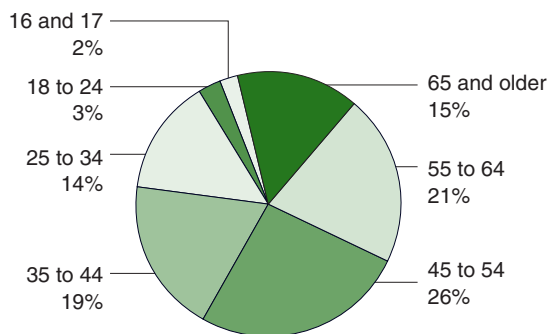
Percent of Males and Females Who Participated Away-From-Home



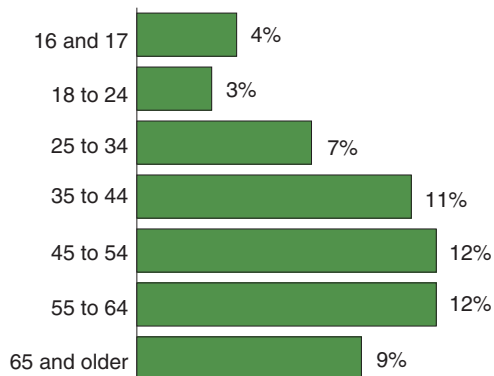
Percent of Away-From-Home Wildlife Watchers by Sex



Percent of Away-From-Home Wildlife Watchers by Age



Percent of U.S. Population Who Participated by Age



Sex and Age of Away-From-Home Wildlife Watchers

A similar number of males and females participated in away-from-home wildlife watching in 2011. Fifty-one percent (11.5 million) of all participants were males and 49 percent (11.0 million) were females. Ten percent of males and 9 percent of females in the United States enjoyed observing, feeding, or photographing wildlife away from home.

The 45- to 54-year-old age group had the most away-from-home recreationists, 5.8 million. This age group, the 55- to 64-year-olds, and the 65- to 74-year olds had the highest participation rate, 12 percent. Another age group that had a high participation rate was the 35- to 44-year-old age group, 11 percent. The 18- to 24-year-olds had the lowest participation rate, at 3 percent.

Away-From-Home Participants by Sex and Age

(In millions)

Total, both sexes	22.5
Male	11.5
Female	11.0

Total, all ages	22.5
16 and 17	0.3
18 to 24	0.8
25 to 34	3.1
35 to 44	4.3
45 to 54	5.8
55 to 64	4.7
65 and older	3.4

Source: Table 41.

Metropolitan and Nonmetropolitan Away-From-Home Participants

In 2011, 9 percent of all people living in MSAs² took trips primarily to enjoy wildlife. MSA residents comprised 92 percent of all away-from-home participants. In contrast, 12 percent of all people outside an MSA watched wildlife away from home.

As was the case with around-the-home wildlife watching, the biggest MSA had both the lowest participation rate and the highest number of participants. Residents of non-MSAs made up 8 percent of away-from-home participants and 9 percent of around-the-home participants.

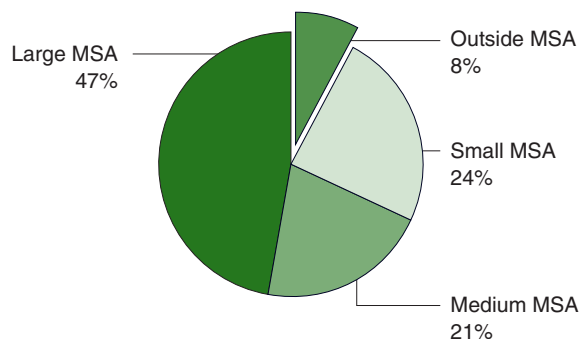
Household Income of Away-From-Home Participants

Participation rates ranged from 5 percent for those in households earning less than \$20,000 per year to 15 percent for those in households earning \$75,000 to \$99,999. There was a strong correlation between income and the likelihood to wildlife watch away from home, with an increase in one matched by an increase in the other. The income group that had the most participants was \$50,000 to \$74,999, with 4.8 million recreationists.

Median income was higher for away-from-home participants than for Americans as a whole, slightly under \$68,000 for recreationists compared to about \$52,000 for the U.S. population.

² See Appendix A for definition of Metropolitan Statistical Area.

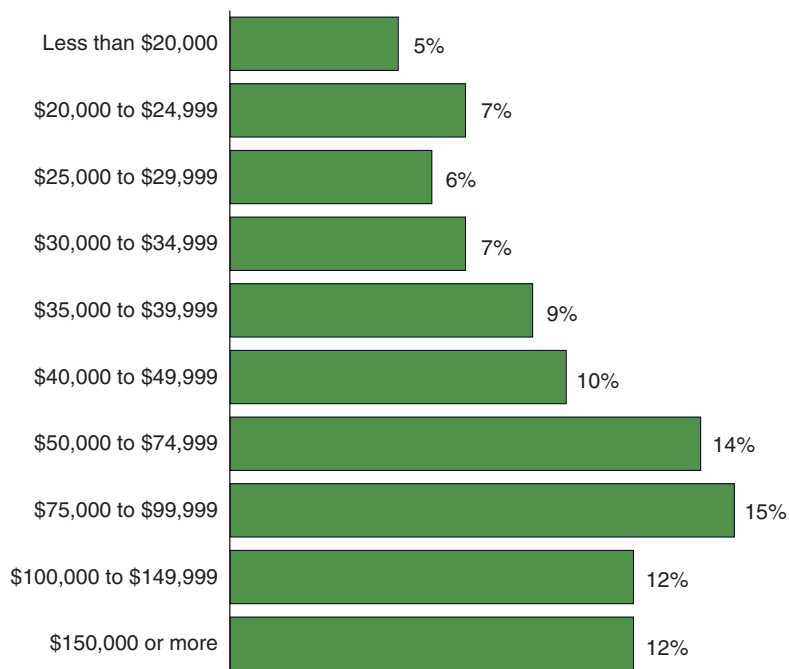
Percent of Away-From-Home Wildlife Watchers by Residence (Total participants: 22.5 million)



Percent of U.S. Population Who Participated by Residence



Percent of U.S. Population Who Participated Away-From-Home by Household Income



Education, Race, and Ethnicity of Away-From-Home Participants

As in the case of household income, educational achievement and participation in away-from-home wildlife watching have a direct correlation. About 4 percent of the U.S. population with 11 years of education or less participated, compared to 19 percent of the population with 5 years or more of college. The educational cohort with the most participants was 4 years of college, with 5.4 million recreationists. The educational cohort with the fewest recreationists was 11 years or less, with 1.2 million.

The participation rates by race varied greatly. Approximately 11 percent of Whites and 5 percent of other races except African Americans and Asian Americans took trips to wildlife watch. In contrast, 3 percent of African Americans and 2 percent of Asian Americans participated. Of the total 22.5 million away-from-home participants, 92 percent were White, 3 percent were African Americans, 1 percent were Asian Americans, and 4 percent were other races.

Away-From-Home Participants by Education, Race and Ethnicity

(In millions)

Total participants **22.5**

Education

11 years or less	1.2
12 years	5.2
1 to 3 years of college	5.3
4 years of college	5.4
5 years or more of college	5.3

Race

White	20.6
African American	0.6
Asian American	0.3
Other	1.0

Ethnicity

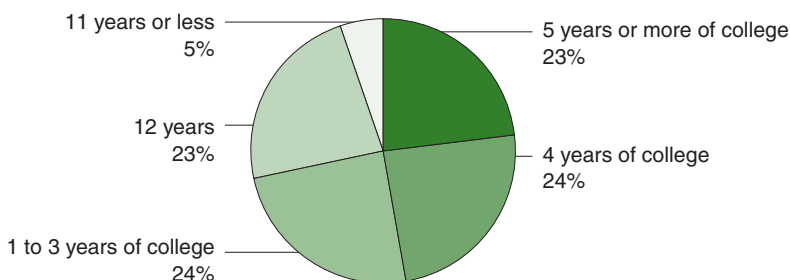
Hispanic	1.4
Non-Hispanic	21.1

Source: Table 41.

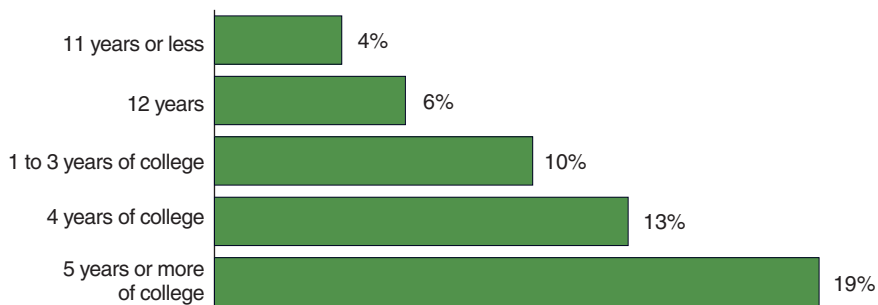
About 1.4 million recreationists were Hispanic, 6 percent of all participants. Approximately 4 percent of the U.S. Hispanic population took trips to engage in wildlife watching. Of the

non-Hispanic population, 10 percent (21.1 million participants) took trips to wildlife watch. They were 94 percent of all away-from-home wildlife watchers.

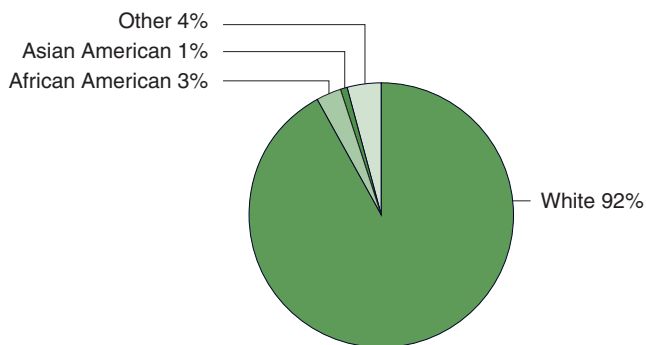
Percent of Away-From-Home Wildlife Watchers by Education
(Total participants: 22.5 million)



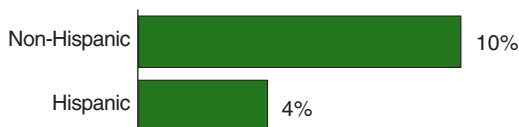
Percent of U.S. Population Who Participated Away-From-Home by Education



Percent of Away-From-Home Wildlife Watchers by Race
(Total participants: 22.5 million)



Percent of U.S. Population Who Participated Away-From-Home by Ethnicity



2001–2011 Comparison of Wildlife-Watching Participation

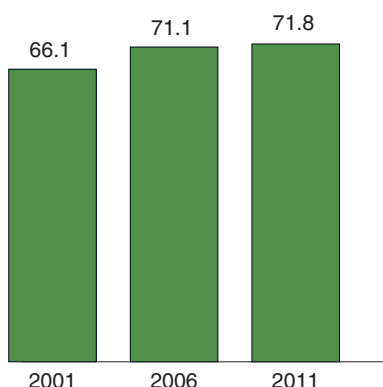
Comparing 2006 and 2011 wildlife-watching measures finds no statistically significant change in the number of total participants, days, or expenditures. The increase in people photographing wildlife around the home was partially balanced by the decrease in people feeding wildlife. Away-from-home observers and feeders decreased in number, but not enough to affect overall away-from-home wildlife watching. The number of days of away-

from-home wildlife watching did not change for any category. Similarly, the amount spent for wildlife watching was stable for all categories in 2006 and 2011.

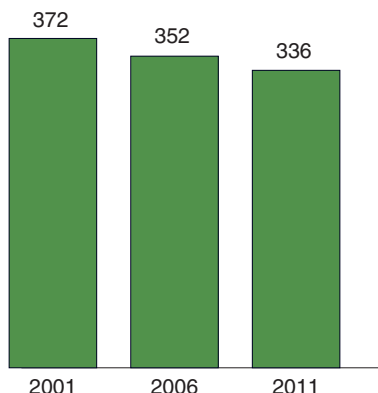
From 2001 to 2011 the number of participants increased 9 percent. All categories of around-the-home wildlife watching increased or stayed level, led by the 82 percent increase in photographing wildlife. Overall away-from-home wildlife watching participant numbers stayed level, with the increase in photographers somewhat

countered by the decrease in feeding wildlife. Similarly, the overall number of away-from-home days did not significantly change, with the increase in photographing days and decrease in feeding days roughly balancing each other. Trip-related expenditures increased significantly, but not enough to propel overall expenditures significantly higher. Equipment purchases, the largest component of wildlife-watching expenditures, did not increase or decrease significantly.

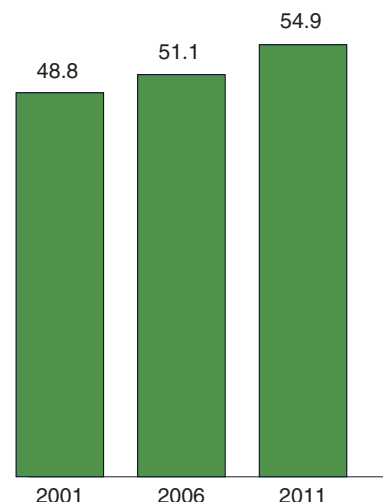
Number of Wildlife Watchers
(Millions)



Days of Away-From-Home Wildlife Watching
(Millions)



Wildlife-Watching Expenditures
(Billions of 2011 dollars)



2001–2011 Wildlife-Watching Participants, Days, and Expenditures

(U.S. population 16 years old and older. Numbers in thousands)

	2001		2011		2001-2011 percent change
	Number	Percent	Number	Percent	
Wildlife-watching participants, total	66,105	100	71,776	100	9
Around the home.	62,928	95	68,598	96	9
Observers	42,111	64	45,046	63	7
Photographers	13,937	21	25,370	35	82
Feeders	53,988	82	52,817	74	NS-2
Visitors of parks or natural areas	10,981	17	12,311	17	12
Maintainers of plantings or natural areas	13,072	20	13,399	19	NS3
Away from home.	21,823	33	22,496	31	NS3
Observers	20,080	30	19,808	28	NS-1
Photographers	9,427	14	12,354	17	31
Feeders	7,077	11	5,399	8	-24
Days, away from home	372,006	100	335,625	100	NS-10
Observing	295,345	79	268,798	80	NS-9
Photographing	76,324	21	110,459	33	45
Feeding	103,307	28	59,255	18	-43
Wildlife-watching expenditures, total (2011 dollars).	\$48,791,172	100	\$54,890,272	100	NS13
Trip-related	10,367,312	21	17,274,675	31	67
Equipment, total	29,898,207	61	27,150,921	49	NS-9
Wildlife-watching equipment.	9,340,464	19	11,323,179	21	21
Auxiliary equipment.	910,552	2	1,555,374	3	71
Special equipment	19,647,191	40	14,272,368	26	NS-27
Other	8,525,654	17	10,464,677	19	NS23

NS Not different from zero at the 5 percent level of significance.

2006–2011 Wildlife-Watching Participants, Days, and Expenditures

(U.S. population 16 years old and older. Numbers in thousands)

	2006		2011		2006-2011 percent change
	Number	Percent	Number	Percent	
Wildlife-watching participants, total	71,132	100	71,776	100	NS¹
Around the home	67,756	95	68,598	96	NS ¹
Observers	44,467	36	45,046	63	NS ¹
Photographers	18,763	26	25,370	35	35
Feeders	55,512	78	52,817	74	-5
Visitors of parks or natural areas	13,271	19	12,311	17	NS ⁻⁷
Maintainers of plantings or natural areas	14,508	20	13,399	19	NS ⁻⁸
Away from home	22,977	32	22,496	31	NS ⁻²
Observers	21,546	30	19,808	28	NS ⁻⁸
Photographers	11,708	16	12,354	17	NS ⁶
Feeders	7,084	10	5,399	8	-24
Days, away from home	352,070	100	335,625	100	NS ⁻⁵
Observers	291,027	82	268,798	80	NS ⁻⁸
Photographers	103,872	30	110,459	33	NS ⁶
Feeders	77,329	22	59,255	18	NS ⁻²³
Wildlife-watching expenditures, total (2011 dollars)	\$51,133,555	100	\$54,890,272	100	NS⁷
Trip-related	14,420,170	28	17,274,675	31	NS ²⁰
Equipment, total	25,954,939	51	27,150,921	49	NS ⁵
Wildlife-watching equipment	11,054,094	22	11,323,179	21	NS ²
Auxiliary equipment	1,157,027	2	1,555,374	3	NS ³⁴
Special equipment	13,743,818	27	14,272,368	26	NS ⁴
Other	10,758,446	21	10,464,677	19	NS ⁻³

^{NS} Not different from zero at the 5 percent level of significance.



Tables

Guide to Statistical Tables

Purpose and Coverage of Tables

The statistical tables of this report were designed to meet a wide range of needs for those interested in wildlife-related recreation. Special terms used in these tables are defined in Appendix A.

The tables are based on responses to the 2011 Survey, which was designed to collect data about participation in wildlife-related recreation. To have taken part in the Survey, a respondent must have been a U.S. resident (a resident of one of the 50 states or the District of Columbia). No one residing outside the United States (including U.S. citizens) was eligible for interviewing. Therefore, reported national totals do not include participation by those who were not U.S. residents or who were U.S. citizens residing outside the United States.

Comparability With Previous Surveys

The numbers reported can be compared with those in the 1991, 1996, 2001, and 2006 Survey Reports. The methodology used in 2011 was similar to that used in those Surveys. These results should not be directly compared to results from Surveys earlier than 1991 since there were major changes in methodology. These changes were made to improve accuracy in the information provided. Trends further back than 1991 are presented in Appendix C. These trends were developed using parts of the Surveys that were comparable.

Coverage of an Individual Table

Since the Survey covers many activities in various places by participants of different ages, all table titles, headnotes, stubs, and footnotes are designed to identify and articulate each item being reported in the table. For example, the title of Table 1 shows that data about anglers and hunters, their days of participation, and their number of trips are reported by type of activity. By contrast, the title of Table 3 indicates that it contains data on freshwater anglers and the days they fished for different species.

Percentages Reported in the Tables

Percentages are reported in the tables for the convenience of the user. When exclusive groups are being reported, the base of a percentage is apparent from its context because the percents add to 100 percent (plus or minus a rounding error). For example, Table 1 reports the number of trips taken by big game hunters (65 percent), those taken by small game hunters (17 percent), those taken by migratory bird hunters (8 percent), and those taken by hunters pursuing other animals (10 percent). These comprise 100 percent because they are exclusive categories.

Percents should not add to 100 when nonexclusive groups are being reported. Using Table 1 as an example again, note that adding the percentages associated with the total number of big game hunters (85 percent), total small game hunters (33 percent), total migratory bird hunters (19 percent), and total hunters of other animals (16 percent) will not yield total hunters (100 percent) because respondents could hunt for more than one type of game.

When the base of the percentage is not apparent in context, it is identified in a footnote. For example, Table 6 reports three percentages with different bases: one for the number of hunters, one for the number of trips, and one for days of hunting. Footnotes are used to clarify the bases of the reported percentages.

