

Table 1. Anglers and Hunters 16 Years Old and Older, Days of Participation, and Trips by Type of Fishing and Hunting: 2016

(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						
FISHING						
Total, all fishing						
Total, all freshwater						
Freshwater, except Great Lakes						
Great Lakes						
Saltwater						
HUNTING						
Total, all hunting						
Big game						
Small game						
Migratory bird						
Other animals						

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

Table 2. Anglers, Trips, and Days of Fishing by Type of Fishing: 2016

(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.										
In state of residence										
In other states										
TRIPS										
Total in U.S.										
In state of residence										
In other states										
DAYS OF FISHING										
Total in U.S.										
In state of residence										
In other states										
Average days per angler										

(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: 2016

(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					
Black bass (largemouth, smallmouth, etc.)					
White bass, striped bass and striped bass hybrids					
Panfish					
Crappie					
Catfish and bullheads					
Walleye					
Sauger					
Northern pike, pickerel, muskie, muskie hybrids					
Trout					
Salmon					
Steelhead					
Anything ¹					
Another type of freshwater fish					

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

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

Table 4. Great Lakes Anglers and Days of Fishing by Type of Fish: 2016

(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					
Black bass (largemouth, smallmouth, etc.)					
Walleye, sauger					
Northern pike, pickerel, muskie, muskie hybrids					
Perch					
Salmon					
Steelhead					
Lake trout					
Other trout					
Anything ¹					
Another type of Great Lakes fish					

* 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 does not add to total because of multiple responses.

Table 5. Saltwater Anglers and Days of Fishing by Type of Fish: 2016

(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.....					
Salmon					
Striped bass.....					
Flatfish (flounder, halibut)					
Bluefish					
Red drum (redfish).....					
Sea trout (weakfish).....					
Mackerel					
Shellfish					
Anything ¹					
Another type of saltwater fish					

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

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

Table 6. Hunters, Trips, and Days of Hunting by Type of Hunting: 2016

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

Hunters, trips, and days of hunting	Total, all hunting		Big game		Small game		Migratory bird		Other animals	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
HUNTERS										
Total in U.S.										
In state of residence.....										
In other states.....										
TRIPS										
Total in U.S.										
In state of residence.....										
In other states.....										
DAYS OF HUNTING										
Total in U.S.										
In state of residence.....										
In other states.....										
Average days per hunter										

(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: 2016

(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					
Deer					
Elk					
Bear					
Wild turkey					
Other big game					
Total, all small game					
Rabbit, hare					
Quail					
Grouse/prairie chicken					
Squirrel					
Pheasant					
Other small game					
Total, all migratory birds					
Waterfowl (geese and/or ducks)					
Geese					
Ducks					
Doves					
Other migratory bird					
Total, all other animals (fox, raccoon, groundhog, etc.)					

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

Table 8. Selected Characteristics of Anglers and Hunters: 2016

(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								
Population Density of Residence								
Urban								
Rural								
Population Size of Residence								
Metropolitan statistical area (MSA) . . .								
1,000,000 or more								
250,000 to 999,999								
Less than								
Outside MSA								
Census Geographic Division								
New England								
Middle Atlantic								
East North Central								
West North Central								
South Atlantic								
East South Central								
West South Central								
Mountain								
Pacific								
Age								
16 to 17 years								
18 to 24 years								
25 to 34 years								
35 to 44 years								
45 to 54 years								
55 to 64 years								
65 years and older								
Sex								
Male, total								
16 to 17 years								
18 to 24 years								
25 to 34 years								
35 to 44 years								
45 to 54 years								
55 to 64 years								
65 years and older								
Female, total								
16 to 17 years								
18 to 24 years								
25 to 34 years								
35 to 44 years								
45 to 54 years								
55 to 64 years								
65 years and older								
Ethnicity								
Hispanic								
Non-Hispanic								
Race								
White								
Black								
Asian								
All others								
Annual Household Income								
Less than \$10,000								
\$10,000 to \$19,999								
\$20,000 to \$24,999								
\$25,000 to \$29,999								
\$30,000 to \$34,999								
\$35,000 to \$39,999								
\$40,000 to \$49,999								
\$50,000 to \$74,999								
\$75,000 to \$99,999								
\$100,000 or more								
Not reported								
Education								
11 years or less								
12 years								
1 to 3 years college								
4 years college								
5 years or more college								

See footnotes at end of table.

Table 8. Selected Characteristics of Anglers and Hunters: 2016—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						
Population Density of Residence						
Urban						
Rural						
Population Size of Residence						
Metropolitan statistical area (MSA) ...						
1,000,000 or more						
250,000 to 999,999						
Less than 249,999						
Outside MSA						
Census Geographic Division						
New England						
Middle Atlantic						
East North Central						
West North Central						
South Atlantic						
East South Central						
West South Central						
Mountain						
Pacific						
Age						
16 to 17 years						
18 to 24 years						
25 to 34 years						
35 to 44 years						
45 to 54 years						
55 to 64 years						
65 years and older						
Sex						
Male, total						
16 to 17 years						
18 to 24 years						
25 to 34 years						
35 to 44 years						
45 to 54 years						
55 to 64 years						
65 years and older						
Female, total						
16 to 17 years						
18 to 24 years						
25 to 34 years						
35 to 44 years						
45 to 54 years						
55 to 64 years						
65 years and older						
Ethnicity						
Hispanic						
Non-Hispanic						
Race						
White						
Black						
Asian						
All others						
Annual Household Income						
Less than \$10,000						
\$10,000 to \$19,999						
\$20,000 to \$24,999						
\$25,000 to \$29,999						
\$30,000 to \$34,999						
\$35,000 to \$39,999						
\$40,000 to \$49,999						
\$50,000 to \$74,999						
\$75,000 to \$99,999						
\$100,000 or more						
Not reported						
Education						
11 years or less						
12 years						
1 to 3 years college						
4 years college						
5 years or more college						