Footnotes to the Tables

Footnotes are used to clarify the information or items that are being reported in a table. Symbols in the body of a table indicate important footnotes. The following symbols are used in the tables to refer to the same footnote each time they appear:

- * Estimate based on a sample size of 10–29.
- ... Sample size too small to report data reliably.
- Z Less than 0.5 percent.

X Not applicable.

NA Not available.

Estimates based upon fewer than ten responses are regarded as being based on a sample size that is too small for reliable reporting. An estimate based upon at least 10 but fewer than 30 responses is treated as an estimate based on a small sample size. Other footnotes appear, as necessary, to qualify or clarify the estimates reported in the tables. In addition, these two important footnotes appear frequently:

- Detail does not add to total because of multiple responses.
- Detail does not add to total because of multiple responses and nonresponse.

“Multiple responses” is a term used to reflect the fact that individuals or their characteristics fall into more than one category. Using Table 2 as an example, those who fished in saltwater and freshwater appear in both of these totals. Yet each angler is represented only once in the “Total, all fishing” column. Similarly, in Table 6, those who hunt for big game and small game are counted only once as a hunter in the “Total, all hunting” column. Therefore, totals will be smaller than the sum of subcategories when multiple responses exist.

“Nonresponse” exists because the Survey questions were answered voluntarily, and some respondents did not or could not answer all the questions. The effect of nonresponse is illustrated in Table 27, where the total days of hunting is greater than the sum of hunting days on private land and hunting days on public land. This occurs because some respondents did not answer the days hunted on private/public land questions. As a result, it is known how many days hunters hunted but not known if those days were on public or private land. In this case, totals are greater than the sum of subcategories when nonresponses have occurred.

Table 1. Anglers and Hunters 16 Years Old and Older, Days of Participation, and Trips by Type of Fishing and Hunting: 2011

(Population 16 years old and older. Numbers in thousands)

Type of fishing and hunting	Participants		Days of participation		Trips	
	Number	Percent	Number	Percent	Number	Percent
Total sportspersons	37,397	100	835,725	100	711,645	100
FISHING						
Total, all fishing	33,112	100	553,841	100	455,005	100
Total, all freshwater	27,547	83	455,862	82	368,805	81
Freshwater, except Great Lakes	27,060	82	443,223	80	353,620	78
Great Lakes	1,665	5	19,661	4	15,185	3
Saltwater	8,889	27	99,474	18	86,200	19
HUNTING						
Total, all hunting	13,674	100	281,884	100	256,640	100
Big game	11,570	85	212,116	75	167,320	65
Small game	4,506	33	50,884	18	43,135	17
Migratory birds	2,583	19	23,263	8	21,315	8
Other animals	2,168	16	34,434	12	24,869	10

Note: Detail does not add to total because of multiple responses.

Table 2. Anglers, Trips, and Days of Fishing by Type of Fishing: 2011

(Population 16 years old and older. Numbers in thousands)

Anglers, trips, and days of fishing	Total, all fishing		Freshwater						Saltwater	
			Total, all freshwater		Freshwater, except Great Lakes		Great Lakes			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ANGLERS										
Total in U.S	33,112	100	27,547	100	27,060	100	1,665	100	8,889	100
In state of residence	30,037	91	25,403	92	24,914	92	1,525	92	6,600	74
In other states	6,964	21	4,641	17	4,540	17	224	13	2,764	31
TRIPS										
Total in U.S	455,005	100	368,805	100	353,620	100	15,185	100	86,200	100
In state of residence	419,908	92	344,190	93	329,785	93	14,405	95	75,718	88
In other states	35,096	8	24,615	7	23,835	7	781	5	10,481	12
DAYS OF FISHING										
Total in U.S	553,841	100	455,862	100	443,223	100	19,661	100	99,474	100
In state of residence	502,008	91	421,155	92	403,207	91	18,231	93	86,027	86
In other states	57,499	10	43,861	10	42,801	10	1,503	8	13,681	14
Average days per angler	17	(X)	17	(X)	16	(X)	12	(X)	11	(X)

(X) Not applicable.

Note: Detail for participants does not add to total because of multiple responses. Percents shown are based on the respective "Total in U.S." rows.

Table 3. Freshwater Anglers and Days of Fishing by Type of Fish: 2011

(Population 16 years old and older. Numbers in thousands. Excludes Great Lakes fishing)

Type of fish	Anglers		Days of fishing		Average days per angler
	Number	Percent	Number	Percent	
Total, all types of fish	27,060	100	443,223	100	16
Black bass (largemouth, smallmouth, etc.)	10,626	39	171,279	39	16
White bass, striped bass and striped bass hybrids	4,374	16	60,998	14	14
Panfish	7,263	27	96,925	22	13
Crappie	6,123	23	101,958	23	17
Catfish and Bullheads	7,048	26	95,749	22	14
Walleye	2,493	9	38,361	9	15
Sauger	219	1	3,795	1	17
Northern pike, pickerel, muskie, muskie hybrids	1,642	6	23,420	5	14
Trout	7,157	26	75,748	17	11
Salmon	1,160	4	12,402	3	11
Steelhead	594	2	8,585	2	14
Anything ¹	3,360	12	37,224	8	11
Another type of freshwater fish	1,327	5	20,268	5	15

¹ Respondent fished for no specific species and identified "Anything" from a list of categories of fish.

Note: Detail for participants does not add to total because of multiple responses.

Table 4. Great Lakes Anglers and Days of Fishing by Type of Fish: 2011

(Population 16 years old and older. Numbers in thousands)

Type of fish	Anglers		Days of fishing		Average days per angler
	Number	Percent	Number	Percent	
Total, all types of fish	1,665	100	19,661	100	12
Black bass (largemouth, smallmouth, etc.)	559	34	4,830	25	9
Walleye, Sauger	584	35	5,612	29	10
Northern pike, pickerel, muskie, muskie hybrids	*224	*13	*2,271	*12	*10
Perch	497	30	5,805	30	12
Salmon	379	23	5,297	27	14
Steelhead	*198	*12	*3,092	*16	*16
Lake trout	*215	*13	*3,573	*18	*17
Other trout	*97	*6	*700	*4	*7
Anything ¹	*148	*9	*1,464	*7	*10
Another type of Great Lakes fish	*179	*11	*1,722	*9	*10

* Estimate based on a sample size of 10–29.

¹ Respondent fished for no specific species and identified "Anything" from a list of categories of fish.

Note: Detail for participants does not add to total because of multiple responses.

Table 5. Saltwater Anglers and Days of Fishing by Type of Fish: 2011

(Population 16 years old and older. Numbers in thousands)

Type of fish	Anglers		Days of fishing		Average days per angler
	Number	Percent	Number	Percent	
Total, all types of fish	8,889	100	99,474	100	11
Salmon	671	8	3,965	4	6
Striped bass	2,142	24	17,757	18	8
Flatfish (flounder, halibut)	2,005	23	22,473	23	11
Bluefish	1,028	12	10,044	10	10
Red drum (redfish)	1,548	17	21,130	21	14
Sea trout (weakfish)	1,089	12	15,261	15	14
Mackerel	650	7	7,732	8	12
Mahi Mahi (dolphinfish)	538	6	7,352	7	14
Tuna	564	6	3,339	3	6
Shellfish	561	6	3,950	4	7
Anything ¹	1,962	22	16,082	16	8
Another type of saltwater fish	3,388	38	38,065	38	11

¹ Respondent fished for no specific species and identified "Anything" from a list of categories of fish.

Note: Detail for participants does not add to total because of multiple responses.

Table 6. Hunters, Trips, and Days of Hunting by Type of Hunting: 2011

(Population 16 years old and older. Numbers in thousands)

Hunters, trips, and days of hunting	Total, all hunting		Big game		Small game		Migratory birds		Other animals	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
HUNTERS										
Total in U.S.	13,674	100	11,570	100	4,506	100	2,583	100	2,168	100
In state of residence	12,890	94	10,976	95	4,040	90	2,418	94	1,994	92
In other states	1,942	14	1,282	11	708	16	284	11	224	10
TRIPS										
Total in U.S.	256,640	100	167,320	100	43,135	100	21,315	100	24,869	100
In state of residence	244,202	95	159,894	96	39,918	93	20,341	95	24,050	97
In other states	12,438	5	7,426	4	3,218	7	974	5	819	3
DAYS OF HUNTING										
Total in U.S.	281,884	100	212,116	100	50,884	100	23,263	100	34,434	100
In state of residence	263,038	93	198,537	94	46,115	91	21,927	94	32,839	95
In other states	20,291	7	14,581	7	4,975	10	1,409	6	1,687	5
Average days per hunter	21	(X)	18	(X)	11	(X)	9	(X)	16	(X)

(X) Not applicable.

Note: Detail does not add to total because of multiple responses. Percents shown are based on the respective "Total in U.S." rows.

Table 7. Hunters and Days of Hunting by Type of Game: 2011

(Population 16 years old and older. Numbers in thousands)

Type of game	Hunters		Days of hunting		Average days per hunter
	Number	Percent	Number	Percent	
Total, all big game	11,570	100	212,116	100	18
Deer	10,851	94	167,658	79	15
Elk	867	7	7,715	4	9
Bear	526	5	4,824	2	9
Wild turkey	3,115	27	33,341	16	11
Moose	106	1	1,139	1	11
Other big game	305	3	4,911	2	16
Total, all small game	4,506	100	50,884	100	11
Rabbit, hare	1,545	34	16,893	33	11
Quail	841	19	9,419	19	11
Grouse/prairie chicken	812	18	7,541	15	9
Squirrel	1,691	38	20,542	40	12
Pheasant	1,474	33	9,670	19	7
Ptarmigan	*32	*1	*233	*(Z)	*7
Other small game	299	7	3,493	7	12
Total, all migratory birds	2,583	100	23,263	100	9
Water fowl (geese and/or ducks)	1,517	59	16,757	72	11
Geese	781	30	8,684	37	11
Ducks	1,371	53	15,295	66	11
Doves	1,271	49	7,041	30	6
Other Migratory birds	227	9	1,576	7	7
Total, all other animals (fox, raccoon, groundhog, alligator, etc.)	2,168	100	34,434	100	16

* Estimate based on a sample size of 10–29. (Z) Less than 0.5 percent.

Note: Detail does not add to total because of multiple responses.

Table 8. Selected Characteristics of Anglers and Hunters: 2011

(Population 16 years old and older. Numbers in thousands)

Characteristic	U.S. population		Sportspersons (fished or hunted)			Fished only		
	Number	Percent	Number	Percent who participated	Percent	Number	Percent who participated	Percent
Total persons	239,313	100	37,397	16	100	23,714	10	100
Population Density of Residence								
Urban	180,723	76	21,989	12	59	16,184	9	68
Rural	58,589	24	15,407	26	41	7,530	13	32
Population Size of Residence								
Metropolitan Statistical Area (MSA)	224,025	94	32,747	15	88	21,824	10	92
1,000,000 or more	127,462	53	13,733	11	37	10,366	8	44
250,000 to 999,999	48,157	20	7,777	16	21	5,403	11	23
50,000 to 249,999	48,406	20	11,238	23	30	6,055	13	26
Outside MSA	15,288	6	4,649	30	12	1,890	12	8
Census Geographic Division								
New England	11,593	5	1,441	12	4	1,021	9	4
Middle Atlantic	32,392	14	3,966	12	11	2,408	7	10
East North Central	36,199	15	6,766	19	18	4,078	11	17
West North Central	15,860	7	3,980	25	11	2,320	15	10
South Atlantic	46,417	19	6,749	15	18	4,871	10	21
East South Central	14,206	6	3,010	21	8	1,479	10	6
West South Central	27,195	11	4,855	18	13	2,946	11	12
Mountain	17,013	7	2,976	17	8	1,933	11	8
Pacific	38,438	16	3,654	10	10	2,658	7	11
Age								
16 to 17 years	7,652	3	1,103	14	3	685	9	3
18 to 24 years	26,517	11	2,886	11	8	1,597	6	7
25 to 34 years	41,613	17	6,750	16	18	4,671	11	20
35 to 44 years	40,779	17	6,723	16	18	4,299	11	18
45 to 54 years	46,167	19	8,365	18	22	5,222	11	22
55 to 64 years	38,469	16	6,886	18	18	4,043	11	17
65 years and older	38,117	16	4,684	12	13	3,196	8	13
65 to 74 years	22,655	9	3,506	15	9	2,285	10	10
75 and older	15,461	6	1,177	8	3	911	6	4
Sex								
Male, total	114,705	48	28,093	24	75	15,867	14	67
16 to 17 years	3,922	2	839	21	2	510	13	2
18 to 24 years	12,909	5	2,160	17	6	1,145	9	5
25 to 34 years	20,350	9	4,720	23	13	2,934	14	12
35 to 44 years	19,738	8	5,081	26	14	2,837	14	12
45 to 54 years	22,426	9	6,163	27	16	3,411	15	14
55 to 64 years	18,252	8	5,418	30	14	2,704	15	11
65 years and older	17,108	7	3,711	22	10	2,326	14	10
65 to 74 years	10,832	5	2,808	26	8	1,675	15	7
75 and older	6,276	3	903	14	2	651	10	3
Female, total	124,608	52	9,304	7	25	7,846	6	33
16 to 17 years	3,730	2	264	7	1	175	5	1
18 to 24 years	13,608	6	726	5	2	453	3	2
25 to 34 years	21,263	9	2,030	10	5	1,736	8	7
35 to 44 years	21,041	9	1,642	8	4	1,463	7	6
45 to 54 years	23,741	10	2,202	9	6	1,811	8	8
55 to 64 years	20,216	8	1,467	7	4	1,339	7	6
65 years and older	21,008	9	973	5	3	870	4	4
65 to 74 years	11,824	5	699	6	2	611	5	3
75 and older	9,185	4	274	3	1	260	3	1
Ethnicity								
Hispanic	32,557	14	1,793	6	5	1,522	5	6
Non-Hispanic	206,756	86	35,603	17	95	22,192	11	94
Race								
White	182,872	76	32,706	18	87	19,846	11	84
African American	23,402	10	2,341	10	6	1,928	8	8
Asian American	11,647	5	737	6	2	710	6	3
All others	21,392	9	1,612	8	4	1,230	6	5
Annual Household Income								
Less than \$20,000	30,550	13	3,610	12	10	2,619	9	11
\$20,000 to \$24,999	12,713	5	1,748	14	5	1,215	10	5
\$25,000 to \$29,999	10,441	4	1,481	14	4	986	9	4
\$30,000 to \$34,999	11,504	5	1,648	14	4	1,092	9	5
\$35,000 to \$39,999	11,441	5	1,714	15	5	1,108	10	5
\$40,000 to \$49,999	17,091	7	3,085	18	8	1,956	11	8
\$50,000 to \$74,999	33,850	14	6,725	20	18	4,114	12	17
\$75,000 to \$99,999	25,236	11	5,517	22	15	3,138	12	13
\$100,000 to \$149,999	23,790	10	4,799	20	13	2,868	12	12
\$150,000 or more	17,151	7	2,940	17	8	2,079	12	9
Not reported	45,545	19	4,131	9	11	2,540	6	11
Education								
11 years or less	31,574	13	4,225	13	11	2,743	9	12
12 years	81,984	34	12,329	15	33	7,346	9	31
1 to 3 years of college	55,014	23	9,486	17	25	5,976	11	25
4 years of college	42,552	18	6,995	16	19	4,548	11	19
5 years or more of college	28,188	12	4,361	15	12	3,101	11	13

See footnotes at end of table.

Table 8. Selected Characteristics of Anglers and Hunters: 2011—Continued

(Population 16 years old and older. Numbers in thousands)

Characteristic	Hunted only			Fished and hunted		
	Number	Percent who participated	Percent	Number	Percent who participated	Percent
Total persons	4,285	2	100	9,389	4	100
Population Density of Residence						
Urban	1,774	1	41	4,023	2	43
Rural	2,511	4	59	5,366	9	57
Population Size of Residence						
Metropolitan Statistical Area (MSA)	3,306	1	77	7,610	3	81
1,000,000 or more	1,064	1	25	2,303	2	25
250,000 to 999,999	706	1	16	1,668	3	18
50,000 to 249,999	1,536	3	36	3,638	8	39
Outside MSA	979	6	23	1,780	12	19
Census Geographic Division						
New England	86	1	2	334	3	4
Middle Atlantic	471	1	11	1,087	3	12
East North Central	905	3	21	1,783	5	19
West North Central	390	2	9	1,271	8	14
South Atlantic	587	1	14	1,283	3	14
East South Central	566	4	13	965	7	10
West South Central	556	2	13	1,353	5	14
Mountain	390	2	9	653	4	7
Pacific	335	1	8	661	2	7
Age						
16 to 17 years	*161	*2	*4	258	3	3
18 to 24 years	218	1	5	1,070	4	11
25 to 34 years	616	1	14	1,463	4	16
35 to 44 years	761	2	18	1,654	4	18
45 to 54 years	937	2	22	2,206	5	23
55 to 64 years	1,000	3	23	1,842	5	20
65 years and older	590	2	14	897	2	10
65 to 74 years	455	2	11	766	3	8
75 and older	135	1	3	131	1	1
Sex						
Male, total	3,867	3	90	8,351	7	89
16 to 17 years	*106	*3	*2	224	6	2
18 to 24 years	188	1	4	827	6	9
25 to 34 years	561	3	13	1,225	6	13
35 to 44 years	676	3	16	1,560	8	17
45 to 54 years	831	4	19	1,921	9	20
55 to 64 years	980	5	23	1,734	9	18
65 years and older	525	3	12	860	5	9
65 to 74 years	395	4	9	738	7	8
75 and older	130	2	3	122	2	1
Female, total	418	(Z)	10	1,039	1	11
16 to 17 years .....	...	...	...	...	...	...
18 to 24 years .....	...	...	...	*243	*2	*3
25 to 34 years .....	...	...	...	238	1	3
35 to 44 years	*85	*(Z)	*2	94	(Z)	1
45 to 54 years	*107	*(Z)	*2	285	1	3
55 to 64 years .....	...	...	...	*108	*1	*1
65 years and older	*65	*(Z)	*2	*37	*(Z)	*(Z)
65 to 74 years .....	...	...	...	*28	*(Z)	*(Z)
75 and older .....	...	...	...	...	...	...
Ethnicity						
Hispanic	*118	*(Z)	*3	153	(Z)	2
Non-Hispanic	4,167	2	97	9,236	4	98
Race						
White	4,146	2	97	8,706	5	93
African American .....	...	...	...	358	2	4
Asian American .....	...	...	...	*23	*(Z)	*(Z)
All others	*79	*(Z)	*2	303	1	3
Annual Household Income						
Less than \$20,000	343	1	8	648	2	7
\$20,000 to \$24,999	*174	*1	*4	358	3	4
\$25,000 to \$29,999	117	1	3	378	4	4
\$30,000 to \$34,999	204	2	5	352	3	4
\$35,000 to \$39,999	*193	*2	*4	413	4	4
\$40,000 to \$49,999	364	2	9	765	4	8
\$50,000 to \$74,999	874	3	20	1,737	5	18
\$75,000 to \$99,999	669	3	16	1,702	7	18
\$100,000 to \$149,999	669	3	16	1,263	5	13
\$150,000 or more	218	1	5	643	4	7
Not reported	460	1	11	1,131	2	12
Education						
11 years or less	521	2	12	961	3	10
12 years	1,826	2	43	3,149	4	34
1 to 3 years of college	991	2	23	2,519	5	27
4 years of college	653	2	15	1,794	4	19
5 years or more of college	293	1	7	967	3	10

* Estimate based on a sample size of 10–29.