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

Note: Percent who participated shows 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 9. Selected Characteristics of Anglers by Type of Fishing: 2016

(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								
Population Density of Residence								
Urban								
Rural								
Population Size of Residence								
Metropolitan statistical area (MSA) . . .								
1,000,000 or more								
250,000 to 999,999								
Less than 249,999								
Outside MSA								
Census Geographic Division								
New England								
Middle Atlantic								
East North Central								
West North Central								
South Atlantic								
East South Central								
West South Central								
Mountain								
Pacific								
Age								
16 to 17 years								
18 to 24 years								
25 to 34 years								
35 to 44 years								
45 to 54 years								
55 to 64 years								
65 years and older								
Sex								
Male								
Female								
Ethnicity								
Hispanic								
Non-Hispanic								
Race								
White								
Black								
Asian								
All others								
Annual Household Income								
Less than \$10,000								
\$10,000 to \$19,999								
\$20,000 to \$24,999								
\$25,000 to \$29,999								
\$30,000 to \$34,999								
\$35,000 to \$39,999								
\$40,000 to \$49,999								
\$50,000 to \$74,999								
\$75,000 to \$99,999								
\$100,000 or more								
Not reported								
Education								
11 years or less								
12 years								
1 to 3 years college								
4 years college								
5 years or more college								

See footnotes at end of table.

Table 9. Selected Characteristics of Anglers by Type of Fishing: 2016—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									
Population Density of Residence									
Urban									
Rural									
Population Size of Residence									
Metropolitan statistical area (MSA) ...									
1,000,000 or more									
250,000 to 999,999									
Less than 249,999									
Outside MSA									
Census Geographic Division									
New England									
Middle Atlantic									
East North Central									
West North Central									
South Atlantic									
East South Central									
West South Central									
Mountain									
Pacific									
Age									
16 to 17 years									
18 to 24 years									
25 to 34 years									
35 to 44 years									
45 to 54 years									
55 to 64 years									
65 years and older									
Sex									
Male									
Female									
Ethnicity									
Hispanic									
Non-Hispanic									
Race									
White									
Black									
Asian									
All others									
Annual Household Income									
Less than \$10,000									
\$10,000 to \$19,999									
\$20,000 to \$24,999									
\$25,000 to \$29,999									
\$30,000 to \$34,999									
\$35,000 to \$39,999									
\$40,000 to \$49,999									
\$50,000 to \$74,999									
\$75,000 to \$99,999									
\$100,000 or more									
Not reported									
Education									
11 years or less									
12 years									
1 to 3 years college									
4 years college									
5 years or more college									

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

Note: Percent who participated shows the percent of each row's population who participated in the activity named by the column (the percent of those living in urban areas who fished in the Great Lakes, etc.). Percent columns show the percent of each column's participants who are described by the row heading (the percent of those Great Lakes anglers who lived in urban areas, etc.).

Table 10. Selected Characteristics of Hunters by Type of Hunting: 2016

(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								
Population Density of Residence								
Urban								
Rural								
Population Size of Residence								
Metropolitan statistical area (MSA) . . .								
1,000,000 or more								
250,000 to 999,999								
Less than 249,999								
Outside MSA								
Census Geographic Division								
New England								
Middle Atlantic								
East North Central								
West North Central								
South Atlantic								
East South Central								
West South Central								
Mountain								
Pacific								
Age								
16 to 17 years								
18 to 24 years								
25 to 34 years								
35 to 44 years								
45 to 54 years								
55 to 64 years								
65 years and older								
Sex								
Male								
Female								
Ethnicity								
Hispanic								
Non-Hispanic								
Race								
White								
Black								
Asian								
All others								
Annual Household Income								
Less than \$10,000								
\$10,000 to \$19,999								
\$20,000 to \$24,999								
\$25,000 to \$29,999								
\$30,000 to \$34,999								
\$35,000 to \$39,999								
\$40,000 to \$49,999								
\$50,000 to \$74,999								
\$75,000 to \$99,999								
\$100,000 or more								
Not reported								
Education								
11 years or less								
12 years								
1 to 3 years college								
4 years college								
5 years or more college								

See footnotes at end of table.

Table 10. Selected Characteristics of Hunters by Type of Hunting: 2016—Continued

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

Characteristic	Small game			Migratory bird			Other animals		
	Number	Percent who participated	Percent	Number	Percent who participated	Percent	Number	Percent who participated	Percent
Total persons									
Population Density of Residence									
Urban									
Rural									
Population Size of Residence									
Metropolitan statistical area (MSA) . . .									
1,000,000 or more									
250,000 to 999,999									
Less than 249,999									
Outside MSA									
Census Geographic Division									
New England									
Middle Atlantic									
East North Central									
West North Central									
South Atlantic									
East South Central									
West South Central									
Mountain									
Pacific									
Age									
16 to 17 years									
18 to 24 years									
25 to 34 years									
35 to 44 years									
45 to 54 years									
55 to 64 years									
65 years and older									
Sex									
Male									
Female									
Ethnicity									
Hispanic									
Non-Hispanic									
Race									
White									
Black									
Asian									
All others									
Annual Household Income									
Less than \$10,000									
\$10,000 to \$19,999									
\$20,000 to \$24,999									
\$25,000 to \$29,999									
\$30,000 to \$34,999									
\$35,000 to \$39,999									
\$40,000 to \$49,999									
\$50,000 to \$74,999									
\$75,000 to \$99,999									
\$100,000 or more									
Not reported									
Education									
11 years or less									
12 years									
1 to 3 years college									
4 years college									
5 years or more college									

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

Note: Percent who participated shows the percent of each row's population who participated in the activity named by the column (the percent of those living in urban areas who hunted big game, etc.). Percent columns show the percent of each column's participants who are described by the row heading (the percent of big game hunters who lived in urban areas, etc.).