... Sample size too small (less than 10) to report data reliably.

(Z) Less than 0.5 percent.

Note: Percent who participated columns show the percent of each row's population who participated in the activity named by the column. Percent columns show the percent of each column's participants who are described by the row heading. Demographic variables we could include but haven't are (1) relationship to head of household, (2) marital status, (3) population size of area participant grew up, (4) years participant lived in resident state, (5) whether or not participant has a job, and (6) whether or not participant is going to school, keeping house, or retired.

Table 9. Selected Characteristics of Anglers by Type of Fishing: 2011

(Population 16 years old and older. Numbers in thousands)

Characteristic	U.S. population		Total, all fishing			Total freshwater		
	Number	Percent	Number	Percent who participated	Percent	Number	Percent who participated	Percent
Total persons	239,313	100	33,112	14	100	27,547	12	100
Population Density of Residence								
Urban	180,723	76	20,216	11	61	15,918	9	58
Rural	58,589	24	12,896	22	39	11,629	20	42
Population Size of Residence								
Metropolitan Statistical Area (MSA)	224,025	94	29,442	13	89	24,133	11	88
1,000,000 or more	127,462	53	12,669	10	38	9,802	8	36
250,000 to 999,999	48,157	20	7,071	15	21	5,565	12	20
50,000 to 249,999	48,406	20	9,702	20	29	8,766	18	32
Outside MSA	15,288	6	3,670	24	11	3,414	22	12
Census Geographic Division								
New England	11,593	5	1,355	12	4	1,000	9	4
Middle Atlantic	32,392	14	3,496	11	11	2,409	7	9
East North Central	36,199	15	5,861	16	18	5,266	15	19
West North Central	15,860	7	3,591	23	11	3,421	22	12
South Atlantic	46,417	19	6,163	13	19	4,254	9	15
East South Central	14,206	6	2,444	17	7	2,274	16	8
West South Central	27,195	11	4,298	16	13	3,760	14	14
Mountain	17,013	7	2,586	15	8	2,499	15	9
Pacific	38,438	16	3,319	9	10	2,663	7	10
Age								
16 to 17 years	7,652	3	942	12	3	766	10	3
18 to 24 years	26,517	11	2,668	10	8	2,228	8	8
25 to 34 years	41,613	17	6,133	15	19	5,250	13	19
35 to 44 years	40,779	17	5,962	15	18	4,923	12	18
45 to 54 years	46,167	19	7,428	16	22	6,131	13	22
55 to 64 years	38,469	16	5,886	15	18	4,993	13	18
65 years and older	38,117	16	4,093	11	12	3,255	9	12
65 to 74 years	22,655	9	3,051	13	9	2,415	11	9
75 and older	15,461	6	1,042	7	3	840	5	3
Sex								
Male	114,705	48	24,226	21	73	20,359	18	74
Female	124,608	52	8,885	7	27	7,188	6	26
Ethnicity								
Hispanic	32,557	14	1,675	5	5	1,267	4	5
Non-Hispanic	206,756	86	31,436	15	95	26,280	13	95
Race								
White	182,872	76	28,560	16	86	23,995	13	87
African American	23,402	10	2,286	10	7	1,750	7	6
Asian American	11,647	5	733	6	2	472	4	2
All others	21,392	9	1,533	7	5	1,331	6	5
Annual Household Income								
Less than \$20,000	30,550	13	3,266	11	10	2,677	9	10
\$20,000 to \$24,999	12,713	5	1,573	12	5	1,421	11	5
\$25,000 to \$29,999	10,441	4	1,364	13	4	1,132	11	4
\$30,000 to \$34,999	11,504	5	1,444	13	4	1,190	10	4
\$35,000 to \$39,999	11,441	5	1,521	13	5	1,276	11	5
\$40,000 to \$49,999	17,091	7	2,721	16	8	2,412	14	9
\$50,000 to \$74,999	33,850	14	5,851	17	18	5,000	15	18
\$75,000 to \$99,999	25,236	11	4,848	19	15	4,182	17	15
\$100,000 to \$149,999	23,790	10	4,131	17	12	3,366	14	12
\$150,000 or more	17,151	7	2,722	16	8	2,047	12	7
Not reported	45,545	19	3,671	8	11	2,845	6	10
Education								
11 years or less	31,574	13	3,705	12	11	3,062	10	11
12 years	81,984	34	10,503	13	32	8,766	11	32
1 to 3 years of college	55,014	23	8,495	15	26	7,331	13	27
4 years of college	42,552	18	6,342	15	19	5,324	13	19
5 years or more of college	28,188	12	4,068	14	12	3,064	11	11

See footnotes at end of table.

Table 9. Selected Characteristics of Anglers by Type of Fishing: 2011—Continued

(Population 16 years old and older. Numbers in thousands)

Characteristic	Freshwater						Saltwater		
	Freshwater, except Great Lakes			Great Lakes					
	Number	Percent who participated	Percent	Number	Percent who participated	Percent	Number	Percent who participated	Percent
Total persons	27,060	11	100	1,665	1	100	8,889	4	100
Population Density of Residence									
Urban	15,656	9	58	907	1	54	6,654	4	75
Rural	11,404	19	42	758	1	46	2,235	4	25
Population Size of Residence									
Metropolitan Statistical Area (MSA)	23,759	11	88	1,416	1	85	8,519	4	96
1,000,000 or more	9,598	8	35	555	(Z)	33	4,658	4	52
250,000 to 999,999	5,498	11	20	485	1	29	2,191	5	25
50,000 to 249,999	8,663	18	32	376	1	23	1,669	3	19
Outside MSA	3,301	22	12	*249	*2	*15	370	2	4
Census Geographic Division									
New England	996	9	4	...	...	...	661	6	7
Middle Atlantic	2,343	7	9	395	1	24	1,425	4	16
East North Central	4,871	13	18	1,139	3	68	533	1	6
West North Central	3,418	22	13	*66	*(Z)	*4	*63	*(Z)	*1
South Atlantic	4,241	9	16	*35	*(Z)	*2	3,101	7	35
East South Central	2,274	16	8	...	...	...	360	3	4
West South Central	3,760	14	14	...	...	...	1,092	4	12
Mountain	2,494	15	9	...	...	...	170	1	2
Pacific	2,663	7	10	...	...	...	1,482	4	17
Age									
16 to 17 years	754	10	3	...	...	...	234	3	3
18 to 24 years	2,228	8	8	...	...	...	530	2	6
25 to 34 years	5,127	12	19	*320	*1	*19	1,505	4	17
35 to 44 years	4,847	12	18	232	1	14	1,571	4	18
45 to 54 years	5,954	13	22	483	1	29	2,161	5	24
55 to 64 years	4,911	13	18	359	1	22	1,730	4	19
65 years and older	3,239	8	12	*137	*(Z)	*8	1,157	3	13
65 to 74 years	2,403	11	9	*117	*1	*7	913	4	10
75 and older	836	5	3	...	...	...	244	2	3
Sex									
Male	20,033	17	74	1,257	1	75	6,610	6	74
Female	7,026	6	26	408	(Z)	25	2,279	2	26
Ethnicity									
Hispanic	1,267	4	5	...	...	...	603	2	7
Non-Hispanic	25,793	12	95	1,644	1	99	8,286	4	93
Race									
White	23,562	13	87	1,561	1	94	7,383	4	83
African American	1,701	7	6	...	...	...	764	3	9
Asian American	472	4	2	...	...	...	373	3	4
All others	1,326	6	5	...	...	...	369	2	4
Annual Household Income									
Less than \$20,000	2,631	9	10	...	...	...	725	2	8
\$20,000 to \$24,999	1,416	11	5	...	...	...	*98	*1	*1
\$25,000 to \$29,999	1,132	11	4	...	...	...	428	4	5
\$30,000 to \$34,999	1,155	10	4	...	...	...	310	3	3
\$35,000 to \$39,999	1,276	11	5	...	...	...	256	2	3
\$40,000 to \$49,999	2,346	14	9	*153	*1	*9	611	4	7
\$50,000 to \$74,999	4,921	15	18	278	1	17	1,731	5	19
\$75,000 to \$99,999	4,032	16	15	*321	*1	*19	1,367	5	15
\$100,000 to \$149,999	3,308	14	12	334	1	20	1,167	5	13
\$150,000 or more	2,022	12	7	*72	*(Z)	*4	1,050	6	12
Not reported	2,821	6	10	*123	*(Z)	*7	1,146	3	13
Education									
11 years or less	3,040	10	11	...	...	...	706	2	8
12 years	8,596	10	32	517	1	31	2,399	3	27
1 to 3 years of college	7,126	13	26	488	1	29	2,282	4	26
4 years of college	5,263	12	19	344	1	21	1,828	4	21
5 years or more of college	3,035	11	11	*177	*1	*11	1,673	6	19

* Estimate based on a sample size of 10–29.

... Sample size too small (less than 10) to report data reliably.

(Z) Less than 0.5 percent.

Note: Percent who participated columns show the percent of each row's population who participated in the activity named by the column. Percent columns show the percent of each column's participants who are described by the row heading. Demographic variables we could include but haven't are (1) relationship to head of household, (2) marital status, (3) population size of area participant grew up, (4) years participant lived in resident state, (5) whether or not participant has a job, and (6) whether or not participant is going to school, keeping house, or retired.

Table 10. Selected Characteristics of Hunters by Type of Hunting: 2011

(Population 16 years old and older. Numbers in thousands)

Characteristic	U.S. population		Total, all hunting			Big game		
	Number	Percent	Number	Percent who participated	Percent	Number	Percent who participated	Percent
Total persons	239,313	100	13,674	6	100	11,570	5	100
Population Density of Residence								
Urban	180,723	76	5,797	3	42	4,470	2	39
Rural	58,589	24	7,877	13	58	7,099	12	61
Population Size of Residence								
Metropolitan Statistical Area (MSA)	224,025	94	10,915	5	80	9,059	4	78
1,000,000 or more	127,462	53	3,367	3	25	2,693	2	23
250,000 to 999,999	48,157	20	2,374	5	17	1,898	4	16
50,000 to 249,999	48,406	20	5,174	11	38	4,468	9	39
Outside MSA	15,288	6	2,759	18	20	2,510	16	22
Census Geographic Division								
New England	11,593	5	420	4	3	335	3	3
Middle Atlantic	32,392	14	1,558	5	11	1,530	5	13
East North Central	36,199	15	2,688	7	20	2,336	6	20
West North Central	15,860	7	1,661	10	12	1,368	9	12
South Atlantic	46,417	19	1,870	4	14	1,653	4	14
East South Central	14,206	6	1,531	11	11	1,416	10	12
West South Central	27,195	11	1,909	7	14	1,537	6	13
Mountain	17,013	7	1,043	6	8	730	4	6
Pacific	38,438	16	996	3	7	666	2	6
Age								
16 to 17 years	7,652	3	419	5	3	385	5	3
18 to 24 years	26,517	11	1,288	5	9	1,049	4	9
25 to 34 years	41,613	17	2,079	5	15	1,677	4	14
35 to 44 years	40,779	17	2,416	6	18	2,110	5	18
45 to 54 years	46,167	19	3,143	7	23	2,719	6	24
55 to 64 years	38,469	16	2,842	7	21	2,478	6	21
65 years and older	38,117	16	1,487	4	11	1,151	3	10
65 to 74 years	22,655	9	1,221	5	9	968	4	8
75 and older	15,461	6	266	2	2	182	1	2
Sex								
Male	114,705	48	12,217	11	89	10,220	9	88
Female	124,608	52	1,457	1	11	1,350	1	12
Ethnicity								
Hispanic	32,557	14	271	1	2	214	1	2
Non-Hispanic	206,756	86	13,403	6	98	11,356	5	98
Race								
White	182,872	76	12,852	7	94	10,855	6	94
African American	23,402	10	413	2	3	364	2	3
Asian American	11,647	5	*27	*(Z)	*(Z)	*18	*(Z)	*(Z)
All others	21,392	9	382	2	3	333	2	3
Annual Household Income								
Less than \$20,000	30,550	13	991	3	7	876	3	8
\$20,000 to \$24,999	12,713	5	533	4	4	496	4	4
\$25,000 to \$29,999	10,441	4	495	5	4	447	4	4
\$30,000 to \$34,999	11,504	5	556	5	4	486	4	4
\$35,000 to \$39,999	11,441	5	606	5	4	523	5	5
\$40,000 to \$49,999	17,091	7	1,129	7	8	908	5	8
\$50,000 to \$74,999	33,850	14	2,610	8	19	2,332	7	20
\$75,000 to \$99,999	25,236	11	2,371	9	17	2,087	8	18
\$100,000 to \$149,999	23,790	10	1,932	8	14	1,433	6	12
\$150,000 or more	17,151	7	861	5	6	662	4	6
Not reported	45,545	19	1,591	3	12	1,320	3	11
Education								
11 years or less	31,574	13	1,482	5	11	1,411	4	12
12 years	81,984	34	4,975	6	36	4,454	5	38
1 to 3 years of college	55,014	23	3,510	6	26	2,874	5	25
4 years of college	42,552	18	2,447	6	18	1,915	4	17
5 years or more of college	28,188	12	1,260	4	9	916	3	8

See footnotes at end of table.

Table 10. Selected Characteristics of Hunters by Type of Hunting: 2011—Continued

(Population 16 years old and older. Numbers in thousands)

Characteristic	Small game			Migratory birds			Other animals		
	Number	Percent who participated	Percent	Number	Percent who participated	Percent	Number	Percent who participated	Percent
Total persons	4,506	2	100	2,583	1	100	2,168	1	100
Population Density of Residence									
Urban	2,118	1	47	1,172	1	45	1,065	1	49
Rural	2,389	4	53	1,411	2	55	1,103	2	51
Population Size of Residence									
Metropolitan Statistical Area (MSA)	3,612	2	80	2,134	1	83	1,699	1	78
1,000,000 or more	1,255	1	28	668	1	26	612	(Z)	28
250,000 to 999,999	819	2	18	465	1	18	325	1	15
50,000 to 249,999	1,539	3	34	1,001	2	39	762	2	35
Outside MSA	894	6	20	449	3	17	469	3	22
Census Geographic Division									
New England	174	2	4	60	1	2	59	1	3
Middle Atlantic	550	2	12	*71	*(Z)	*3	*261	*1	*12
East North Central	810	2	18	477	1	18	367	1	17
West North Central	735	5	16	326	2	13	192	1	9
South Atlantic	534	1	12	392	1	15	237	1	11
East South Central	455	3	10	167	1	6	183	1	8
West South Central	584	2	13	602	2	23	596	2	27
Mountain	333	2	7	200	1	8	163	1	8
Pacific	331	1	7	287	1	11	*112	*(Z)	*5
Age									
16 to 17 years	*102	*1	*2	*64	*1	*2	*68	*1	*3
18 to 24 years	364	1	8	291	1	11	175	1	8
25 to 34 years	801	2	18	619	1	24	436	1	20
35 to 44 years	837	2	19	449	1	17	473	1	22
45 to 54 years	963	2	21	475	1	18	402	1	19
55 to 64 years	935	2	21	405	1	16	452	1	21
65 years and older	503	1	11	281	1	11	162	(Z)	7
65 to 74 years	407	2	9	235	1	9	135	1	6
75 and older	97	1	2	*46	*(Z)	*2	*27	*(Z)	*1
Sex									
Male	4,251	4	94	2,353	2	91	2,020	2	93
Female	255	(Z)	6	*231	*(Z)	*9	*148	*(Z)	*7
Ethnicity									
Hispanic	*91	*(Z)	*2	*54	*(Z)	*2	...	...	...
Non-Hispanic	4,415	2	98	2,529	1	98	2,058	1	95
Race									
White	4,183	2	93	2,486	1	96	2,055	1	95
African American	*106	*(Z)	*2	...	...	...	...	...	...
Asian American .....	...	...	...	...	...	...	...	...	...
All others	202	1	4	*90	*(Z)	*4	*77	*(Z)	*4
Annual Household Income									
Less than \$20,000	269	1	6	*100	*(Z)	*4	*49	*(Z)	*2
\$20,000 to \$24,999	104	1	2	*30	*(Z)	*1	...	...	...
\$25,000 to \$29,999	148	1	3	*120	*1	*5	*93	*1	*4
\$30,000 to \$34,999	201	2	4	*79	*1	*3	*119	*1	*5
\$35,000 to \$39,999	237	2	5	*84	*1	*3	*92	*1	*4
\$40,000 to \$49,999	496	3	11	274	2	11	*279	*2	*13
\$50,000 to \$74,999	762	2	17	453	1	18	367	1	17
\$75,000 to \$99,999	769	3	17	500	2	19	338	1	16
\$100,000 to \$149,999	719	3	16	428	2	17	326	1	15
\$150,000 or more	319	2	7	161	1	6	210	1	10
Not reported	483	1	11	354	1	14	255	1	12
Education									
11 years or less	393	1	9	189	1	7	234	1	11
12 years	1,578	2	35	655	1	25	728	1	34
1 to 3 years of college	1,248	2	28	785	1	30	700	1	32
4 years of college	780	2	17	674	2	26	309	1	14
5 years or more of college	508	2	11	281	1	11	197	1	9

* Estimate based on a sample size of 10–29.

... Sample size too small (less than 10) to report data reliably.

(Z) Less than 0.5 percent.

Note: Percent who participated columns show the percent of each row's population who participated in the activity named by the column. Percent columns show the percent of each column's participants who are described by the row heading. Demographic variables we could include but haven't are (1) relationship to head of household, (2) marital status, (3) population size of area participant grew up, (4) years participant lived in resident state, (5) whether or not participant has a job, and (6) whether or not participant is going to school, keeping house, or retired. Detail does not add to total because of multiple responses and nonresponse.

Table 11. Summary of Expenditures for Fishing and Hunting: 2011

(Population 16 years old and older)

Expenditure item	Expenditures		Spenders		
	Amount (thousands of dollars)	Average per sportsperson (dollars) ¹	Number (thousands)	Percent of sportspersons	Average per spender (dollars) ¹
Total, all items	89,761,524	2,400	35,990	96	2,494
TRIP-RELATED EXPENDITURES					
Total trip-related	32,210,653	861	33,507	90	961
Food and lodging, total.	11,592,622	310	29,048	78	399
Food	8,653,068	231	28,773	77	301
Lodging	2,939,554	79	7,422	20	396
Transportation, total.	11,029,451	295	29,691	79	371
Public	1,107,975	30	2,760	7	401
Private	9,921,476	265	28,843	77	344
Other trip costs².	9,588,580	256	26,804	72	358
EQUIPMENT EXPENDITURES					
Fishing equipment.	6,179,132	165	21,920	59	282
Hunting equipment	8,182,297	219	11,585	31	706
Auxiliary equipment ³	3,736,648	100	11,198	30	334
Special equipment ⁴	25,129,326	672	3,990	11	6,298
OTHER EXPENDITURES					
Magazines, books, DVDs	319,781	9	6,053	16	53
Membership dues and contributions	1,122,787	30	5,394	14	208
Land leasing and ownership	10,563,362	282	2,935	8	3,600
Licenses, stamps, tags, and permits	1,614,937	43	24,099	64	67
Plantings (for hunting)	702,601	19	1,273	3	552

¹ Average expenditures are annual estimates.² Other trip costs include guide fees, pack trip or package fees, public and private land use fees, equipment rental, boating costs (which include launching, mooring, storage, maintenance, insurance, pumpout fees, and fuel), bait, ice, and heating and cooking fuel.³ Auxiliary equipment includes camping equipment, binoculars, special fishing and hunting clothing, processing and taxidermy costs, foul weather gear, boots, waders, field glasses, telescopes, and electronic equipment such as a GPS device.⁴ Special equipment includes boats, campers, cabins, trail bikes, dune buggies, 4 x 4 vehicles, ATVs, 4-wheelers, snowmobiles, pickups, vans, travel and tent trailers, motor homes, house trailers, recreational vehicles (RVs) and other special equipment.

Note: Detail does not add to total because of multiple responses. Detail in subsequent tables may not add to totals shown here because of nonresponse to individual questions.

Table 12. Expenditures for Fishing: 2011

(Population 16 years old and older)

Expenditure item	Expenditures		Spenders		
	Amount (thousands of dollars)	Average per angler (dollars) ¹	Number (thousands)	Percent of anglers	Average per spender (dollars) ¹
Total, all items	41,788,936	1,262	30,289	91	1,380
TRIP-RELATED EXPENDITURES					
Total trip-related	21,789,465	658	29,309	89	743
Food and lodging, total	7,711,318	233	25,158	76	307
Food	5,435,208	164	24,891	75	218
Lodging	2,276,110	69	5,983	18	380
Transportation, total	6,261,536	189	25,293	76	248
Public	803,771	24	2,222	7	362
Private	5,457,766	165	24,504	74	223
Other trip costs, total	7,816,610	236	25,143	76	311
Guide fees, pack trip or package fees	1,102,375	33	2,946	9	374
Public land use fees	237,887	7	4,190	13	57
Private land use fees	243,705	7	1,744	5	140
Equipment rental	245,547	7	1,872	6	131
Boating costs ²	3,815,819	115	7,929	24	481
Bait	1,497,445	45	19,717	60	76
Ice	509,494	15	13,400	40	38
Heating and cooking fuel	164,337	5	3,810	12	43
EQUIPMENT EXPENDITURES					
Fishing equipment, total	6,141,895	185	21,527	65	285
Rods, reels, poles, and rodmaking components	2,366,774	71	10,651	32	222
Lines and leaders	593,398	18	13,756	42	43
Artificial lures, flies, baits, and dressing for flies or lines	1,169,092	35	15,560	47	75
Hooks, sinkers, swivels, and other items attached to a line except lures and baits	628,600	19	16,496	50	38
Tackle boxes	141,789	4	4,271	13	33
Creels, stringers, fish bags, landing nets, and gaff hooks	131,515	4	3,655	11	36
Minnow traps, seines, and bait containers	81,008	2	3,172	10	26
Depth finders, fish finders, and other electronic fishing devices	469,849	14	938	3	501
Ice fishing equipment	241,328	7	637	2	379
Other fishing equipment	318,542	10	4,228	13	75
Auxiliary equipment, total	1,106,865	33	4,420	13	250
Camping equipment	385,633	12	1,976	6	195
Binoculars, field glasses, telescopes, etc.	85,522	3	410	1	208
Special fishing clothing, rubber boots, waders, and foul weather gear	318,382	10	2,472	7	129
Processing and taxidermy costs	82,766	2	188	1	440
Other	234,562	7	720	2	326
Special equipment³	8,257,673	249	2,296	7	3,596
OTHER EXPENDITURES					
Magazines, books, DVDs	108,308	3	2,483	8	44
Membership dues and contributions	321,990	10	1,728	5	186
Land leasing and ownership	3,434,097	104	924	3	3,716
Licenses, stamps, tags, and permits, total	628,642	19	17,166	52	37
Licenses	551,824	17	16,233	49	34
Stamps, tags, and permits	76,819	2	3,726	11	21

¹ Average expenditures are annual estimates.² Boating costs include launching, mooring, storage, maintenance, insurance, pumpout fees, and fuel.³ Special equipment includes boats, campers, cabins, trail bikes, dune buggies, 4 x 4 vehicles, ATVs, 4-wheelers, snowmobiles, pickups, vans, travel and tent trailers, motor homes, house trailers, recreational vehicles (RVs) and other special equipment.

Note: Detail does not add to total because of multiple responses. Detail in Tables 13 to 16 may not add to totals shown here because of multiple responses and nonresponse.

Table 13. Trip and Equipment Expenditures for Freshwater Fishing: 2011

(Population 16 years old and older)

Expenditure item	Expenditures		Spenders		
	Amount (thousands of dollars)	Average per angler (dollars) ¹	Number (thousands)	Percent of anglers	Average per spender (dollars) ¹
Total, all items	25,732,493	934	25,498	93	1,009
TRIP-RELATED EXPENDITURES					
Total trip-related	14,463,533	525	25,020	91	578
Food and lodging, total.	5,334,362	194	21,469	78	248
Food	3,811,899	138	21,316	77	179
Lodging	1,522,464	55	4,559	17	334
Transportation, total.	4,714,131	171	21,565	78	219
Public	479,435	17	1,393	5	344
Private	4,234,697	154	21,092	77	201
Other trip costs, total	4,415,039	160	21,102	77	209
Guide fees, pack trip or package fees	525,501	19	1,460	5	360
Public land use fees	188,463	7	3,568	13	53
Private land use fees	112,358	4	1,475	5	76
Equipment rental	183,811	7	1,468	5	125
Boating costs ²	1,980,784	72	6,231	23	318
Bait	950,729	35	16,644	60	57
Ice	323,059	12	11,162	41	29
Heating and cooking fuel	150,335	5	3,490	13	43
EQUIPMENT EXPENDITURES					
Fishing equipment, total.	4,269,676	155	17,043	62	251
Rods, reels, poles, and rodmaking components	1,597,184	58	8,174	30	195
Lines and leaders	387,736	14	10,282	37	38
Artificial lures, flies, baits, and dressing for flies or lines	914,388	33	12,375	45	74
Hooks, sinkers, swivels, and other items attached to a line except lures and baits	416,799	15	12,350	45	34
Tackle boxes	92,797	3	2,990	11	31
Creels, stringers, fish bags, landing nets, and gaff hooks	95,022	3	2,726	10	35
Minnow traps, seines, and bait containers	43,532	2	2,278	8	19
Depth finders, fish finders, and other electronic fishing devices	303,931	11	709	3	428
Ice fishing equipment	241,196	9	625	2	386
Other fishing equipment	177,091	6	2,787	10	64
Auxiliary equipment, total.	646,603	23	2,741	10	236
Camping equipment	150,712	5	800	3	188
Binoculars, field glasses, telescopes, etc.	65,985	2	242	1	273
Special fishing clothing, rubber boots, waders, and foul weather gear	209,291	8	1,645	6	127
Processing and taxidermy costs	*59,678	*2	*126	*(Z)	*473
Other	160,936	6	501	2	321
Special equipment³	6,352,682	231	1,764	6	3,602

* Estimate based on a sample size of 10–29. (Z) Less than 0.5 percent.

¹ Average expenditures are annual estimates.² Boating costs include launching, mooring, storage, maintenance, insurance, pumpout fees, and fuel.³ Special equipment includes boats, campers, cabins, trail bikes, dune buggies, 4 x 4 vehicles, ATVs, 4-wheelers, snowmobiles, pickups, vans, travel and tent trailers, motor homes, house trailers, recreational vehicles (RVs) and other special equipment.

Note: Detail does not add to total because of multiple responses.

Table 14. Trip and Equipment Expenditures for Freshwater Fishing, Except Great Lakes: 2011

(Population 16 years old and older)

Expenditure item	Expenditures		Spenders		
	Amount (thousands of dollars)	Average per angler (dollars) ¹	Number (thousands)	Percent of anglers	Average per spender (dollars) ¹
Total, all items	23,782,678	879	24,989	92	952
TRIP-RELATED EXPENDITURES					
Total trip-related	13,373,390	494	24,539	91	545
Food and lodging, total	4,960,614	183	20,962	77	237
Food	3,583,331	132	20,823	77	172
Lodging	1,377,283	51	4,324	16	319
Transportation, total	4,462,519	165	21,091	78	212
Public	466,090	17	1,344	5	347
Private	3,996,429	148	20,591	76	194
Other trip costs, total	3,950,256	146	20,600	76	192
Guide fees, pack trip or package fees	469,003	17	1,289	5	364
Public land use fees	173,406	6	3,477	13	50
Private land use fees	107,225	4	1,381	5	78
Equipment rental	158,371	6	1,336	5	119
Boating costs ²	1,695,453	63	5,847	22	290
Bait	896,405	33	16,299	60	55
Ice	309,180	11	10,897	40	28
Heating and cooking fuel	141,213	5	3,292	12	43
EQUIPMENT EXPENDITURES					
Fishing equipment, total	3,971,636	147	16,440	61	242
Rods, reels, poles, and rodmaking components	1,534,749	57	7,883	29	195
Lines and leaders	360,198	13	9,836	36	37
Artificial lures, flies, baits, and dressing for flies or lines	871,255	32	11,871	44	73
Hooks, sinkers, swivels, and other items attached to a line except lures and baits	376,457	14	11,826	44	32
Tackle boxes	87,079	3	2,834	10	31
Creels, stringers, fish bags, landing nets, and gaff hooks	86,298	3	2,573	10	34
Minnow traps, seines, and bait containers	38,918	1	2,096	8	19
Depth finders, fish finders, and other electronic fishing devices	284,072	10	691	3	411
Ice fishing equipment	178,447	7	605	2	295
Other fishing equipment	154,162	6	2,520	9	61
Auxiliary equipment, total	560,314	21	2,598	10	216
Camping equipment	138,054	5	764	3	181
Binoculars, field glasses, telescopes, etc.	65,985	2	242	1	273
Special fishing clothing, rubber boots, waders, and foul weather gear	182,239	7	1,573	6	116
Processing and taxidermy costs	*26,581	*1	*71	*(Z)	*372
Other	147,456	5	462	2	319
Special equipment³	5,877,338	217	1,653	6	3,555

* Estimate based on a sample size of 10–29. (Z) Less than 0.5 percent.

¹ Average expenditures are annual estimates.² Boating costs include launching, mooring, storage, maintenance, insurance, pumpout fees, and fuel.³ Special equipment includes boats, campers, cabins, trail bikes, dune buggies, 4 x 4 vehicles, ATVs, 4-wheelers, snowmobiles, pickups, vans, travel and tent trailers, motor homes, house trailers, recreational vehicles (RVs) and other special equipment.

Note: Detail does not add to total because of multiple responses.

Table 15. Trip and Equipment Expenditures for Great Lakes Fishing: 2011

(Population 16 years old and older)

Expenditure item	Expenditures		Spenders		
	Amount (thousands of dollars)	Average per angler (dollars) ¹	Number (thousands)	Percent of anglers	Average per spender (dollars) ¹
Total, all items	1,867,098	1,121	1,583	95	1,180
TRIP-RELATED EXPENDITURES					
Total trip-related	1,090,143	655	1,583	95	689
Food and lodging, total	373,748	224	1,497	90	250
Food	228,567	137	1,484	89	154
Lodging	145,181	87	399	24	364
Transportation, total	251,612	151	1,418	85	177
Public . . . . .	...	...	...	...	...
Private	238,268	143	1,403	84	170
Other trip costs, total	464,783	279	1,486	89	313
Guide fees, pack trip or package fees	*56,498	*34	*216	*13	*262
Public land use fees	*15,057	*9	*116	*7	*130
Private land use fees . . . . .	...	...	...	...	...
Equipment rental	*25,440	*15	*142	*9	*180
Boating costs ²	285,330	171	660	40	432
Bait	54,324	33	1,016	61	53
Ice	13,879	8	712	43	20
Heating and cooking fuel	*9,122	*5	*302	*18	*30
EQUIPMENT EXPENDITURES					
Fishing equipment, total	222,925	134	630	38	354
Rods, reels, poles, and rodmaking components	*49,524	*30	*281	*17	*176
Lines and leaders	24,424	15	402	24	61
Artificial lures, flies, baits, and dressing for flies or lines	38,319	23	382	23	100
Hooks, sinkers, swivels, and other items attached to a line except lures and baits	26,938	16	420	25	64
Tackle boxes . . . . .	...	...	...	...	...
Creels, stringers, fish bags, landing nets, and gaff hooks . . . . .	...	...	...	...	...
Minnow traps, seines, and bait containers . . . . .	...	...	...	...	...
Depth finders, fish finders, and other electronic fishing devices . . . . .	...	...	...	...	...
Ice fishing equipment . . . . .	...	...	...	...	...
Other fishing equipment	*19,738	*12	*210	*13	*94
Auxiliary equipment, total	*83,388	*50	*126	*8	*660
Camping equipment . . . . .	...	...	...	...	...
Binoculars, field glasses, telescopes, etc. . . . .	...	...	...	...	...
Special fishing clothing, rubber boots, waders, and foul weather gear . . . . .	...	...	...	...	...
Processing and taxidermy costs . . . . .	...	...	...	...	...
Other . . . . .	...	...	...	...	...
Special equipment³	*470,642	*283	*103	*6	*457

* Estimate based on a sample size of 10–29. ... Sample size too small (less than 10) to report data reliably.

¹ Average expenditures are annual estimates.² Boating costs include launching, mooring, storage, maintenance, insurance, pumpout fees, and fuel.³ Special equipment includes boats, campers, cabins, trail bikes, dune buggies, 4 x 4 vehicles, ATVs, 4-wheelers, snowmobiles, pickups, vans, travel and tent trailers, motor homes, house trailers, recreational vehicles (RVs) and other special equipment.

Note: Detail does not add to total because of multiple responses.

Table 16. Trip and Equipment Expenditures for Saltwater Fishing: 2011

(Population 16 years old and older)

Expenditure item	Expenditures		Spenders		
	Amount (thousands of dollars)	Average per angler (dollars) ¹	Number (thousands)	Percent of anglers	Average per spender (dollars) ¹
Total, all items	10,266,904	1,155	8,115	91	1,265
TRIP-RELATED EXPENDITURES					
Total trip-related	7,325,932	824	8,046	91	911
Food and lodging, total.	2,376,956	267	6,920	78	343
Food	1,623,310	183	6,767	76	240
Lodging	753,647	85	1,677	19	449
Transportation, total.	1,547,405	174	6,809	77	227
Public	324,336	36	979	11	331
Private	1,223,069	138	6,199	70	197
Other trip costs, total	3,401,571	383	6,885	77	494
Guide fees, pack trip or package fees	576,874	65	1,596	18	361
Public land use fees	49,424	6	894	10	55
Private land use fees	131,347	15	289	3	454
Equipment rental	61,736	7	493	6	125
Boating costs ²	1,835,036	206	2,230	25	823
Bait	546,716	62	4,725	53	116
Ice	186,435	21	3,534	40	53
Heating and cooking fuel	14,003	2	482	5	29
EQUIPMENT EXPENDITURES					
Fishing equipment, total.	1,424,590	160	3,936	44	362
Rods, reels, poles, and rodmaking components	608,539	68	1,880	21	324
Lines and leaders	154,622	17	2,622	30	59
Artificial lures, flies, baits, and dressing for flies or lines	180,156	20	2,288	26	79
Hooks, sinkers, swivels, and other items attached to a line except lures and baits	163,544	18	3,139	35	52
Tackle boxes	29,830	3	731	8	41
Creels, stringers, fish bags, landing nets, and gaff hooks	27,856	3	645	7	43
Minnow traps, seines, and bait containers	28,270	3	587	7	48
Depth finders, fish finders, and other electronic fishing devices	127,941	14	158	2	809
Other fishing equipment	103,831	12	997	11	104
Auxiliary equipment, total.	216,557	24	858	10	252
Camping equipment	*41,261	*5	*164	*2	*252
Binoculars, field glasses, telescopes, etc.	*17,818	*2	*132	*1	*135
Special fishing clothing, rubber boots, waders, and foul weather gear	76,434	9	621	7	123
Processing and taxidermy costs	*14,690	*2	*48	*1	*309
Other	66,354	7	159	2	417
Special equipment³	1,299,825	146	332	4	3,912

* Estimate based on a sample size of 10–29.

¹ Average expenditures are annual estimates.² Boating costs include launching, mooring, storage, maintenance, insurance, pumpout fees, and fuel.³ Special equipment includes boats, campers, cabins, trail bikes, dune buggies, 4 x 4 vehicles, ATVs, 4-wheelers, snowmobiles, pickups, vans, travel and tent trailers, motor homes, house trailers, recreational vehicles (RVs) and other special equipment.

Note: Detail does not add to total because of multiple responses.

Table 17. Expenditures for Hunting: 2011

(Population 16 years old and older)

Expenditure item	Expenditures		Spenders		
	Amount (thousands of dollars)	Average per hunter (dollars) ¹	Number (thousands)	Percent of hunters	Average per spender (dollars) ¹
Total, all items	33,702,017	2,465	13,364	98	2,522
TRIP-RELATED EXPENDITURES					
Total trip-related	10,421,189	762	11,914	87	875
Food and lodging, total	3,881,304	284	10,289	75	377
Food	3,217,859	235	10,253	75	314
Lodging	663,444	49	1,881	14	353
Transportation, total	4,767,915	349	10,990	80	434
Public	304,204	22	648	5	469
Private	4,463,711	326	10,885	80	410
Other trip costs, total	1,771,970	130	4,581	34	387
Guide fees, pack trip or package fees	493,913	36	1,024	7	482
Public land use fees	40,447	3	709	5	57
Private land use fees	755,087	55	1,193	9	633
Equipment rental	62,747	5	490	4	128
Boating costs ²	213,817	16	519	4	412
Heating and cooking fuel	205,959	15	2,817	21	73
EQUIPMENT EXPENDITURES					
Hunting equipment, total	7,738,324	566	10,400	76	744
Firearms	3,050,322	223	3,007	22	1,015
Rifles	1,429,097	105	1,695	12	843
Shotguns	914,619	67	1,213	9	754
Muzzleloaders, primitive firearms	122,035	9	370	3	330
Pistols, handguns	584,570	43	901	7	649
Bows, arrows, archery equipment	934,847	68	2,829	21	331
Telescopic sights	530,655	39	1,748	13	304
Decoys and game calls	301,995	22	2,738	20	110
Ammunition	1,298,456	95	8,828	65	147
Hand loading equipment	199,019	15	1,262	9	158
Hunting dogs and associated costs	951,110	70	1,007	7	945
Other	471,920	35	3,125	23	151
Auxiliary equipment, total	1,844,880	135	5,101	37	362
Camping equipment	159,853	12	570	4	280
Binoculars, field glasses, telescopes, etc.	287,186	21	1,210	9	237
Special hunting clothing, rubber boots, waders, and foul weather gear	570,308	42	3,082	23	185
Processing and taxidermy costs	672,759	49	2,055	15	327
Other	154,774	11	619	5	250
Special equipment³	4,389,286	321	613	4	7,159
OTHER EXPENDITURES					
Magazines, books, DVDs	107,272	8	1,934	14	55
Membership dues and contributions	382,817	28	1,885	14	203
Land leasing and ownership	7,129,265	521	2,279	17	3,128
Licenses, stamps, tags, and permits, total	986,385	72	10,214	75	97
Licenses	786,227	57	9,746	71	81
Federal duck stamps	33,094	2	2,206	16	15
Stamps, tags, and permits	167,064	12	3,554	26	47
Plantings	702,601	51	1,273	9	552

¹ Average expenditures are annual estimates.² Boating costs include launching, mooring, storage, maintenance, insurance, pumpout fees, and fuel.³ Special equipment includes boats, campers, cabins, trail bikes, dune buggies, 4 x 4 vehicles, ATVs, 4-wheelers, snowmobiles, pickups, vans, travel and tent trailers, motor homes, house trailers, recreational vehicles (RVs) and other special equipment.