Table 11. Summary of Expenditures for Fishing and Hunting: 2016

(Population 16 years old and older)

Expenditure item	Expenditures		Spenders		
	Amount (thousands of dollars)	Average per sportsperson (dollars)	Number (thousands)	Percent of sportspersons	Average per spender (dollars)
Total, all items					
TRIP-RELATED EXPENDITURES					
Total trip-related					
Food and lodging, total					
Food					
Lodging.....					
Transportation, total					
Public					
Private.....					
Other trip costs¹					
EQUIPMENT EXPENDITURES					
Fishing equipment					
Hunting equipment					
Auxiliary equipment ²					
Special equipment ³					
OTHER EXPENDITURES					
Books, magazines					
Membership dues and contributions					
Land leasing and ownership.....					
Licenses, stamps, tags, and permits.....					

¹ 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.

² Auxiliary equipment includes camping equipment, binoculars, special fishing and hunting clothing, etc.

³ Special equipment includes boats, campers, cabins, trail bikes, etc.

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: 2016

(Population 16 years old and older)

Expenditure item	Expenditures		Spenders		
	Amount (thousands of dollars)	Average per angler (dollars)	Number (thousands)	Percent of anglers	Average per spender (dollars)
Total, all items					
TRIP-RELATED EXPENDITURES					
Total trip-related					
Food and lodging, total					
Food					
Lodging					
Transportation, total					
Public					
Private					
Other trip costs, total					
Guide fees, pack trip or package fees					
Public land use fees					
Private land use fees					
Equipment rental					
Boating costs ¹					
Bait					
Ice					
Heating and cooking fuel					
EQUIPMENT EXPENDITURES					
Fishing equipment, total					
Rods, reels, poles, and rodmaking components					
Lines and leaders					
Artificial lures, flies, baits, and dressing for flies or lines					
Hooks, sinkers, swivels, and other items attached to a line, except lures and baits					
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					
Auxiliary equipment, total					
Camping equipment					
Binoculars, field glasses, telescopes, etc.					
Special fishing clothing, rubber boots, waders, and foul weather gear					
Processing and taxidermy costs					
Other					
Special equipment²					
OTHER EXPENDITURES					
Magazines, books					
Membership dues and contributions					
Land leasing and ownership					
Licenses, stamps, tags, and permits, total					
Licenses					
Stamps, tags, and permits					

¹ Boating costs include launching, mooring, storage, maintenance, insurance, pumpout fees, and fuel.

² Special equipment includes boats, campers, cabins, trail bikes, etc.

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: 2016

(Population 16 years old and older)

Expenditure item	Expenditures		Spenders		
	Amount (thousands of dollars)	Average per angler (dollars)	Number (thousands)	Percent of anglers	Average per spender (dollars)
Total, all items					
TRIP-RELATED EXPENDITURES					
Total trip-related					
Food and lodging, total					
Food					
Lodging					
Transportation, total					
Public					
Private					
Other trip costs, total					
Guide fees, pack trip or package fees					
Public land use fees					
Private land use fees					
Equipment rental					
Boating costs ¹					
Bait					
Ice					
Heating and cooking fuel					
EQUIPMENT EXPENDITURES					
Fishing equipment, total					
Rods, reels, poles, and rodmaking components					
Lines and leaders					
Artificial lures, flies, baits, and dressing for flies or lines					
Hooks, sinkers, swivels, and other items attached to a line, except lures and baits					
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					
Auxiliary equipment, total					
Camping equipment					
Binoculars, field glasses, telescopes, etc.					
Special fishing clothing, rubber boots, waders, and foul weather gear					
Processing and taxidermy costs					
Other					
Special equipment²					

¹ Boating costs include launching, mooring, storage, maintenance, insurance, pumpout fees, and fuel.

² Special equipment includes boats, campers, cabins, trail bikes, etc.

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

Table 14. Trip and Equipment Expenditures for Freshwater Fishing, Except Great Lakes: 2016

(Population 16 years old and over)

Expenditure item	Expenditures		Spenders		
	Amount (thousands of dollars)	Average per angler (dollars)	Number (thousands)	Percent of anglers	Average per spender (dollars)
Total, all items					
TRIP-RELATED EXPENDITURES					
Total trip-related					
Food and lodging, total					
Food					
Lodging					
Transportation, total					
Public					
Private					
Other trip costs, total					
Guide fees, pack trip or package fees					
Public land use fees					
Private land use fees					
Equipment rental					
Boating costs ¹					
Bait					
Ice					
Heating and cooking fuel					
EQUIPMENT EXPENDITURES					
Fishing equipment, total					
Rods, reels, poles, and rodmaking components					
Lines and leaders					
Artificial lures, flies, baits, and dressing for flies or lines					
Hooks, sinkers, swivels, and other items attached to a line, except lures and baits					
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					
Auxiliary equipment, total					
Camping equipment					
Binoculars, field glasses, telescopes, etc.					
Special fishing clothing, rubber boots, waders, and foul weather gear					
Processing and taxidermy costs					
Other					
Special equipment²					

¹ Boating costs include launching, mooring, storage, maintenance, insurance, pumpout fees, and fuel.

² Special equipment includes boats, campers, cabins, trail bikes, etc.

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

Table 15. Trip and Equipment Expenditures for Great Lakes Fishing: 2016

(Population 16 years old and older)

Expenditure item	Expenditures		Spenders		
	Amount (thousands of dollars)	Average per angler (dollars)	Number (thousands)	Percent of anglers	Average per spender (dollars)
Total, all items					
TRIP-RELATED EXPENDITURES					
Total trip-related					
Food and lodging, total					
Food					
Lodging					
Transportation, total					
Public					
Private					
Other trip costs, total					
Guide fees, pack trip or package fees					
Public land use fees					
Private land use fees					
Equipment rental					
Boating costs ¹					
Bait					
Ice					
Heating and cooking fuel					
EQUIPMENT EXPENDITURES					
Fishing equipment, total					
Rods, reels, poles, and rodmaking components					
Lines and leaders					
Artificial lures, flies, baits, and dressing for flies or lines					
Hooks, sinkers, swivels, and other items attached to a line, except lures and baits					
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					
Auxiliary equipment, total					
Camping equipment					
Binoculars, field glasses, telescopes, etc.					
Special fishing clothing, rubber boots, waders, and foul weather gear					
Processing and taxidermy costs					
Other					
Special equipment²					

* Estimate based on a sample size of 10-29. ... Sample size too small to report data reliably.