Note: Detail does not add to total because of multiple responses. Detail in Tables 18 to 21 may not add to totals shown here because of multiple responses and nonresponse.

Table 18. Trip and Equipment Expenditures for Big Game Hunting: 2011

(Population 16 years old and older)

Expenditure item	Expenditures		Spenders		
	Amount (thousands of dollars)	Average per hunter (dollars) ¹	Number (thousands)	Percent of hunters	Average per spender (dollars) ¹
Total, all items	16,853,654	1,457	10,832	94	1,556
TRIP-RELATED EXPENDITURES					
Total trip-related	7,250,037	627	10,035	87	722
Food and lodging, total	2,648,161	229	8,599	74	308
Food	2,249,911	194	8,564	74	263
Lodging	398,250	34	1,205	10	330
Transportation, total	3,368,532	291	9,146	79	368
Public	187,802	16	459	4	409
Private	3,180,730	275	9,072	78	351
Other trip costs, total	1,233,345	107	3,579	31	345
Guide fees, pack trip or package fees	321,270	28	635	5	506
Public land use fees	29,685	3	521	5	57
Private land use fees	550,410	48	878	8	627
Equipment rental	55,106	5	362	3	152
Boating costs ²	122,485	11	187	2	655
Heating and cooking fuel	154,388	13	2,426	21	64
EQUIPMENT EXPENDITURES					
Hunting equipment, total	3,943,190	341	7,451	64	529
Firearms	1,357,095	117	1,610	14	843
Rifles	960,161	83	1,155	10	831
Shotguns	155,790	13	349	3	447
Muzzleloaders, primitive firearms	115,257	10	336	3	343
Pistols, handguns	125,887	11	149	1	845
Bows, arrows, archery equipment	880,239	76	2,628	23	335
Telescopic sights	429,382	37	1,356	12	317
Decoys and game calls	90,590	8	1,474	13	61
Ammunition	628,379	54	5,193	45	121
Hand loading equipment	80,039	7	809	7	99
Hunting dogs and associated costs	*186,857	*16	*194	*2	*963
Other	290,609	25	2,033	18	143
Auxiliary equipment, total	1,549,539	134	4,176	36	371
Camping equipment	144,504	12	425	4	340
Binoculars, field glasses, telescopes, etc.	248,233	21	913	8	272
Special hunting clothing, rubber boots, waders, and foul weather gear	434,845	38	2,245	19	194
Processing and taxidermy costs	614,547	53	1,862	16	330
Other	107,410	9	492	4	218
Special equipment³	4,110,887	355	534	5	7,697

* Estimate based on a sample size of 10–29.

¹ Average expenditures are annual estimates.² Boating costs include launching, mooring, storage, maintenance, insurance, pumpout fees, and fuel.³ Special equipment includes boats, campers, cabins, trail bikes, dune buggies, 4 x 4 vehicles, ATVs, 4-wheelers, snowmobiles, pickups, vans, travel and tent trailers, motor homes, house trailers, recreational vehicles (RVs) and other special equipment.

Note: Detail does not add to total because of multiple responses.

Table 19. Trip and Equipment Expenditures for Small Game Hunting: 2011

(Population 16 years old and older)

Expenditure item	Expenditures		Spenders		
	Amount (thousands of dollars)	Average per hunter (dollars) ¹	Number (thousands)	Percent of hunters	Average per spender (dollars) ¹
Total, all items	2,560,859	568	3,789	84	676
TRIP-RELATED EXPENDITURES					
Total trip-related	1,576,453	350	3,544	79	445
Food and lodging, total	657,647	146	2,950	65	223
Food	484,121	107	2,915	65	166
Lodging	173,526	39	571	13	304
Transportation, total	685,655	152	3,209	71	214
Public	*96,961	*22	*296	*7	*327
Private	588,693	131	3,148	70	187
Other trip costs, total	233,152	52	1,108	25	210
Guide fees, pack trip or package fees	97,596	22	403	9	242
Public land use fees	4,954	1	144	3	34
Private land use fees	97,989	22	255	6	385
Equipment rental	*2,114	*(Z)	*84	*2	*25
Boating costs ²	*10,573	*2	*53	*1	*199
Heating and cooking fuel	19,926	4	558	12	36
EQUIPMENT EXPENDITURES					
Hunting equipment, total	854,403	190	1,632	36	523
Firearms	363,391	81	495	11	735
Rifles	59,291	13	117	3	506
Shotguns	247,430	55	328	7	753
Muzzleloaders, primitive firearms . . . . .	...	...	...	...	...
Pistols, handguns	*55,453	*12	*89	*2	*625
Bows, arrows, archery equipment . . . . .	...	...	...	...	...
Telescopic sights	*17,965	*4	*102	*2	*177
Decoys and game calls	14,130	3	184	4	77
Ammunition	124,259	28	1,090	24	114
Hand loading equipment	*7,918	*2	*82	*2	*97
Hunting dogs and associated costs	290,947	65	376	8	775
Other	27,901	6	308	7	91
Auxiliary equipment, total	84,992	19	411	9	207
Camping equipment . . . . .	...	...	...	...	...
Binoculars, field glasses, telescopes, etc.	*6,479	*1	*82	*2	*79
Special hunting clothing, rubber boots, waders, and foul weather gear	31,707	7	259	6	122
Processing and taxidermy costs . . . . .	...	...	...	...	...
Other . . . . .	...	...	...	...	...
Special equipment³ . . . . .	...	...	...	...	...

* Estimate based on a sample size of 10–29.

... Sample size too small (less than 10) to report data reliably.

(Z) Less than 0.5 percent.

¹ Average expenditures are annual estimates.² Boating costs include launching, mooring, storage, maintenance, insurance, pumpout fees, and fuel.³ Special equipment includes boats, campers, cabins, trail bikes, dune buggies, 4 x 4 vehicles, ATVs, 4-wheelers, snowmobiles, pickups, vans, travel and tent trailers, motor homes, house trailers, recreational vehicles (RVs) and other special equipment.

Note: Detail does not add to total because of multiple responses.

Table 20. Trip and Equipment Expenditures for Migratory Bird Hunting: 2011

(Population 16 years old and older)

Expenditure item	Expenditures		Spenders		
	Amount (thousands of dollars)	Average per hunter (dollars) ¹	Number (thousands)	Percent of hunters	Average per spender (dollars) ¹
Total, all items	1,808,030	700	2,321	90	779
TRIP-RELATED EXPENDITURES					
Total trip-related	942,005	365	2,254	87	418
Food and lodging, total	316,443	122	1,819	70	174
Food	266,521	103	1,819	70	147
Lodging	49,922	19	170	7	293
Transportation, total	390,169	151	2,027	78	193
Public . . . . .	...	...	...	...	...
Private	381,398	148	2,020	78	189
Other trip costs, total	235,393	91	757	29	311
Guide fees, pack trip or package fees	*38,139	*15	*139	*5	*274
Public land use fees	*5,173	*2	*121	*5	*43
Private land use fees	86,532	33	212	8	408
Equipment rental	*3,818	*1	*73	*3	*53
Boating costs ²	77,227	30	320	12	241
Heating and cooking fuel	24,503	9	210	8	117
EQUIPMENT EXPENDITURES					
Hunting equipment, total	766,927	297	1,198	46	640
Firearms	190,253	74	209	8	910
Rifles . . . . .	...	...	...	...	...
Shotguns	190,253	74	209	8	910
Muzzleloaders, primitive firearms . . . . .	...	...	...	...	...
Pistols, handguns . . . . .	...	...	...	...	...
Bows, arrows, archery equipment . . . . .	...	...	...	...	...
Telescopic sights . . . . .	...	...	...	...	...
Decoys and game calls	129,258	50	460	18	281
Ammunition	144,494	56	927	36	156
Hand loading equipment . . . . .	...	...	...	...	...
Hunting dogs and associated costs	253,925	98	231	9	1,098
Other	*38,806	*15	*155	*6	*250
Auxiliary equipment, total	59,300	23	303	12	196
Camping equipment . . . . .	...	...	...	...	...
Binoculars, field glasses, telescopes, etc . . . . .	...	...	...	...	...
Special hunting clothing, rubber boots, waders, and foul weather gear	34,231	13	197	8	174
Processing and taxidermy costs . . . . .	...	...	...	...	...
Other . . . . .	...	...	...	...	...
Special equipment³ . . . . .	...	...	...	...	...

* Estimate based on a sample size of 10–29. ... Sample size too small (less than 10) to report data reliably.

¹ Average expenditures are annual estimates.² Boating costs include launching, mooring, storage, maintenance, insurance, pumpout fees, and fuel.³ Special equipment includes boats, campers, cabins, trail bikes, dune buggies, 4 x 4 vehicles, ATVs, 4-wheelers, snowmobiles, pickups, vans, travel and tent trailers, motor homes, house trailers, recreational vehicles (RVs) and other special equipment.

Note: Detail does not add to total because of multiple responses.

Table 21. Trip and Equipment Expenditures for Hunting Other Animals: 2011

(Population 16 years old and older)

Expenditure item	Expenditures		Spenders		
	Amount (thousands of dollars)	Average per hunter (dollars) ¹	Number (thousands)	Percent of hunters	Average per spender (dollars) ¹
Total, all items	857,607	396	1,589	73	540
TRIP-RELATED EXPENDITURES					
Total trip-related	652,693	301	1,536	71	425
Food and lodging, total	259,053	119	1,275	59	203
Food	217,306	100	1,274	59	171
Lodging	*41,747	*19	*167	*8	*251
Transportation, total	323,560	149	1,388	64	233
Public	*10,670	*5	*39	*2	*273
Private	312,889	144	1,380	64	227
Other trip costs, total	70,080	32	412	19	170
Guide fees, pack trip or package fees	*36,908	*17	*68	*3	*543
Public land use fees . . . . .	...	...	...	...	...
Private land use fees . . . . .	...	...	...	...	...
Equipment rental . . . . .	...	...	...	...	...
Boating costs ² . . . . .	...	...	...	...	...
Heating and cooking fuel	7,143	3	325	15	22
EQUIPMENT EXPENDITURES					
Hunting equipment, total	189,043	87	348	16	543
Firearms	*116,770	*54	*141	*7	*826
Rifles . . . . .	...	...	...	...	...
Shotguns . . . . .	...	...	...	...	...
Muzzleloaders, primitive firearms . . . . .	...	...	...	...	...
Pistols, handguns	*27,687	*13	*38	*2	*724
Bows, arrows, archery equipment . . . . .	...	...	...	...	...
Telescopic sights . . . . .	...	...	...	...	...
Decoys and game calls	*9,554	*4	*130	*6	*74
Ammunition	*31,230	*14	*230	*11	*136
Hand loading equipment . . . . .	...	...	...	...	...
Hunting dogs and associated costs . . . . .	...	...	...	...	...
Other . . . . .	...	...	...	...	...
Auxiliary equipment, total	*5,889	*3	*55	*3	*107
Camping equipment . . . . .	...	...	...	...	...
Binoculars, field glasses, telescopes, etc. . . . .	...	...	...	...	...
Special hunting clothing, rubber boots, waders, and foul weather gear . . . . .	...	...	...	...	...
Processing and taxidermy costs . . . . .	...	...	...	...	...
Other . . . . .	...	...	...	...	...
Special equipment³ . . . . .	...	...	...	...	...

* Estimate based on a sample size of 10–29. ... Sample size too small (less than 10) to report data reliably.

¹ Average expenditures are annual estimates.² Boating costs include launching, mooring, storage, maintenance, insurance, pumpout fees, and fuel.³ Special equipment includes boats, campers, cabins, trail bikes, dune buggies, 4 x 4 vehicles, ATVs, 4-wheelers, snowmobiles, pickups, vans, travel and tent trailers, motor homes, house trailers, recreational vehicles (RVs) and other special equipment.

Note: Detail does not add to total because of multiple responses.

Table 22. Special Equipment Expenditures for Fishing and Hunting: 2011

(Population 16 years old and older)

Special equipment item	Expenditures		Spenders		
	Amount (thousands of dollars)	Average per sportsperson (dollars) ¹	Number (thousands)	Percent of sportsperson	Average per spender (dollars) ¹
Total, all items	25,129,326	672	3,990	11	6,298
Motor boat (other than bass boat)	2,767,043	74	425	1	6,509
Bass boat	1,176,261	31	354	1	3,319
Canoe, other nonmotor boat	223,387	6	471	1	474
Boat motor, trailer or hitch, or other boat accessories	1,311,836	35	1,292	3	1,016
Travel or tent trailer, pickup, camper, van, motor home, recreational vehicle (RV), house trailer	14,994,726	401	1,174	3	12,775
Cabin	*654,369	*17	*78	*(Z)	*8,337
Trail bike, dune buggy, 4x4 vehicle, 4-wheeler, snowmobile	3,606,009	96	573	2	6,289
Other	395,695	11	392	1	1,009

* Estimate based on a sample size of 10–29. (Z) Less than 0.5 percent.

¹ Average expenditures are annual estimates.

Note: Detail does not add to total because of multiple responses.

Table 23. Anglers and Hunters Who Purchased Licenses or Were Exempt: 2011

(Population 16 years old and older. Numbers in thousands)

Sportspersons	Anglers		Hunters	
	Number	Percent	Number	Percent
Total sportspersons	33,112	100	13,674	100
Total license purchasers¹	21,473	65	10,626	78
Sportspersons purchasing license				
In state of residence	19,367	58	10,004	73
In other states	3,798	11	1,398	10
Total exempt from purchasing licenses	5,890	18	2,741	20
Sportspersons exempt from license purchase				
In state of residence	5,298	16	2,701	20
In other states	743	2	234	2
Other²	6,832	21	1,099	8
Not reported	839	3	282	2

¹ Includes persons who had licenses bought for them. Does not include persons who purchased licenses and did not fish or hunt in 2011.² Includes persons engaged in activities requiring no licenses or exemptions and those who failed to buy a license for activities requiring a license.

Note: Detail does not add to total because of multiple responses and nonresponse. Respondents could have been licensed in one state and exempt in another.

Table 24. Selected Characteristics of Anglers and Hunters Who Purchased Licenses: 2011

(Population 16 years old and older. Numbers in thousands)

Characteristic	Anglers						Hunters					
	Total		Purchased a license ¹		Did not purchase a license ²		Total		Purchased a license ¹		Did not purchase a license ²	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total persons	33,112	100	21,473	65	11,639	35	13,674	100	10,626	78	3,049	22
Population Density of Residence												
Urban	20,216	100	13,243	66	6,973	34	5,797	100	4,585	79	1,212	21
Rural	12,896	100	8,230	64	4,666	36	7,877	100	6,041	77	1,837	23
Population Size of Residence												
Metropolitan Statistical Area (MSA)	29,442	100	19,144	65	10,298	35	10,915	100	8,515	78	2,400	22
1,000,000 or more	12,669	100	7,792	62	4,877	38	3,367	100	2,577	77	791	23
250,000 to 999,999	7,071	100	4,720	67	2,351	33	2,374	100	1,957	82	418	18
50,000 to 249,999	9,702	100	6,632	68	3,070	32	5,174	100	3,982	77	1,192	23
Outside MSA	3,670	100	2,329	63	1,341	37	2,759	100	2,111	76	648	24
Census Geographic Division												
New England	1,355	100	896	66	459	34	420	100	316	75	104	25
Middle Atlantic	3,496	100	1,799	51	1,697	49	1,558	100	1,208	78	349	22
East North Central	5,861	100	4,339	74	1,521	26	2,688	100	2,249	84	439	16
West North Central	3,591	100	2,793	78	798	22	1,661	100	1,395	84	265	16
South Atlantic	6,163	100	3,191	52	2,972	48	1,870	100	1,340	72	530	28
East South Central	2,444	100	1,533	63	911	37	1,531	100	1,001	65	530	35
West South Central	4,298	100	2,138	50	2,160	50	1,909	100	1,451	76	458	24
Mountain	2,586	100	2,166	84	420	16	1,043	100	929	89	114	11
Pacific	3,319	100	2,617	79	702	21	996	100	736	74	260	26
Age												
16 to 17 years	942	100	499	53	444	47	419	100	356	85	*63	*15
18 to 24 years	2,668	100	1,874	70	794	30	1,288	100	967	75	322	25
25 to 34 years	6,133	100	3,819	62	2,314	38	2,079	100	1,537	74	542	26
35 to 44 years	5,962	100	4,221	71	1,740	29	2,416	100	2,021	84	395	16
45 to 54 years	7,428	100	5,148	69	2,280	31	3,143	100	2,670	85	473	15
55 to 64 years	5,886	100	4,074	69	1,812	31	2,842	100	2,220	78	622	22
65 years and older	4,093	100	1,838	45	2,256	55	1,487	100	856	58	632	42
65 to 74 years	3,051	100	1,513	50	1,538	50	1,221	100	707	58	514	42
75 and older	1,042	100	325	31	717	69	266	100	149	56	118	44
Sex												
Male	24,226	100	16,599	69	7,627	31	12,217	100	9,587	78	2,630	22
Female	8,885	100	4,873	55	4,012	45	1,457	100	1,039	71	419	29
Ethnicity												
Hispanic	1,675	100	1,052	63	623	37	271	100	154	57	*117	*43
Non-Hispanic	31,436	100	20,421	65	11,016	35	13,403	100	10,472	78	2,932	22
Race												
White	28,560	100	19,060	67	9,500	33	12,852	100	10,143	79	2,710	21
African American	2,286	100	1,255	55	1,031	45	413	100	*246	*60	*167	*40
Asian American	733	100	318	43	414	57	*27	*100	*15	*54	...	...
All others	1,533	100	839	55	693	45	382	100	223	58	159	42
Annual Household Income												
Less than \$20,000	3,266	100	1,808	55	1,458	45	991	100	716	72	275	28
\$20,000 to \$24,999	1,573	100	893	57	681	43	533	100	334	63	*199	*37
\$25,000 to \$29,999	1,364	100	674	49	690	51	495	100	355	72	*140	*28
\$30,000 to \$34,999	1,444	100	1,021	71	423	29	556	100	428	77	128	23
\$35,000 to \$39,999	1,521	100	885	58	636	42	606	100	481	79	125	21
\$40,000 to \$49,999	2,721	100	1,792	66	929	34	1,129	100	831	74	298	26
\$50,000 to \$74,999	5,851	100	3,832	66	2,019	34	2,610	100	2,131	82	480	18
\$75,000 to \$99,999	4,848	100	3,450	71	1,398	29	2,371	100	1,895	80	477	20
\$100,000 to \$149,999	4,131	100	3,050	74	1,081	26	1,932	100	1,579	82	352	18
\$150,000 or more	2,722	100	1,845	68	877	32	861	100	731	85	130	15
Not reported	3,671	100	2,222	61	1,449	39	1,591	100	1,146	72	445	28
Education												
11 years or less	3,705	100	2,023	55	1,682	45	1,482	100	1,104	74	379	26
12 years	10,503	100	6,621	63	3,882	37	4,975	100	3,839	77	1,136	23
1 to 3 years of college	8,495	100	5,718	67	2,777	33	3,510	100	2,624	75	886	25
4 years of college	6,342	100	4,620	73	1,722	27	2,447	100	2,025	83	422	17
5 years or more of college	4,068	100	2,492	61	1,576	39	1,260	100	1,034	82	226	18
Days of Participation												
1 to 5 days	14,732	100	8,387	57	6,346	43	3,730	100	2,575	69	1,155	31
6 to 10 days	6,168	100	4,012	65	2,156	35	2,721	100	2,128	78	593	22
11 to 25 days	5,971	100	4,361	73	1,610	27	3,457	100	2,760	80	697	20
26 days or more	6,049	100	4,643	77	1,406	23	3,678	100	3,158	86	520	14

* Estimate based on a sample size of 10–29.