¹ Boating costs include launching, mooring, storage, maintenance, insurance, pumpout fees, and fuel.

² Special equipment includes boats, campers, cabins, trail bikes, etc.

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

Table 16. Trip and Equipment Expenditures for Saltwater Fishing: 2016

(Population 16 years old and older)

Expenditure item	Expenditures		Spenders		
	Amount (thousands of dollars)	Average per angler (dollars)	Number (thousands)	Percent of anglers	Average per spender (dollars)
Total, all items					
TRIP-RELATED EXPENDITURES					
Total trip-related					
Food and lodging, total					
Food					
Lodging					
Transportation, total					
Public					
Private					
Other trip costs, total					
Guide fees, pack trip or package fees					
Public land use fees					
Private land use fees					
Equipment rental					
Boating costs ¹					
Bait					
Ice					
Heating and cooking fuel					
EQUIPMENT EXPENDITURES					
Fishing equipment, total					
Rods, reels, poles, and rodmaking components					
Lines and leaders					
Artificial lures, flies, baits, and dressing for flies or lines					
Hooks, sinkers, swivels, and other items attached to a line, except lures and baits					
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					
Other fishing equipment					
Auxiliary equipment, total					
Camping equipment					
Binoculars, field glasses, telescopes, etc.					
Special fishing clothing, rubber boots, waders, and foul weather gear					
Processing and taxidermy costs					
Other					
Special equipment²					

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

¹ Boating costs include launching, mooring, storage, maintenance, insurance, pumpout fees, and fuel.

² Special equipment includes boats, campers, cabins, trail bikes, etc.

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

Table 17. Expenditures for Hunting: 2016

(Population 16 years old and older)

Expenditure item	Expenditures		Spenders		
	Amount (thousands of dollars)	Average per hunter (dollars)	Number (thousands)	Percent of hunters	Average per spender (dollars)
Total, all items					
TRIP-RELATED EXPENDITURES					
Total trip-related					
Food and lodging, total					
Food					
Lodging					
Transportation, total					
Public					
Private					
Other trip costs, total					
Guide fees, pack trip or package fees					
Public land use fees					
Private land use fees					
Equipment rental					
Boating costs ¹					
Heating and cooking fuel					
EQUIPMENT EXPENDITURES					
Hunting equipment, total					
Guns and rifles					
Rifles					
Shotguns					
Muzzleloaders, primitive firearms					
Pistols, handguns					
Bows, arrows, archery equipment					
Telescopic sights					
Decoys and game calls					
Ammunition					
Hand loading equipment					
Hunting dogs and associated costs					
Other					
Auxiliary equipment, total					
Camping equipment					
Binoculars, field glasses, telescopes, etc.					
Special hunting clothing, rubber boots, waders, and foul weather gear					
Processing and taxidermy costs					
Other					
Special equipment²					
OTHER EXPENDITURES					
Magazines, books					
Membership dues and contributions					
Land leasing and ownership					
Licenses, stamps, tags, and permits, total					
Licenses					
Federal duck stamps					
Other stamps, tags, and permits					

¹ Boating costs include launching, mooring, storage, maintenance, insurance, pumpout fees, and fuel.

² Special equipment includes boats, campers, cabins, trail bikes, etc.

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: 2016

(Population 16 years old and older)

Expenditure item	Expenditures		Spenders		
	Amount (thousands of dollars)	Average per hunter (dollars)	Number (thousands)	Percent of hunters	Average per spender (dollars)
Total, all items					
TRIP-RELATED EXPENDITURES					
Total trip-related					
Food and lodging, total					
Food					
Lodging					
Transportation, total					
Public					
Private					
Other trip costs, total					
Guide fees, pack trip or package fees					
Public land use fees					
Private land use fees					
Equipment rental					
Boating costs ¹					
Heating and cooking fuel					
EQUIPMENT EXPENDITURES					
Hunting equipment, total					
Firearms					
Rifles					
Shotguns					
Muzzleloaders					
Pistols, handguns					
Bows, arrows, archery equipment					
Telescopic sights					
Decoys and game calls					
Ammunition					
Hand loading equipment					
Hunting dogs and associated costs					
Other					
Auxiliary equipment, total					
Camping equipment					
Binoculars, field glasses, telescopes, etc.					
Special hunting clothing, rubber boots, waders, and foul weather gear					
Processing and taxidermy costs					
Other					
Special equipment²					

¹ Boating costs include launching, mooring, storage, maintenance, insurance, pumpout fees, and fuel.

² Special equipment includes boats, campers, cabins, trail bikes, etc.

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

Table 19. Trip and Equipment Expenditures for Small Game Hunting: 2016

(Population 16 years old and older)

Expenditure item	Expenditures		Spenders		
	Amount (thousands of dollars)	Average per hunter (dollars)	Number (thousands)	Percent of hunters	Average per spender (dollars)
Total, all items					
TRIP-RELATED EXPENDITURES					
Total trip-related					
Food and lodging, total					
Food					
Lodging					
Transportation, total					
Public					
Private					
Other trip costs, total					
Guide fees, pack trip or package fees					
Public land use fees					
Private land use fees					
Equipment rental					
Boating costs ¹					
Heating and cooking fuel					
EQUIPMENT EXPENDITURES					
Hunting equipment, total					
Firearms					
Rifles					
Shotguns					
Muzzleloaders					
Pistols, handguns					
Bows, arrows, archery equipment					
Telescopic sights					
Decoys and game calls					
Ammunition					
Hand loading equipment					
Hunting dogs and associated costs					
Other					
Auxiliary equipment, total					
Camping equipment					
Binoculars, field glasses, telescopes, etc.					
Special hunting clothing, rubber boots, waders, and foul weather gear					
Processing and taxidermy costs					
Other					
Special equipment²					

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

¹ Boating costs include launching, mooring, storage, maintenance, insurance, pumpout fees, and fuel.