... Sample size too small (less than 10) to report data reliably.

¹ Includes persons who purchased a license in 2011 in any state. Respondents could have been licensed in one state and exempt in another.² Includes those persons who did not purchase a license in any state in 2011 and those who did not specify a license purchase in 2011.

Table 25. Freshwater Anglers and Days of Fishing by Type of Water: 2011

(Population 16 years old and older. Numbers in thousands. Excludes Great Lakes fishing)

Type of water	Anglers		Days of fishing	
	Number	Percent	Number	Percent
Total, all types of water.	27,060	100	443,223	100
Lakes, reservoirs, and ponds.	22,791	84	335,732	76
Rivers or streams.	11,888	44	148,218	33

Note: Detail does not add to total because of multiple responses and nonresponse.

Table 26. Great Lakes Anglers and Days of Fishing by Great Lake: 2011

(Population 16 years old and older. Numbers in thousands)

Great Lake	Anglers		Days of fishing	
	Number	Percent	Number	Percent
Total, all Great Lakes	1,665	100	19,661	100
Lake Ontario, including the Niagara River.	*143	*9	*2,214	*11
Lake Erie, including the Detroit River	639	38	8,451	43
Lake Huron, including St. Mary's River System	*262	*16	*4,410	*22
Lake Michigan	413	25	2,585	13
Lake Superior	*147	*9	*1,527	*8
Lake St. Clair, including the St. Clair River . . . . .	...	...	...	...
St. Lawrence River. . . . .	...	...	...	...
Tributaries to the Great Lakes.	*159	*10	*1,254	*6

* Estimate based on a sample size of 10–29. ... Sample size too small (less than 10) to report data reliably.

Note: Detail does not add to total because of multiple responses and nonresponse.

Table 27. Hunters and Days of Hunting on Public and Private Land by Type of Hunting: 2011

(Population 16 years old and older. Numbers in thousands)

Hunters and days of hunting	Total, all hunting		Big game		Small game		Migratory birds		Other animals	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
HUNTERS										
Total, all land.	13,674	100	11,570	100	4,506	100	2,583	100	2,168	100
Public land, total	4,918	36	3,767	33	1,410	31	923	36	523	24
Public land only	1,733	13	1,578	14	606	13	526	20	250	12
Public and private land	3,185	23	2,189	19	805	18	397	15	273	13
Private land, total	11,537	84	9,696	84	3,756	83	1,999	77	1,886	87
Private land only	8,352	61	7,507	65	2,951	65	1,602	62	1,614	74
Private and public land	3,185	23	2,189	19	805	18	397	15	273	13
DAYS OF HUNTING										
Total, all land.	281,884	100	212,116	100	50,884	100	23,263	100	34,434	100
Public land ¹	61,486	22	39,149	18	13,915	27	8,467	36	5,452	16
Private land ²	218,839	78	167,271	79	36,951	73	13,292	57	27,161	79

¹ Days of hunting on public land include both days spent solely on public land and those spent on public and private land.² Days of hunting on private land include both days spent solely on private land and those spent on private and public land.

Note: Detail does not add to total because of multiple responses and nonresponse.

Table 28. Hunters and Days of Hunting on Public Land by Selected Characteristic: 2011

(Population 16 years old and older. Numbers in thousands)

Characteristic	Hunters				Days of hunting			
	Total hunters, public and private land	Hunters on public land ¹			Total days, public and private land	Days on public land ²		
		Number	Percent of total hunters	Percent of hunters using public land		Number	Percent of total days	Percent of days on public land
Total persons	13,674	4,918	36	100	281,884	61,486	22	100
Population Density of Residence								
Urban	5,797	2,390	41	49	97,899	29,594	30	48
Rural	7,877	2,529	32	51	183,986	31,892	17	52
Population Size of Residence								
Metropolitan Statistical Area (MSA)	10,915	3,977	36	81	216,150	50,269	23	82
1,000,000 or more	3,367	1,207	36	25	58,011	13,352	23	22
250,000 to 999,999	2,374	938	39	19	46,830	13,578	29	22
50,000 to 249,999	5,174	1,832	35	37	111,309	23,339	21	38
Outside MSA	2,759	941	34	19	65,734	11,217	17	18
Census Geographic Division								
New England	420	150	36	3	8,416	2,216	26	4
Middle Atlantic	1,558	694	45	14	38,487	7,743	20	13
East North Central	2,688	915	34	19	49,089	9,140	19	15
West North Central	1,661	702	42	14	30,715	7,951	26	13
South Atlantic	1,870	442	24	9	42,430	7,730	18	13
East South Central	1,531	253	17	5	40,701	3,048	7	5
West South Central	1,909	307	16	6	42,409	4,207	10	7
Mountain	1,043	803	77	16	14,723	10,564	72	17
Pacific	996	653	66	13	14,913	8,886	60	14
Age								
16 to 17 years	419	181	43	4	7,379	1,777	24	3
18 to 24 years	1,288	344	27	7	24,253	4,596	19	7
25 to 34 years	2,079	703	34	14	51,074	6,236	12	10
35 to 44 years	2,416	907	38	18	52,209	12,111	23	20
45 to 54 years	3,143	1,202	38	24	59,345	16,771	28	27
55 to 64 years	2,842	1,137	40	23	60,259	13,568	23	22
65 years and older	1,487	445	30	9	27,364	6,428	23	10
65 to 74 years	1,221	356	29	7	23,144	5,240	23	9
75 and older	266	89	33	2	4,220	1,188	28	2
Sex								
Male	12,217	4,523	37	92	263,059	57,722	22	94
Female	1,457	395	27	8	18,826	3,764	20	6
Ethnicity								
Hispanic	271	125	46	3	3,846	1,126	29	2
Non-Hispanic	13,403	4,793	36	97	278,038	60,360	22	98
Race								
White	12,852	4,709	37	96	265,100	58,343	22	95
African American	413	...	...	...	6,368	...	...	...
Asian American	*27	*21	*79	*(Z)	*680	*449	*66	*1
All others	382	145	38	3	9,737	2,184	22	4
Annual Household Income								
Less than \$20,000	991	249	25	5	19,844	3,549	18	6
\$20,000 to \$24,999	533	133	25	3	6,500	1,260	19	2
\$25,000 to \$29,999	495	115	23	2	9,289	1,688	18	3
\$30,000 to \$34,999	556	233	42	5	12,144	3,379	28	5
\$35,000 to \$39,999	606	182	30	4	11,984	1,732	14	3
\$40,000 to \$49,999	1,129	393	35	8	24,242	5,455	23	9
\$50,000 to \$74,999	2,610	1,014	39	21	55,666	13,386	24	22
\$75,000 to \$99,999	2,371	1,133	48	23	52,926	14,419	27	23
\$100,000 to \$149,999	1,932	739	38	15	37,706	8,829	23	14
\$150,000 or more	861	168	20	3	13,949	1,718	12	3
Not reported	1,591	561	35	11	37,636	6,072	16	10
Education								
11 years or less	1,482	446	30	9	31,409	5,699	18	9
12 years	4,975	1,983	40	40	112,076	27,685	25	45
1 to 3 years of college	3,510	1,274	36	26	75,816	15,799	21	26
4 years of college	2,447	881	36	18	39,414	7,997	20	13
5 years or more of college	1,260	335	27	7	23,169	4,306	19	7

* Estimate based on a sample size of 10–29. ... Sample size too small (less than 10) to report data reliably. (Z) Less than 0.5 percent.

¹ Hunters on public land include those who hunted on both public and private land.² Days of hunting on public land includes both days spent solely on public land and those spent on public and private land.

Note: Percent of total hunters and percent of total days are based on the total hunters and total days columns for each row. Percent of hunters using public land and percent of days on public land are based on the total numbers of hunters on public land and total numbers of days on public land, respectively.

Table 29. Hunters and Days of Hunting on Private Land by Selected Characteristic: 2011

(Population 16 years old and older. Numbers in thousands)

Characteristic	Hunters				Days of hunting			
	Total hunters, public and private land	Hunters on private land ¹			Total days, public and private land	Days on private land ²		
		Number	Percent of total hunters	Percent of hunters using private land		Number	Percent of total days	Percent of days on private land
Total persons	13,674	11,537	84	100	281,884	218,839	78	100
Population Density of Residence								
Urban	5,797	4,641	80	40	97,899	68,734	70	31
Rural	7,877	6,896	88	60	183,986	150,105	82	69
Population Size of Residence								
Metropolitan Statistical Area (MSA)	10,915	9,066	83	79	216,150	164,493	76	75
1,000,000 or more	3,367	2,788	83	24	58,011	46,824	81	21
250,000 to 999,999	2,374	1,824	77	16	46,830	32,155	69	15
50,000 to 249,999	5,174	4,454	86	39	111,309	85,513	77	39
Outside MSA	2,759	2,471	90	21	65,734	54,346	83	25
Census Geographic Division								
New England	420	368	88	3	8,416	6,186	74	3
Middle Atlantic	1,558	1,377	88	12	38,487	31,714	82	14
East North Central	2,688	2,432	90	21	49,089	38,347	78	18
West North Central	1,661	1,514	91	13	30,715	22,949	75	10
South Atlantic	1,870	1,699	91	15	42,430	34,591	82	16
East South Central	1,531	1,419	93	12	40,701	35,605	87	16
West South Central	1,909	1,723	90	15	42,409	38,077	90	17
Mountain	1,043	444	43	4	14,723	4,771	32	2
Pacific	996	560	56	5	14,913	6,599	44	3
Age								
16 to 17 years	419	365	87	3	7,379	6,090	83	3
18 to 24 years	1,288	1,142	89	10	24,253	19,266	79	9
25 to 34 years	2,079	1,766	85	15	51,074	42,296	83	19
35 to 44 years	2,416	2,119	88	18	52,209	38,871	74	18
45 to 54 years	3,143	2,568	82	22	59,345	43,001	72	20
55 to 64 years	2,842	2,343	82	20	60,259	48,638	81	22
65 years and older	1,487	1,233	83	11	27,364	20,675	76	9
65 to 74 years	1,221	1,014	83	9	23,144	17,743	77	8
75 and older	266	220	82	2	4,220	2,933	70	1
Sex								
Male	12,217	10,303	84	89	263,059	204,724	78	94
Female	1,457	1,233	85	11	18,826	14,115	75	6
Ethnicity								
Hispanic	271	*168	*62	*1	3,846	*2,524	*66	*1
Non-Hispanic	13,403	11,369	85	99	278,038	216,315	78	99
Race								
White	12,852	10,873	85	94	265,100	205,368	77	94
African American	413	365	88	3	6,368	5,856	92	3
Asian American	*27	...	...	...	*680	...	...	...
All others	382	288	75	2	9,737	7,377	76	3
Annual Household Income								
Less than \$20,000	991	893	90	8	19,844	15,618	79	7
\$20,000 to \$24,999	533	416	78	4	6,500	5,171	80	2
\$25,000 to \$29,999	495	460	93	4	9,289	7,869	85	4
\$30,000 to \$34,999	556	447	80	4	12,144	9,475	78	4
\$35,000 to \$39,999	606	481	79	4	11,984	9,448	79	4
\$40,000 to \$49,999	1,129	952	84	8	24,242	18,730	77	9
\$50,000 to \$74,999	2,610	2,164	83	19	55,666	41,085	74	19
\$75,000 to \$99,999	2,371	2,051	87	18	52,926	40,929	77	19
\$100,000 to \$149,999	1,932	1,541	80	13	37,706	28,559	76	13
\$150,000 or more	861	768	89	7	13,949	11,593	83	5
Not reported	1,591	1,362	86	12	37,636	30,362	81	14
Education								
11 years or less	1,482	1,306	88	11	31,409	26,387	84	12
12 years	4,975	3,989	80	35	112,076	81,891	73	37
1 to 3 years of college	3,510	3,063	87	27	75,816	60,480	80	28
4 years of college	2,447	2,093	86	18	39,414	30,885	78	14
5 years or more of college	1,260	1,086	86	9	23,169	19,195	83	9

* Estimate based on a sample size of 10–29. ... Sample size too small (less than 10) to report data reliably.

¹ Hunters on private land include those who hunted on both private and public land.² Days of hunting on private land includes both days spent solely on private land and those spent on private and public land.

Note: Percent of total hunters and percent of total days are based on the total hunters and total days columns for each row. Percent of hunters using private land and percent of days on private land are based on the total Numbers of hunters on private land and total Numbers of days on private land, respectively.

Table 30. Anglers Fishing From Boats and Days of Participation by Type of Fishing: 2011

(Population 16 years old and older. Numbers in thousands)

Participants and days of fishing	Total, all fishing		Freshwater, excludes Great Lakes		Great Lakes		Saltwater	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total anglers	33,112	100	27,060	100	1,665	100	8,889	100
Anglers fishing from boats	18,017	54	13,683	51	1,141	69	5,814	65
Total days of fishing	553,841	100	443,223	100	19,661	100	99,474	100
Days fishing from boats	257,444	46	190,518	43	10,799	55	56,127	56

Note: Detail does not add to total because of multiple responses and nonresponse.

Table 31. Participation in Ice Fishing and Fly-Fishing: 2011

(Population 16 years old and older. Numbers in thousands)

Anglers and days	Number	Percent
Total anglers	33,112	100
Ice anglers	1,930	6
Fly-anglers	4,260	13
Total days of fishing	553,841	100
Days of ice fishing	19,369	3
Days of fly-fishing	37,872	7

Note: Detail does not add to total because of multiple responses.

Table 32. Hunters Using Bows and Arrows, Muzzleloaders, or Other Firearms: 2011

(Population 16 years old and older. Numbers in thousands)

Hunters	Number	Percent
Total hunters	13,674	100
Hunters using bow and arrow	4,472	33
Hunters using muzzleloader	2,981	22
Hunters using other firearm (e.g., shotgun, rifle)	12,730	93
Total days of hunting	281,884	100
With bow and arrow	69,103	25
With muzzleloader	23,167	8
With other firearm (e.g., shotgun, rifle)	183,044	65

Note: Detail does not add to total because of multiple responses and nonresponse.

Table 33. Hunters Preparing for Hunting by Target Shooting: 2011

(Population 16 years old and older. Numbers in thousands)

Hunters	Total	
	Number	Percent
Total hunters	13,674	100
Target shooting in preparation for hunting	7,178	52
Used shooting ranges	2,943	22
With muzzleloader	420	3
With handgun	1,110	8
With other firearm (e.g., shotgun, rifle)	2,322	17
With airgun	406	3
With bow and arrow	*93	*1
With crossbow	564	4

* Estimate based on a sample size of 10–29.

Note: Detail does not add to total because of multiple responses.

Table 34. Land Owned or Leased for the Primary Purpose of Fishing or Hunting: 2011

(Population 16 years old and older. Numbers in thousands)

Fishing and hunting	Number	Percent
LAND OWNERSHIP		
Sportspersons Owning Land		
Total sportspersons	1,994	100
Anglers	807	40
Hunters	1,408	71
Acres Owned		
Total acres owned	180,392	100
Acres for fishing	25,208	14
Acres for hunting	155,184	86
Expenditures for Land Owned		
Total expenditures	9,155,543	100
For fishing	3,143,921	34
For hunting	6,011,622	66
LAND LEASING		
Sportspersons Leasing Land		
Total sportspersons	1,451	100
Anglers	207	14
Hunters	1,270	87
Acres Leased		
Total acres leased	430,030	100
Acres for fishing	9,984	2
Acres for hunting	420,046	98
Expenditures for Land Leased		
Total expenditures	1,407,820	100
For fishing	290,176	21
For hunting	1,117,643	79

Note: Detail does not add to total because of multiple responses.

Table 35. Wildlife-Watching Participants by Type of Activity: 2011

(Population 16 years old and older. Numbers in thousands)

Activity	Number	Percent
Total participants	71,776	100
Away from home.	22,496	31
Observe wildlife	19,808	28
Photograph wildlife.	12,354	17
Feed wildlife	5,399	8
Around the home.	68,598	96
Observe wildlife	45,046	63
Photograph wildlife.	25,370	35
Feed wildlife	52,817	74
Visit parks or natural areas ¹	12,311	17
Maintain plantings or natural areas.	13,399	19

¹ Includes visits only to parks or natural areas within one mile of home.

Note: Detail does not add to total because of multiple responses.

Table 36. Participants, Area Visited, Trips, and Days of Participation in Wildlife Watching Away From Home: 2011

(Population 16 years old and older. Numbers in thousands)

Participants, area visited, trips, and days of participation	Number	Percent
PARTICIPANTS		
Total participants	22,496	100
Observe wildlife	19,808	88
Photograph wildlife.	12,354	55
Feed wildlife	5,399	24
AREA VISITED		
Total, all areas	22,496	100
Public only	12,830	57
Private only	2,105	9
Public and private	5,545	25
Not reported	2,017	9
TRIPS		
Total trips	242,838	100
Average days per trip.	1	(X)
DAYS		
Total days	335,625	100
Observing wildlife	268,798	80
Photographing wildlife	110,459	33
Feeding wildlife	59,255	18
Average days per participant	15	(X)
Observing wildlife	14	(X)
Photographing wildlife	9	(X)
Feeding wildlife	11	(X)

(X) Not applicable.

Note: Detail does not add to total because of multiple responses.

Table 37. Participation in Wildlife-Watching Activities Around the Home: 2011

(Population 16 years old and older. Numbers in thousands)

Activity	Number	Percent	Activity	Number	Percent
Total around the home	68,598	100	PHOTOGRAPH WILDLIFE		
Observe wildlife	45,046	66			
Photograph wildlife	25,370	37	Participants photographing:		
Feed wildlife	52,817	77	Total, 1 day or more	25,370	100
Visit parks or natural areas ¹	12,311	18	1 day	4,289	17
Maintain natural areas	8,012	12	2 to 3 days	5,816	23
Maintain plantings	9,214	13	4 to 5 days	3,732	15
			6 to 10 days	4,343	17
			11 to 20 days	2,961	12
			21 days or more	3,689	15
OBSERVE WILDLIFE					
Participants observing:			FEED WILDLIFE		
Total, all wildlife	45,046	100	Participants feeding:		
Birds	41,346	92	Total, all wildlife	52,817	100
Land mammals, all	35,884	80	Wild birds	50,217	95
Large mammals	22,056	49	Other wildlife	14,820	28
Small mammals	31,629	70			
Amphibians or reptiles	14,132	31	MAINTAIN NATURAL AREAS		
Insects or spiders	16,589	37	Participants maintaining:		
Fish or other wildlife	8,388	19	Total, all acreages	8,012	100
			1 acre or less	4,369	55
Participants observing:			2 to 10 acres	2,621	33
Total, 1 day or more	45,046	100	11 to 50 acres	701	9
1 to 10 days	9,596	21	More than 50 acres	271	3
11 to 20 days	3,916	9			
21 to 50 days	5,791	13	MAINTAIN PLANTINGS		
51 to 100 days	5,091	11	Participants maintaining plantings	9,214	100
101 to 200 days	6,302	14			
201 days or more	13,123	29	Participants spending:		
			Less than \$25	3,553	39
VISIT PARKS OR NATURAL AREAS¹			\$25 to \$75	1,880	20
Participants visiting:			More than \$75	3,385	37
Total, 1 day or more	12,311	100	Average expenditure per participant for plantings ²	239	(X)
1 to 5 days	5,517	45			
6 to 10 days	2,048	17			
11 days or more	4,438	36			

(X) Not applicable.

¹ Includes visits only to parks or natural areas within one mile of home.² Average expenditures are annual estimates.

Note: Detail does not add to total because of multiple responses and nonresponse.

Table 38. Away-From-Home Wildlife Watchers by Wildlife Observed, Photographed, or Fed and Place: 2011

(Population 16 years old and older. Numbers in thousands)

Wildlife observed, photographed, or fed	Total participants		Participation by place					
			Total		In state of residence		In other states	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total, all wildlife	22,496	100	22,496	100	18,529	82	6,769	30
Total birds	18,924	84	18,924	100	16,037	85	6,257	33
Songbirds (cardinals, robins, etc.)	12,120	54	12,120	100	10,616	88	3,356	28
Birds of prey (hawks, eagles, etc.)	12,890	57	12,890	100	10,990	85	3,917	30
Waterfowl (ducks, geese, etc.)	13,333	59	13,333	100	11,081	83	4,231	32
Other water birds (shorebirds, herons, cranes, etc.)	10,606	47	10,606	100	8,509	80	3,483	33
Other birds (pheasants, turkeys, road runners, etc.)	6,857	30	6,857	100	5,770	84	1,790	26
Total land mammals	13,653	61	13,653	100	11,743	86	4,180	31
Large land mammals (deer, bear, etc.)	10,369	46	10,369	100	8,702	84	3,045	29
Small land mammals (squirrel, prairie dog, etc.)	10,299	46	10,299	100	8,758	85	3,299	32
Fish (salmon, shark, etc.)	6,358	28	6,358	100	4,964	78	2,075	33
Marine mammals (whales, dolphins, etc.)	4,008	18	4,008	100	2,325	58	1,864	47
Other wildlife (turtles, butterflies, etc.)	10,113	45	10,113	100	8,602	85	2,865	28

Note: Detail does not add to total because of multiple responses. Column showing percent of total participants is based on the "Total, all wildlife" numbers. "Participation by place" percent columns are based on the total numbers of participants for each type of wildlife.

Table 39. Wild Bird Observers and Days of Observation: 2011

(Population 16 years old and older. Numbers in thousands)

Observers and days of observation	Number	Percent
OBSERVERS		
Total bird observers	46,741	100
Around-the-home observers	41,346	88
Away-from-home observers	17,818	38
DAYS		
Total days observing birds	5,161,909	100
Around the home	4,923,873	95
Away from home	238,036	5

Note: Detail does not add to total because of multiple responses.

Table 40. Expenditures for Wildlife Watching: 2011

(Population 16 years old and older)

Expenditure item	Expenditures (thousands of dollars)	Spenders		
		Number (thousands)	Percent of wildlife- watching participants ¹	Average per spender (dollars) ²
Total, all items³	54,890,272	55,980	78	981
TRIP-RELATED EXPENDITURES				
Total trip-related	17,274,675	19,905	88	868
Food and lodging, total	9,349,439	17,017	76	549
Food	5,465,019	16,740	74	326
Lodging	3,884,420	6,851	30	567
Transportation, total	6,006,860	18,647	83	322
Public	2,521,247	3,029	13	832
Private	3,485,613	17,768	79	196
Other trip costs, total	1,918,376	9,359	42	205
Guide fees, pack trip or package fees	775,074	2,037	9	380
Public land use fees	239,021	6,212	28	38
Private land use fees	113,207	1,093	5	104
Equipment rental	141,017	1,485	7	95
Boating costs ⁴	547,875	1,366	6	401
Heating and cooking fuel	102,182	2,302	10	44
EQUIPMENT AND OTHER EXPENSES				
Total	37,615,597	52,584	73	715
Wildlife-watching equipment, total	11,323,179	47,951	67	236
Binoculars, spotting scopes	918,567	5,057	7	182
Cameras, video cameras, special lenses, and other photographic equipment	2,799,579	8,307	12	337
Film and photo processing	528,057	5,742	8	92
Bird food, total	4,068,161	36,956	51	110
Commercially prepared and packaged wild bird food	3,133,968	34,263	48	91
Other bulk foods used to feed wild birds	934,194	13,271	18	70
Feed for other wildlife	1,012,964	9,987	14	101
Nest boxes, bird houses, feeders, baths	969,708	19,181	27	51
Day packs, carrying cases, and special clothing	855,196	6,483	9	132
Other wildlife-watching equipment (such as field guides and maps)	170,946	4,847	7	35
Auxiliary equipment, total	1,555,374	6,445	9	241
Tents, tarps	289,781	2,964	4	98
Frame packs and backpacking equipment	216,231	1,976	3	109
Other camping equipment	294,173	2,472	3	119
Other auxiliary equipment (such as blinds and GPS devices)	755,188	2,008	3	376
Special equipment, total	14,272,368	2,219	3	6,433
Off-the-road vehicle	6,475,469	486	1	13,326
Travel or tent trailer, pickup, camper, van, motor home, house trailer, recreational vehicle (RV)	5,868,982	518	1	11,331
Boats, boat accessories	1,703,305	1,175	2	1,449
Cabins	...	...	...	...
Other	217,988	246	(Z)	886
Magazines, books, DVDs	420,395	8,480	12	50
Land leasing and ownership	5,676,794	1,233	2	4,603
Membership dues and contributions	2,163,568	10,756	15	201
Plantings	2,203,920	8,818	12	250

... Sample size too small (less than 10) to report data reliably. (Z) Less than 0.5 percent.

¹ Percent of wildlife-watching participants column is based on away-from-home participants for trip-related expenditures. For equipment and other expenditures the percent of wildlife-watching participants is based on total participants.² Average expenditures are annual estimates.³ Information on trip-related expenditures was collected for away-from-home participants only. Equipment and other expenditures are based on information collected from both away-from-home and around-the-home participants.⁴ Boating costs include launching, mooring, storage, maintenance, insurance, pumpout fees, and fuel.

Note: Detail does not add to total because of multiple responses and nonresponse.

Table 41. Selected Characteristics of Participants of Wildlife-Watching Activities Away From Home: 2011

(Population 16 years old and older. Numbers in thousands)

Characteristic	U.S. population		Total wildlife-watching participants			Total away-from-home participants		
	Number	Percent	Number	Percent who participated	Percent	Number	Percent who participated	Percent
Total persons	239,313	100	71,776	30	100	22,496	9	100
Population Density of Residence								
Urban	180,723	76	46,973	26	65	15,974	9	71
Rural	58,589	24	24,803	42	35	6,523	11	29
Population Size of Residence								
Metropolitan Statistical Area (MSA)	224,025	94	65,664	29	91	20,651	9	92
1,000,000 or more	127,462	53	33,070	26	46	10,672	8	47
250,000 to 999,999	48,157	20	16,436	34	23	4,634	10	21
50,000 to 249,999	48,406	20	16,159	33	23	5,346	11	24
Outside MSA	15,288	6	6,111	40	9	1,845	12	8
Census Geographic Division								
New England	11,593	5	3,954	34	6	1,187	10	5
Middle Atlantic	32,392	14	9,118	28	13	2,561	8	11
East North Central	36,199	15	12,840	35	18	3,168	9	14
West North Central	15,860	7	5,479	35	8	1,783	11	8
South Atlantic	46,417	19	13,315	29	19	4,393	9	20
East South Central	14,206	6	4,663	33	6	1,456	10	6
West South Central	27,195	11	7,164	26	10	1,728	6	8
Mountain	17,013	7	5,189	30	7	2,230	13	10
Pacific	38,438	16	10,054	26	14	3,990	10	18
Age								
16 to 17 years	7,652	3	964	13	1	339	4	2
18 to 24 years	26,517	11	2,580	10	4	773	3	3
25 to 34 years	41,613	17	7,969	19	11	3,117	7	14
35 to 44 years	40,779	17	10,163	25	14	4,326	11	19
45 to 54 years	46,167	19	15,594	34	22	5,768	12	26
55 to 64 years	38,469	16	16,155	42	23	4,740	12	21
65 years and older	38,117	16	18,351	48	26	3,433	9	15
65 to 74 years	22,655	9	12,044	53	17	2,722	12	12
75 and older	15,461	6	6,307	41	9	711	5	3
Sex								
Male, total	114,705	48	33,176	29	46	11,472	10	51
16 to 17 years	3,922	2	535	14	1	*162	*4	*1
18 to 24 years	12,909	5	1,281	10	2	490	4	2
25 to 34 years	20,350	9	3,590	18	5	1,500	7	7
35 to 44 years	19,738	8	5,269	27	7	2,455	12	11
45 to 54 years	22,426	9	7,228	32	10	2,797	12	12
55 to 64 years	18,252	8	7,361	40	10	2,340	13	10
65 years and older	17,108	7	7,912	46	11	1,727	10	8
65 to 74 years	10,832	5	5,406	50	8	1,428	13	6
75 and older	6,276	3	2,505	40	3	299	5	1
Female, total	124,608	52	38,600	31	54	11,025	9	49
16 to 17 years	3,730	2	429	12	1	*176	*5	*1
18 to 24 years	13,608	6	1,299	10	2	284	2	1
25 to 34 years	21,263	9	4,379	21	6	1,617	8	7
35 to 44 years	21,041	9	4,893	23	7	1,871	9	8
45 to 54 years	23,741	10	8,366	35	12	2,971	13	13
55 to 64 years	20,216	8	8,794	44	12	2,400	12	11
65 years and older	21,008	9	10,439	50	15	1,706	8	8
65 to 74 years	11,824	5	6,638	56	9	1,294	11	6
75 and older	9,185	4	3,802	41	5	412	4	2
Ethnicity								
Hispanic	32,557	14	3,723	11	5	1,442	4	6
Non-Hispanic	206,756	86	68,053	33	95	21,054	10	94
Race								
White	182,872	76	65,385	36	91	20,644	11	92
African American	23,402	10	2,590	11	4	610	3	3
Asian American	11,647	5	1,049	9	1	253	2	1
All others	21,392	9	2,752	13	4	989	5	4
Annual Household Income								
Less than \$20,000	30,550	13	6,768	22	9	1,622	5	7
\$20,000 to \$24,999	12,713	5	3,564	28	5	838	7	4
\$25,000 to \$29,999	10,441	4	2,385	23	3	663	6	3
\$30,000 to \$34,999	11,504	5	4,046	35	6	756	7	3
\$35,000 to \$39,999	11,441	5	3,326	29	5	1,018	9	5
\$40,000 to \$49,999	17,091	7	5,166	30	7	1,691	10	8
\$50,000 to \$74,999	33,850	14	12,685	37	18	4,773	14	21
\$75,000 to \$99,999	25,236	11	8,950	35	12	3,769	15	17
\$100,000 to \$149,999	23,790	10	8,700	37	12	2,775	12	12
\$150,000 or more	17,151	7	6,298	37	9	2,088	12	9
Not reported	45,545	19	9,888	22	14	2,502	5	11
Education								
11 years or less	31,574	13	5,575	18	8	1,237	4	5
12 years	81,984	34	21,098	26	29	5,224	6	23
1 to 3 years of college	55,014	23	16,135	29	22	5,337	10	24
4 years of college	42,552	18	16,066	38	22	5,436	13	24
5 years or more of college	28,188	12	12,901	46	18	5,263	19	23

See footnotes at end of table.

Table 41. Selected Characteristics of Participants of Wildlife-Watching Activities Away From Home: 2011—Continued

(Population 16 years old and older. Numbers in thousands)

Characteristic	Away-from-home participants								
	Observe			Photograph			Feed		
	Number	Percent who participated	Percent	Number	Percent who participated	Percent	Number	Percent who participated	Percent
Total persons	19,808	8	100	12,354	5	100	5,399	2	100
Population Density of Residence									
Urban	14,100	8	71	9,302	5	75	3,675	2	68
Rural	5,708	10	29	3,052	5	25	1,724	3	32
Population Size of Residence									
Metropolitan Statistical Area (MSA)	18,335	8	93	11,551	5	93	5,043	2	93
1,000,000 or more	9,523	7	48	6,284	5	51	2,775	2	51
250,000 to 999,999	4,059	8	20	2,646	5	21	782	2	14
50,000 to 249,999	4,753	10	24	2,621	5	21	1,487	3	28
Outside MSA	1,473	10	7	803	5	7	356	2	7
Census Geographic Division									
New England	1,126	10	6	761	7	6	178	2	3
Middle Atlantic	2,200	7	11	1,182	4	10	*379	*1	*7
East North Central	2,644	7	13	1,499	4	12	829	2	15
West North Central	1,589	10	8	999	6	8	411	3	8
South Atlantic	3,962	9	20	2,577	6	21	1,318	3	24
East South Central	1,234	9	6	751	5	6	395	3	7
West South Central	1,615	6	8	874	3	7	888	3	16
Mountain	2,021	12	10	1,415	8	11	384	2	7
Pacific	3,417	9	17	2,295	6	19	616	2	11
Age									
16 to 17 years	*300	*4	*2	*228	*3	*2	...	...	...
18 to 24 years	522	2	3	388	1	3	*257	*1	*5
25 to 34 years	2,825	7	14	1,704	4	14	960	2	18
35 to 44 years	3,586	9	18	2,045	5	17	900	2	17
45 to 54 years	5,041	11	25	3,641	8	29	1,501	3	28
55 to 64 years	4,363	11	22	2,525	7	20	949	2	18
65 years and older	3,170	8	16	1,822	5	15	693	2	13
65 to 74 years	2,485	11	13	1,482	7	12	634	3	12
75 and older	685	4	3	340	2	3	*60	*(Z)	*1
Sex									
Male, total	9,716	8	49	5,920	5	48	2,602	2	48
16 to 17 years	*126	*3	*1	...	...	...	...	...	...
18 to 24 years	266	2	1	*228	*2	*2	...	...	...
25 to 34 years	1,319	6	7	565	3	5	*493	*2	*9
35 to 44 years	2,008	10	10	998	5	8	435	2	8
45 to 54 years	2,337	10	12	1,828	8	15	650	3	12
55 to 64 years	2,121	12	11	1,246	7	10	483	3	9
65 years and older	1,539	9	8	950	6	8	342	2	6
65 to 74 years	1,245	11	6	754	7	6	304	3	6
75 and older	294	5	1	*196	*3	*2	...	...	...
Female, total	10,092	8	51	6,433	5	52	2,796	2	52
16 to 17 years	*175	*5	*1	...	...	...	...	...	...
18 to 24 years	256	2	1	*159	*1	*1	*98	*1	*2
25 to 34 years	1,506	7	8	1,139	5	9	467	2	9
35 to 44 years	1,579	8	8	1,046	5	8	465	2	9
45 to 54 years	2,704	11	14	1,814	8	15	851	4	16
55 to 64 years	2,242	11	11	1,279	6	10	466	2	9
65 years and older	1,631	8	8	872	4	7	351	2	7
65 to 74 years	1,240	10	6	728	6	6	330	3	6
75 and older	391	4	2	*144	*2	*1	...	...	...
Ethnicity									
Hispanic	1,207	4	6	932	3	8	*198	*1	*4
Non-Hispanic	18,602	9	94	11,422	6	92	5,201	3	96
Race									
White	18,318	10	92	11,351	6	92	4,715	3	87
African American	449	2	2	289	1	2	*318	*1	*6
Asian American	193	2	1	*134	*1	*1	...	...	...
All others	848	4	4	580	3	5	301	1	6
Annual Household Income									
Less than \$20,000	1,367	4	7	734	2	6	589	2	11
\$20,000 to \$24,999	700	6	4	437	3	4	*194	*2	*4
\$25,000 to \$29,999	630	6	3	508	5	4	*126	*1	*2
\$30,000 to \$34,999	628	5	3	450	4	4	184	2	3
\$35,000 to \$39,999	852	7	4	474	4	4	*282	*2	*5
\$40,000 to \$49,999	1,496	9	8	856	5	7	445	3	8
\$50,000 to \$74,999	3,994	12	20	2,410	7	20	1,146	3	21
\$75,000 to \$99,999	3,408	14	17	2,124	8	17	1,130	4	21
\$100,000 to \$149,999	2,544	11	13	1,644	7	13	395	2	7
\$150,000 or more	1,974	12	10	1,331	8	11	392	2	7
Not reported	2,214	5	11	1,386	3	11	516	1	10
Education									
11 years or less	1,065	3	5	581	2	5	564	2	10
12 years	4,149	5	21	2,514	3	20	1,518	2	28
1 to 3 years of college	4,712	9	24	2,753	5	22	1,375	2	25
4 years of college	4,950	12	25	3,369	8	27	1,260	3	23
5 years or more of college	4,933	18	25	3,136	11	25	681	2	13

* Estimate based on a sample size of 10–29.

... Sample size too small (less than 10) to report data reliably.

(Z) Less than 0.5 percent.

Note: Detail does not add to total because of multiple responses. Percent who participated columns show the percent of each row's population who participated in the activity named by the column. Percent columns show the percent of each column's participants who are described by the row heading.