² Special equipment includes boats, campers, cabins, trail bikes, etc.

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

Table 20. Trip and Equipment Expenditures for Migratory Bird Hunting: 2016

(Population 16 years old and older)

Expenditure item	Expenditures		Spenders		
	Amount (thousands of dollars)	Average per hunter (dollars)	Number (thousands)	Percent of hunters	Average per spender (dollars)
Total, all items					
TRIP-RELATED EXPENDITURES					
Total trip-related					
Food and lodging, total					
Food					
Lodging					
Transportation, total					
Public					
Private					
Other trip costs, total					
Guide fees, pack trip or package fees					
Public land use fees					
Private land use fees					
Equipment rental					
Boating costs ¹					
Heating and cooking fuel					
EQUIPMENT EXPENDITURES					
Hunting equipment, total					
Firearms					
Rifles					
Shotguns					
Muzzleloaders					
Pistols, handguns					
Bows, arrows, archery equipment					
Telescopic sights					
Decoys and game calls					
Ammunition					
Hand loading equipment					
Hunting dogs and associated costs					
Other					
Auxiliary equipment, total					
Camping equipment					
Binoculars, field glasses, telescopes, etc.					
Special hunting clothing, rubber boots, waders, and foul weather gear					
Processing and taxidermy costs					
Other					
Special equipment²					

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

¹ Boating costs include launching, mooring, storage, maintenance, insurance, pumpout fees, and fuel.

² Special equipment includes boats, campers, cabins, trail bikes, etc.

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

Table 21. Trip and Equipment Expenditures for Hunting Other Animals: 2016

(Population 16 years old and older)

Expenditure item	Expenditures		Spenders		
	Amount (thousands of dollars)	Average per hunter (dollars)	Number (thousands)	Percent of hunters	Average per spender (dollars)
Total, all items					
TRIP-RELATED EXPENDITURES					
Total trip-related					
Food and lodging, total					
Food					
Lodging					
Transportation, total					
Public					
Private					
Other trip costs, total					
Guide fees, pack trip or package fees					
Public land use fees					
Private land use fees					
Equipment rental					
Boating costs ¹					
Heating and cooking fuel					
EQUIPMENT EXPENDITURES					
Hunting equipment, total					
Firearms					
Rifles					
Shotguns					
Muzzleloaders					
Pistols, handguns					
Bows, arrows, archery equipment					
Telescopic sights					
Decoys and game calls					
Ammunition					
Hand loading equipment					
Hunting dogs and associated costs					
Other					
Auxiliary equipment, total					
Camping equipment					
Binoculars, field glasses, telescopes, etc.					
Special hunting clothing, rubber boots, waders, and foul weather gear					
Processing and taxidermy costs					
Other					
Special equipment²					

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

¹ Boating costs include launching, mooring, storage, maintenance, insurance, pumpout fees, and fuel.

² Special equipment includes boats, campers, cabins, trail bikes, etc.

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

Table 22. Special Equipment Expenditures for Fishing and Hunting: 2016

(Population 16 years old and older)

Special equipment item	Expenditures		Spenders		
	Amount (thousands of dollars)	Average per sportsperson (dollars)	Number (thousands)	Percent of sportspersons	Average per spender (dollars)
Total, all items					
Motorboat (other than bass boat)					
Bass boat					
Canoe, other non-motorboat					
Boat motor, trailer or hitch, and other boat accessories					
Travel or tent trailer, pickup, camper, van, motor home, recreational vehicle (RV), house trailer					
Cabin					
Trail bike, dune buggy, 4x4 vehicle, 4-wheeler, snowmobile ..					
Other					

* 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 23. Anglers and Hunters Who Purchased Licenses or Were Exempt: 2016

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

Sportspersons	Anglers		Hunters	
	Number	Percent	Number	Percent
Total sportspersons				
Total license purchasers ¹				
Sportspersons purchasing licenses:				
In state of residence				
In other states				
Total exempt from purchasing licenses				
Sportspersons exempt from license purchase:				
In state of residence				
In other states				
Other ²				
Not reported				

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: 2016

(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												
Population Density of Residence												
Urban												
Rural												
Population Size of Residence												
Metropolitan statistical area (MSA) ...												
1,000,000 or more												
250,000 to 999,999												
Less than 249,999												
Outside MSA												
Census Geographic Division												
New England												
Middle Atlantic												
East North Central												
West North Central												
South Atlantic												
East South Central												
West South Central												
Mountain												
Pacific												
Age												
16 to 17 years												
18 to 24 years												
25 to 34 years												
35 to 44 years												
45 to 54 years												
55 to 64 years												
65 years and older												
Sex												
Male												
Female												
Ethnicity												
Hispanic												
Non-Hispanic												
Race												
White												
Black												
Asian												
All others												
Annual Household Income												
Less than \$10,000												
\$10,000 to \$19,999												
\$20,000 to \$24,999												
\$25,000 to \$29,999												
\$30,000 to \$34,999												
\$35,999 to \$39,999												
\$40,000 to \$49,999												
\$50,000 to \$74,999												
\$75,000 to \$99,999												
\$100,000 or more												
Not reported												
Education												
11 years or less												
12 years												
1 to 3 years college												
4 years college												
5 or more years college												
Days of Participation												
1 to 5 days												
6 to 10 days												
11 to 25 days												
26 days or more												

* Estimate based on a sample size of 10–29. ... Sample size too small 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: 2016

(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				
Lakes, reservoirs, and ponds.....				
Rivers and streams.....				

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: 2016

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

Great Lake	Anglers		Days of fishing	
	Number	Percent	Number	Percent
Total, all Great Lakes				
Lake Ontario, including the Niagara River.....				
Lake Erie, including the Detroit River.....				
Lake Huron, including St. Mary's River System.....				
Lake Michigan.....				
Lake Superior.....				
Lake St. Clair, including the St. Clair River.....				
St. Lawrence River.....				
Tributaries to the Great Lakes.....				