Table 42. Selected Characteristics of Participants of Wildlife-Watching Activities Around the Home: 2011

(Population 16 years old and older. Numbers in thousands)

Characteristic	U.S. population		Total wildlife-watching participants			Total around-the-home participants		
	Number	Percent	Number	Percent who participated	Percent	Number	Percent who participated	Percent
Total persons	239,313	100	71,776	30	100	68,598	29	100
Population Density of Residence								
Urban	180,723	76	46,973	26	65	44,538	25	65
Rural	58,589	24	24,803	42	35	24,060	41	35
Population Size of Residence								
Metropolitan Statistical Area (MSA)	224,025	94	65,664	29	91	62,759	28	91
1,000,000 or more	127,462	53	33,070	26	46	31,459	25	46
250,000 to 999,999	48,157	20	16,436	34	23	15,879	33	23
50,000 to 249,999	48,406	20	16,159	33	23	15,421	32	22
Outside MSA	15,288	6	6,111	40	9	5,839	38	9
Census Geographic Division								
New England	11,593	5	3,954	34	6	3,858	33	6
Middle Atlantic	32,392	14	9,118	28	13	8,744	27	13
East North Central	36,199	15	12,840	35	18	12,492	35	18
West North Central	15,860	7	5,479	35	8	5,201	33	8
South Atlantic	46,417	19	13,315	29	19	12,767	28	19
East South Central	14,206	6	4,663	33	6	4,394	31	6
West South Central	27,195	11	7,164	26	10	7,087	26	10
Mountain	17,013	7	5,189	30	7	4,716	28	7
Pacific	38,438	16	10,054	26	14	9,337	24	14
Age								
16 to 17 years	7,652	3	964	13	1	903	12	1
18 to 24 years	26,517	11	2,580	10	4	2,360	9	3
25 to 34 years	41,613	17	7,969	19	11	7,282	18	11
35 to 44 years	40,779	17	10,163	25	14	9,260	23	13
45 to 54 years	46,167	19	15,594	34	22	14,917	32	22
55 to 64 years	38,469	16	16,155	42	23	15,801	41	23
65 years and older	38,117	16	18,351	48	26	18,074	47	26
65 to 74 years	22,655	9	12,044	53	17	11,914	53	17
75 and older	15,461	6	6,307	41	9	6,161	40	9
Sex								
Male, total	114,705	48	33,176	29	46	31,322	27	46
16 to 17 years	3,922	2	535	14	1	521	13	1
18 to 24 years	12,909	5	1,281	10	2	1,152	9	2
25 to 34 years	20,350	9	3,590	18	5	3,235	16	5
35 to 44 years	19,738	8	5,269	27	7	4,649	24	7
45 to 54 years	22,426	9	7,228	32	10	6,838	30	10
55 to 64 years	18,252	8	7,361	40	10	7,195	39	10
65 years and older	17,108	7	7,912	46	11	7,731	45	11
65 to 74 years	10,832	5	5,406	50	8	5,323	49	8
75 and older	6,276	3	2,505	40	3	2,408	38	4
Female, total	124,608	52	38,600	31	54	37,276	30	54
16 to 17 years	3,730	2	429	12	1	382	10	1
18 to 24 years	13,608	6	1,299	10	2	1,208	9	2
25 to 34 years	21,263	9	4,379	21	6	4,047	19	6
35 to 44 years	21,041	9	4,893	23	7	4,611	22	7
45 to 54 years	23,741	10	8,366	35	12	8,079	34	12
55 to 64 years	20,216	8	8,794	44	12	8,606	43	13
65 years and older	21,008	9	10,439	50	15	10,343	49	15
65 to 74 years	11,824	5	6,638	56	9	6,591	56	10
75 and older	9,185	4	3,802	41	5	3,752	41	5
Ethnicity								
Hispanic	32,557	14	3,723	11	5	3,398	10	5
Non-Hispanic	206,756	86	68,053	33	95	65,200	32	95
Race								
White	182,872	76	65,385	36	91	62,487	34	91
African American	23,402	10	2,590	11	4	2,567	11	4
Asian American	11,647	5	1,049	9	1	951	8	1
All others	21,392	9	2,752	13	4	2,593	12	4
Annual Household Income								
Less than \$20,000	30,550	13	6,768	22	9	6,584	22	10
\$20,000 to \$24,999	12,713	5	3,564	28	5	3,447	27	5
\$25,000 to \$29,999	10,441	4	2,385	23	3	2,247	22	3
\$30,000 to \$34,999	11,504	5	4,046	35	6	4,024	35	6
\$35,000 to \$39,999	11,441	5	3,326	29	5	3,224	28	5
\$40,000 to \$49,999	17,091	7	5,166	30	7	4,942	29	7
\$50,000 to \$74,999	33,850	14	12,685	37	18	11,696	35	17
\$75,000 to \$99,999	25,236	11	8,950	35	12	8,599	34	13
\$100,000 to \$149,999	23,790	10	8,700	37	12	8,295	35	12
\$150,000 or more	17,151	7	6,298	37	9	6,111	36	9
Not reported	45,545	19	9,888	22	14	9,429	21	14
Education								
11 years or less	31,574	13	5,575	18	8	5,418	17	8
12 years	81,984	34	21,098	26	29	20,281	25	30
1 to 3 years of college	55,014	23	16,135	29	22	15,257	28	22
4 years of college	42,552	18	16,066	38	22	15,526	36	23
5 years or more of college	28,188	12	12,901	46	18	12,115	43	18

See footnotes at end of table.

Table 42. Selected Characteristics of Participants of Wildlife-Watching Activities Around the Home: 2011—Continued

(Population 16 years old and older. Numbers in thousands)

Characteristic	Around-the-home participants								
	Observe			Photograph			Feed wild birds		
	Number	Percent who participated	Percent	Number	Percent who participated	Percent	Number	Percent who participated	Percent
Total persons	45,046	19	100	25,370	11	100	50,217	21	100
Population Density of Residence									
Urban	28,670	16	64	16,895	9	67	31,106	17	62
Rural	16,376	28	36	8,475	14	33	19,111	33	38
Population Size of Residence									
Metropolitan Statistical Area (MSA)	41,168	18	91	23,126	10	91	45,739	20	91
1,000,000 or more	20,309	16	45	11,867	9	47	22,417	18	45
250,000 to 999,999	10,220	21	23	5,575	12	22	11,656	24	23
50,000 to 249,999	10,640	22	24	5,684	12	22	11,666	24	23
Outside MSA	3,878	25	9	2,243	15	9	4,478	29	9
Census Geographic Division									
New England	2,630	23	6	1,688	15	7	2,938	25	6
Middle Atlantic	6,231	19	14	3,269	10	13	6,089	19	12
East North Central	7,530	21	17	4,599	13	18	9,874	27	20
West North Central	3,328	21	7	1,848	12	7	3,992	25	8
South Atlantic	7,863	17	17	4,346	9	17	9,493	20	19
East South Central	2,765	19	6	1,292	9	5	3,560	25	7
West South Central	4,979	18	11	2,412	9	10	5,545	20	11
Mountain	3,346	20	7	2,057	12	8	3,049	18	6
Pacific	6,374	17	14	3,858	10	15	5,677	15	11
Age									
16 to 17 years	399	5	1	452	6	2	453	6	1
18 to 24 years	1398	5	3	748	3	3	1287	5	3
25 to 34 years	4087	10	9	3181	8	13	4511	11	9
35 to 44 years	6014	15	13	3969	10	16	5802	14	12
45 to 54 years	9608	21	21	6212	13	24	10642	23	21
55 to 64 years	10757	28	24	6174	16	24	12222	32	24
65 years and older	12783	34	28	4635	12	18	15300	40	30
65 to 74 years	8734	39	19	3714	16	15	9946	44	20
75 and older	4048	26	9	921	6	4	5354	35	11
Sex									
Male, total	19,525	17	43	11,995	10	47	21,404	19	43
16 to 17 years	*250	*6	*1	*273	*7	*1	*204	*5	*(Z)
18 to 24 years	658	5	1	458	4	2	361	3	1
25 to 34 years	1,752	9	4	1,282	6	5	2,002	10	4
35 to 44 years	2,852	14	6	1,851	9	7	2,513	13	5
45 to 54 years	3,947	18	9	3,086	14	12	4,594	20	9
55 to 64 years	4,959	27	11	2,718	15	11	5,374	29	11
65 years and older	5,106	30	11	2,328	14	9	6,356	37	13
65 to 74 years	3,697	34	8	1,826	17	7	4,178	39	8
75 and older	1,409	22	3	502	8	2	2,178	35	4
Female, total	25,521	20	57	13,374	11	53	28,813	23	57
16 to 17 years	*149	*4	*(Z)	*179	*5	*1	*249	*7	*(Z)
18 to 24 years	739	5	2	290	2	1	926	7	2
25 to 34 years	2,336	11	5	1,898	9	7	2,508	12	5
35 to 44 years	3,162	15	7	2,118	10	8	3,289	16	7
45 to 54 years	5,661	24	13	3,126	13	12	6,049	25	12
55 to 64 years	5,798	29	13	3,456	17	14	6,848	34	14
65 years and older	7,677	37	17	2,307	11	9	8,944	43	18
65 to 74 years	5,038	43	11	1,888	16	7	5,767	49	11
75 and older	2,639	29	6	419	5	2	3,176	35	6
Ethnicity									
Hispanic	2,223	7	5	1,276	4	5	2,640	8	5
Non-Hispanic	42,823	21	95	24,094	12	95	47,576	23	95
Race									
White	41,269	23	92	23,396	13	92	46,225	25	92
African American	1,750	7	4	716	3	3	1,518	6	3
Asian American	323	3	1	368	3	1	620	5	1
All others	1,704	8	4	890	4	4	1,854	9	4
Annual Household Income									
Less than \$20,000	4,414	14	10	1,656	5	7	4,603	15	9
\$20,000 to \$24,999	2,113	17	5	1,032	8	4	2,835	22	6
\$25,000 to \$29,999	1,370	13	3	598	6	2	1,805	17	4
\$30,000 to \$34,999	2,791	24	6	893	8	4	3,162	27	6
\$35,000 to \$39,999	2,102	18	5	1,157	10	5	2,293	20	5
\$40,000 to \$49,999	3,562	21	8	1,916	11	8	3,596	21	7
\$50,000 to \$74,999	7,544	22	17	5,063	15	20	8,345	25	17
\$75,000 to \$99,999	5,788	23	13	3,674	15	14	6,362	25	13
\$100,000 to \$149,999	5,488	23	12	3,728	16	15	5,620	24	11
\$150,000 or more	3,683	21	8	2,792	16	11	4,223	25	8
Not reported	6,192	14	14	2,862	6	11	7,374	16	15
Education									
11 years or less	3,414	11	8	1,228	4	5	4,011	13	8
12 years	12,933	16	29	6,225	8	25	16,061	20	32
1 to 3 years of college	10,026	18	22	6,002	11	24	10,963	20	22
4 years of college	10,211	24	23	6,345	15	25	11,479	27	23
5 years or more of college	8,462	30	19	5,569	20	22	7,701	27	15

* Estimate based on a sample size of 10–29. (Z) Less than 0.5 percent.

Note: Detail does not add to total because of multiple responses and nonresponse. Percent who participated columns show the percent of each row's population who participated in the activity named by the column. Percent columns show the percent of each column's participants who are described by the row heading.

Table 43. Land Owned or Leased for the Primary Purpose of Wildlife Watching: 2011

(Population 16 years old and older. Numbers in thousands)

Wildlife watching	Number	Average per person ¹
Land Ownership for Wildlife Watching		
Participants owning land	1,206	(X)
Acres owned	39,420	33
Expenditures for owned land	5,573,697	4,623
Land Leasing for Wildlife Watching		
Participants leasing land	*124	(X)
Acres leased	*3,618	*29
Expenditures for leased land	*103,097	*832

* Estimate based on a sample size of 10–29. (X) Not Applicable.

¹ Average expenditures are annual estimates.

Note: Detail does not add to total because of multiple responses and nonresponse.

Table 44. Participation of Wildlife-Watching Participants in Fishing and Hunting: 2011

(Population 16 years old and older. Numbers in thousands)

Type of fishing and hunting	Total		Away from home		Around the home	
	Number	Percent	Number	Percent	Number	Percent
Total participants	71,776	100	22,496	100	68,598	100
Nonsportspersons	52,459	73	13,909	62	51,310	75
Sportspersons	19,317	27	8,587	38	17,288	25
Anglers	17,029	24	7,549	34	15,211	22
Hunters	7,805	11	3,656	16	6,989	10

Note: Detail does not add to total because of multiple responses and nonresponse.

Table 45. Participation of Sportspersons in Wildlife-Watching Activities: 2011

(Population 16 years old and older. Numbers in thousands)

Wildlife-watching activity	Sportspersons		Anglers		Hunters	
	Number	Percent	Number	Percent	Number	Percent
Total sportspersons	37,397	100	33,112	100	13,674	100
Sportspersons who:						
Did not engage in wildlife-watching activities	18,079	48	16,082	49	5,869	43
Engaged in wildlife-watching activities	19,317	52	17,029	51	7,805	57
Away from home	8,587	23	7,549	23	3,656	27
Around the home	17,288	46	15,211	46	6,989	51

Note: Detail does not add to total because of multiple responses and nonresponse.

Table 46. Participation in Wildlife-Related Recreation by State Residents Both Inside and Outside Their Resident State: 2011

(Population 16 years old and older. Numbers in thousands)

Participant's state of residence	Population	Total participants		Sportspersons		Wildlife-watching participation	
		Number	Percent of population	Number	Percent of population	Number	Percent of population
United States, total	239,313	90,108	38	37,397	16	71,776	30
Alabama	3,664	1,490	41	744	20	1,079	29
Alaska	526	337	64	235	45	247	47
Arizona	5,084	1,660	33	721	14	1,281	25
Arkansas	2,238	1,119	50	572	26	828	37
California	28,562	7,360	26	1,898	7	6,475	23
Colorado	3,946	1,854	47	727	18	1,456	37
Connecticut	2,781	1,204	43	347	12	1,093	39
Delaware	699	260	37	101	14	209	30
Florida	14,855	4,652	31	2,068	14	3,598	24
Georgia	7,459	2,752	37	981	13	2,206	30
Hawaii	995	222	22	108	11	161	16
Idaho	1,172	638	54	331	28	464	40
Illinois	9,988	3,493	35	1,487	15	2,784	28
Indiana	4,965	2,131	43	842	17	1,681	34
Iowa	2,363	1,097	46	586	25	780	33
Kansas	2,163	1,011	47	453	21	776	36
Kentucky	3,376	1,470	44	643	19	1,221	36
Louisiana	3,449	1,380	40	802	23	840	24
Maine	1,066	520	49	233	22	401	38
Maryland	4,480	1,396	31	426	9	1,224	27
Massachusetts	5,320	1,779	33	464	9	1,530	29
Michigan	7,787	3,709	48	1,636	21	3,067	39
Minnesota	4,133	2,107	51	1,400	34	1,498	36
Mississippi	2,220	1,017	46	700	32	630	28
Missouri	4,667	2,105	45	1,001	21	1,645	35
Montana	777	334	43	223	29	258	33
Nebraska	1,387	499	36	258	19	362	26
Nevada	2,024	594	29	171	8	504	25
New Hampshire	1,066	470	44	168	16	388	36
New Jersey	6,852	2,057	30	709	10	1,708	25
New Mexico	1,551	592	38	252	16	486	31
New York	15,503	5,143	33	1,980	13	4,081	26
North Carolina	7,264	2,717	37	1,394	19	2,124	29
North Dakota	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Ohio	8,999	4,078	45	1,603	18	3,155	35
Oklahoma	2,828	1,549	55	770	27	1,233	44
Oregon	3,061	1,396	46	444	15	1,239	40
Pennsylvania	10,036	4,063	40	1,277	13	3,329	33
Rhode Island	848	309	36	94	11	270	32
South Carolina	3,555	1,299	37	615	17	944	27
South Dakota	631	371	59	190	30	267	42
Tennessee	4,945	2,121	43	923	19	1,733	35
Texas	18,681	5,888	32	2,711	15	4,263	23
Utah	2,036	784	39	406	20	558	27
Vermont	512	316	62	134	26	273	53
Virginia	6,136	2,580	42	842	14	2,212	36
Washington	5,293	2,311	44	968	18	1,932	37
West Virginia	1,464	868	59	322	22	751	51
Wisconsin	4,460	2,499	56	1,198	27	2,152	48
Wyoming	424	250	59	145	34	182	43

(NA) Not available.

Note: Detail does not add to total because of multiple responses. U.S. totals include responses from participants residing in the District of Columbia, as described in Appendix D.

Table 47. Participation in Wildlife-Related Recreation in Each State by Both Residents and Nonresidents of the State: 2011

(Population 16 years old and older. Numbers in thousands)

State where activity took place	Total participants		Sportspersons		Wildlife-watching participants	
	Number	Percent	Number	Percent	Number	Percent
United States, total	90,108	100	37,397	42	71,776	80
Alabama	1,732	100	948	55	1,114	64
Alaska	1,014	100	563	55	640	63
Arizona	2,136	100	786	37	1,566	73
Arkansas	1,323	100	696	53	852	64
California	7,849	100	1,820	23	6,733	86
Colorado	2,315	100	919	40	1,782	77
Connecticut	1,361	100	350	26	1,178	87
Delaware	344	100	177	52	243	71
Florida	6,354	100	3,152	50	4,308	68
Georgia	3,058	100	1,059	35	2,393	78
Hawaii	465	100	158	34	358	77
Idaho	838	100	534	64	558	67
Illinois	3,799	100	1,309	34	3,019	79
Indiana	2,308	100	867	38	1,719	74
Iowa	1,255	100	598	48	837	67
Kansas	1,156	100	527	46	792	69
Kentucky	1,710	100	713	42	1,319	77
Louisiana	1,709	100	904	53	1,010	59
Maine	1,117	100	413	37	838	75
Maryland	1,613	100	445	28	1,362	84
Massachusetts	2,199	100	538	24	1,828	83
Michigan	4,397	100	1,938	44	3,199	73
Minnesota	2,518	100	1,649	65	1,577	63
Mississippi	1,350	100	782	58	781	58
Missouri	2,494	100	1,277	51	1,716	69
Montana	570	100	335	59	402	71
Nebraska	558	100	289	52	384	69
Nevada	734	100	163	22	643	88
New Hampshire	786	100	247	31	630	80
New Jersey	2,438	100	794	33	1,875	77
New Mexico	783	100	304	39	566	72
New York	5,536	100	2,109	38	4,239	77
North Carolina	3,497	100	1,631	47	2,432	70
North Dakota	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Ohio	4,344	100	1,561	36	3,197	74
Oklahoma	1,727	100	779	45	1,263	73
Oregon	1,786	100	703	39	1,440	81
Pennsylvania	4,564	100	1,424	31	3,598	79
Rhode Island	402	100	179	45	308	77
South Carolina	1,729	100	847	49	1,103	64
South Dakota	662	100	430	65	384	58
Tennessee	2,584	100	994	38	1,955	76
Texas	6,305	100	2,713	43	4,376	69
Utah	1,015	100	493	49	717	71
Vermont	512	100	254	50	370	72
Virginia	3,269	100	1,068	33	2,509	77
Washington	2,756	100	1,005	36	2,168	79
West Virginia	1,176	100	447	38	850	72
Wisconsin	3,500	100	1,554	44	2,359	67
Wyoming	775	100	390	50	518	67

* Estimate based on a sample size of 10–29. (NA) Not available.

Note: Detail does not add to total because of multiple responses. U.S. totals include responses from participants residing in the District of Columbia, as described in Appendix D.