* Estimate based on a sample size of 10-29. ... Sample size too small 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: 2016

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

Hunters and days of hunting	Total, all hunting		Big game		Small game		Migratory bird		Other animals	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
HUNTERS										
Total, all land										
Public land, total										
Public land only.....										
Public and private land.....										
Private land, total										
Private land only.....										
Private and public land.....										
DAYS OF HUNTING										
Total, all land										
Public land ¹										
Private land ²										

¹ Days of hunting on public land includes both days spent solely on public land and those spent on public and private 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: 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: 2016

(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								
Population Density of Residence								
Urban								
Rural								
Population Size of Residence								
Metropolitan statistical area (MSA) ...								
1,000,000 or more								
250,000 to 999,999								
Less than 249,999								
Outside MSA								
Census Geographic Division								
New England								
Middle Atlantic								
East North Central								
West North Central								
South Atlantic								
East South Central								
West South Central								
Mountain								
Pacific								
Age								
16 to 17 years								
18 to 24 years								
25 to 34 years								
35 to 44 years								
45 to 54 years								
55 to 64 years								
65 years and older								
Sex								
Male								
Female								
Ethnicity								
Hispanic								
Non-Hispanic								
Race								
White								
Black								
Asian								
All others								
Annual Household Income								
Less than \$10,000								
\$10,000 to \$19,999								
\$20,000 to \$24,999								
\$25,000 to \$29,999								
\$30,000 to \$34,999								
\$35,000 to \$39,999								
\$40,000 to \$49,999								
\$50,000 to \$74,999								
\$75,000 to \$99,999								
\$100,000 or more								
Not reported								
Education								
11 years or less								
12 years								
1 to 3 years college								
4 years college								
5 or more years college								

* Estimate based on a sample size of 10–29. (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 number of hunters on public land and total number of days on public land, respectively.

Table 29. Hunters and Days of Hunting on Private Land by Selected Characteristic: 2016

(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
Total persons						
Population Density of Residence						
Urban						
Rural						
Population Size of Residence						
Metropolitan statistical area (MSA)						
1,000,000 or more						
250,000 to 999,999						
Less than 249,999						
Outside MSA						
Census Geographic Division						
New England						
Middle Atlantic						
East North Central						
West North Central						
South Atlantic						
East South Central						
West South Central						
Mountain						
Pacific						
Age						
16 to 17 years						
18 to 24 years						
25 to 34 years						
35 to 44 years						
45 to 54 years						
55 to 64 years						
65 years and older						
Sex						
Male						
Female						
Ethnicity						
Hispanic						
Non-Hispanic						
Race						
White						
Black						
Asian						
All others						
Annual Household Income						
Less than \$10,000						
\$10,000 to \$19,999						
\$20,000 to \$24,999						
\$25,000 to \$29,999						
\$30,000 to \$34,999						
\$35,000 to \$39,999						
\$40,000 to \$49,999						
\$50,000 to \$74,999						
\$75,000 to \$99,999						
\$100,000 or more						
Not reported						
Education						
11 years or less						
12 years						
1 to 3 years college						
4 years college						
5 or more years college						

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

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 number of hunters on private land and total number of days on private land, respectively.

Table 30. Anglers Fishing From Boats and Days of Participation by Type of Fishing: 2016

(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								
Anglers fishing from boats.....								
Total days of fishing								
Days fishing from boats.....								

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

Table 31. Participation in Ice Fishing and Fly-Fishing: 2016

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

Anglers and days	Number	Percent
Total anglers		
Ice anglers		
Fly-anglers.....		
Total days of fishing		
Days of ice fishing		
Days of fly-fishing		

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

Table 32. Hunters Using Bows and Arrows, Muzzleloaders, or Other Firearms: 2016

Hunters	Number	Percent
Total hunters		
Hunters using bow and arrow.....		
Hunters using muzzleloader		
Hunters using other firearm (e.g., shotgun, rifle)		
Total days of hunting		
With bow and arrow		
With muzzleloader		
With other firearm (e.g., shotgun, rifle).....		

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

Table 33. Hunters Preparing for Hunting by Target Shooting: 2016

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

Hunters	Total	
	Number	Percent
Total hunters		
Target shooting in preparation for hunting		
Used shooting ranges		
With muzzleloader		
With handgun		
With other firearm (e.g., shotgun, rifle)		
With airgun		
With bow and arrow		
With crossbow		

* 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: 2016

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

Fishing and hunting	Number	Percent
LAND OWNERSHIP		
Sportspersons Owning Land		
Total sportspersons		
Anglers		
Hunters		
Acres Owned		
Total acres owned		
Acres for fishing		
Acres for hunting		
Expenditures for Land Owned		
Total expenditures		
For fishing		
For hunting		
LAND LEASING		
Sportspersons Leasing Land		
Total sportspersons		
Anglers		
Hunters		
Acres Leased		
Total acres leased		
Acres for fishing		
Acres for hunting		
Expenditures for Land Leased		
Total expenditures		
For fishing		
For hunting		

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

Table 35. Wildlife-Watching Participants by Type of Activity: 2016

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

Activity	Number	Percent	Activity	Number	Percent
Total participants			Around the home		
Away from home			Observe wildlife		
Observe wildlife			Photograph wildlife		
Photograph wildlife			Feed wildlife		
Feed wildlife			Visit public parks or areas ¹		
			Maintain plantings or natural areas ..		

¹ Includes visits only to parks or publicly held 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: 2016

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

Participants, area visited, trips, and days of participation	Number	Percent
PARTICIPANTS		
Total participants		
Observe wildlife		
Photograph wildlife		
Feed wildlife		
AREA VISITED		
Total, all areas		
Public only		
Private only		
Public and private		
Not reported		
TRIPS		
Total trips		
Average days per trip		
DAYS		
Total days		
Observing wildlife		
Photographing wildlife		
Feeding wildlife		
Average days per participant		
Observing wildlife		
Photographing wildlife		
Feeding wildlife		

(X) Not applicable.

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

Table 37. Participation in Wildlife-Watching Activities Around the Home: 2016

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

Activity	Number	Percent	Activity	Number	Percent
Total around the home			PHOTOGRAPH WILDLIFE		
Observe wildlife			Participants photographing:		
Photograph wildlife			Total, 1 day or more		
Feed wildlife			1 day		
Visit public parks or other public areas ¹			2 to 3 days		
Maintain natural areas			4 to 5 days		
Maintain plantings			6 to 10 days		
			11 to 20 days		
			21 days or more		
OBSERVE WILDLIFE			FEED WILDLIFE		
Participants observing:			Participants feeding:		
Total, all wildlife			Total, all wildlife		
Birds			Wild birds		
Land mammals, all			Other wildlife		
Large mammals					
Small mammals			MAINTAIN NATURAL AREAS		
Amphibians or reptiles			Participants maintaining:		
Insects or spiders			Total, all acreages		
Fish or other wildlife			1 acre or less		
Participants observing:			2 to 10 acres		
Total, 1 day or more			11 to 50 acres		
1 to 10 days			More than 50 acres		
11 to 20 days					
21 to 50 days			MAINTAIN PLANTINGS		
51 to 100 days			Participants maintaining		
101 to 200 days			plantings		
201 days or more					
VISIT PUBLIC PARKS OR AREAS¹			Participants spending:		
Participants visiting:			Less than \$25		
Total, 1 day or more			\$25 to \$75		
1 to 5 days			More than \$75		
6 to 10 days					
11 days or more			Average expenditure per		
			participant for plantings		
				

(X) Not applicable.

¹ Includes visits only to parks or publicly held areas within 1 mile of home.

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: 2016

(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									
Total birds									
Songbirds (cardinals, robins, etc.) ...									
Birds of prey (hawks, eagles, etc.) ...									
Waterfowl (ducks, geese, etc.)									
Other water birds (shorebirds, herons, cranes, etc.)									
Other birds (pheasants, turkeys, road runners, etc.)									
Total land mammals									
Large land mammals (deer, bear, etc.)									
Small land mammals (squirrel, prairie dog, etc.)									
Fish (salmon, shark, etc.)									
Marine mammals (whales, dolphins, etc.)									
Other wildlife (turtles, butterflies, etc.) ..									

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

Table 39. Wild Bird Observers and Days of Observation: 2016

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

Observers and days of observation	Number	Percent
OBSERVERS		
Total bird observers		
Around-the-home observers		
Away-from-home observers		
DAYS		
Total days observing birds		
Around the home.		
Away from home.		

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

Table 40. Expenditures for Wildlife Watching: 2016

(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)
Total, all items²				
TRIP-RELATED EXPENDITURES				
Total trip-related				
Food and lodging, total				
Food				
Lodging				
Transportation, total				
Public				
Private				
Other trip costs, total				
Guide fees, pack trip or package fees.....				
Public land use fees.....				
Private land use fees				
Equipment rental				
Boating costs ³				
Heating and cooking fuel				
EQUIPMENT AND OTHER EXPENSES				
Total				
Wildlife-watching equipment, total				
Binoculars, spotting scopes				
Cameras, video cameras, special lenses, and other photographic equipment				
Film and developing				
Bird food, total				
Commercially prepared and packaged wild bird food				
Other bulk foods used to feed wild birds				
Feed for other wildlife				
Nest boxes, bird houses, feeders, baths				
Day packs, carrying cases, and special clothing				
Other wildlife-watching equipment (such as field guides and maps)				
Auxiliary equipment, total				
Tents, tarps				
Frame packs and backpacking equipment				
Other camping equipment				
Other auxiliary equipment (such as blinds)				
Special equipment, total				
Off-the-road vehicle				
Travel or tent trailer, pickup, camper, van, motor home, house trailer, recreational vehicle (RV)				
Boats, boat accessories				
Cabins				
Other				
Magazines, books				
Land leasing and ownership				
Membership dues and contributions				
Plantings				

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

³ 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 in Wildlife-Watching Activities Away From Home: 2016

(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								
Population Density of Residence								
Urban								
Rural								
Population Size of Residence								
Metropolitan statistical area (MSA)								
1,000,000 or more								
250,000 to 999,999								
Less than 249,999								
Outside MSA								
Census Geographic Division								
New England								
Middle Atlantic								
East North Central								
West North Central								
South Atlantic								
East South Central								
West South Central								
Mountain								
Pacific								
Age								
16 to 17 years								
18 to 24 years								
25 to 34 years								
35 to 44 years								
45 to 54 years								
55 to 64 years								
65 years and older								
Sex								
Male, total								
16 to 17 years								
18 to 24 years								
25 to 34 years								
35 to 44 years								
45 to 54 years								
55 to 64 years								
65 years and older								
Female, total								
16 to 17 years								
18 to 24 years								
25 to 34 years								
35 to 44 years								
45 to 54 years								
55 to 64 years								
65 years and older								
Ethnicity								
Hispanic								
Non-Hispanic								
Race								
White								
Black								
Asian								
All others								
Annual Household Income								
Less than \$10,000								
\$10,000 to \$19,999								
\$20,000 to \$24,999								
\$25,000 to \$29,999								
\$30,000 to \$34,999								
\$35,000 to \$39,999								
\$40,000 to \$49,999								
\$50,000 to \$74,999								
\$75,000 to \$99,999								
\$100,000 or more								
Not reported								
Education								
11 years or less								
12 years								
1 to 3 years college								
4 years college								
5 or more years college								

See footnotes at end of table.

Table 41. Selected Characteristics of Participants in Wildlife-Watching Activities Away From Home: 2016—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									
Population Density of Residence									
Urban									
Rural									
Population Size of Residence									
Metropolitan statistical area (MSA)									
1,000,000 or more									
250,000 to 999,999									
Less than 249,999									
Outside MSA									
Census Geographic Division									
New England									
Middle Atlantic									
East North Central									
West North Central									
South Atlantic									
East South Central									
West South Central									
Mountain									
Pacific									
Age									
16 to 17 years									
18 to 24 years									
25 to 34 years									
35 to 44 years									
45 to 54 years									
55 to 64 years									
65 years and older									
Sex									
Male, total									
16 to 17 years									
18 to 24 years									
25 to 34 years									
35 to 44 years									
45 to 54 years									
55 to 64 years									
65 years and older									
Female, total									
16 to 17 years									
18 to 24 years									
25 to 34 years									
35 to 44 years									
45 to 54 years									
55 to 64 years									
65 years and older									
Ethnicity									
Hispanic									
Non-Hispanic									
Race									
White									
Black									
Asian									
All others									
Annual Household Income									
Less than \$10,000									
\$10,000 to \$19,999									
\$20,000 to \$24,999									
\$25,000 to \$29,999									
\$30,000 to \$34,999									
\$35,000 to \$39,999									
\$40,000 to \$49,999									
\$50,000 to \$74,999									
\$75,000 to \$99,999									
\$100,000 or more									
Not reported									
Education									
11 years or less									
12 years									
1 to 3 years college									
4 years college									
5 or more years college									

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

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 in Wildlife-Watching Activities Around the Home: 2016

(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								
Population Density of Residence								
Urban								
Rural								
Population Size of Residence								
Metropolitan statistical area (MSA)								
1,000,000 or more								
250,000 to 999,999								
Less than 249,999								
Outside MSA								
Census Geographic Division								
New England								
Middle Atlantic								
East North Central								
West North Central								
South Atlantic								
East South Central								
West South Central								
Mountain								
Pacific								
Age								
16 to 17 years								
18 to 24 years								
25 to 34 years								
35 to 44 years								
45 to 54 years								
55 to 64 years								
65 years and older								
Sex								
Male, total								
16 to 17 years								
18 to 24 years								
25 to 34 years								
35 to 44 years								
45 to 54 years								
55 to 64 years								
65 years and older								
Female, total								
16 to 17 years								
18 to 24 years								
25 to 34 years								
35 to 44 years								
45 to 54 years								
55 to 64 years								
65 years and older								
Ethnicity								
Hispanic								
Non-Hispanic								
Race								
White								
Black								
Asian								
All others								
Annual Household Income								
Less than \$10,000								
\$10,000 to \$19,999								
\$20,000 to \$24,999								
\$25,000 to \$29,999								
\$30,000 to \$34,999								
\$35,000 to \$39,999								
\$40,000 to \$49,999								
\$50,000 to \$74,999								
\$75,000 to \$99,999								
\$100,000 or more								
Not reported								
Education								
11 years or less								
12 years								
1 to 3 years college								
4 years college								
5 or more years college								

See footnotes at end of table.

Table 42. **Selected Characteristics of Participants in Wildlife-Watching Activities Around the Home: 2016—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									
Population Density of Residence									
Urban									
Rural									
Population Size of Residence									
Metropolitan statistical area (MSA)									
1,000,000 or more									
250,000 to 999,999									
Less than 249,999									
Outside MSA									
Census Geographic Division									
New England									
Middle Atlantic									
East North Central									
West North Central									
South Atlantic									
East South Central									
West South Central									
Mountain									
Pacific									
Age									
16 to 17 years									
18 to 24 years									
25 to 34 years									
35 to 44 years									
45 to 54 years									
55 to 64 years									
65 years and older									
Sex									
Male, total									
16 to 17 years									
18 to 24 years									
25 to 34 years									
35 to 44 years									
45 to 54 years									
55 to 64 years									
65 years and older									
Female, total									
16 to 17 years									
18 to 24 years									
25 to 34 years									
35 to 44 years									
45 to 54 years									
55 to 64 years									
65 years and older									
Ethnicity									
Hispanic									
Non-Hispanic									
Race									
White									
Black									
Asian									
All others									
Annual Household Income									
Less than \$10,000									
\$10,000 to \$19,999									
\$20,000 to \$24,999									
\$25,000 to \$29,999									
\$30,000 to \$34,999									
\$35,000 to \$39,999									
\$40,000 to \$49,999									
\$50,000 to \$74,999									
\$75,000 to \$99,999									
\$100,000 or more									
Not reported									
Education									
11 years or less									
12 years									
1 to 3 years college									
4 years college									
5 or more years college									

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

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: 2016

(Population 16 years of age or older. Numbers in thousands)

Wildlife watching	Number	Average per person
Land Ownership for Wildlife Watching		
Participants owning land		
Acres owned		
Expenditures for owned land		
Land Leasing for Wildlife Watching		
Participants leasing land		
Acres leased		
Expenditures for leased land		

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

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

Table 44. Participation of Wildlife-Watching Participants in Fishing and Hunting: 2016

(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						
Nonsportspersons						
Sportspersons						
Anglers						
Hunters						

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

Table 45. Participation of Sportspersons in Wildlife-Watching Activities: 2016

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

Wildlife-watching activity	Sportspersons		Anglers		Hunters	
	Number	Percent	Number	Percent	Number	Percent
Total sportspersons						
Sportspersons who:						
Did not engage in wildlife-watching activities						
Engaged in wildlife-watching activities						
Away from home						
Around the home						

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

**Table 46. Total Wildlife-Related Participants and Expenditures:
2016**

(Population 16 years old and older)

Participants and expenditures	United States, total
U.S. Population	
PARTICIPANTS (thousands)	
Wildlife-related participants, total	
Sportspersons	
Fishing	
Hunting	
Wildlife watching	
EXPENDITURES (thousands of dollars)	
Wildlife-related expenditures, total	
Trip-related, total	
Equipment, total	
Other, total	

**Table 47. Total Wildlife-Watching Days Away From Home by State
Residents both Inside and Outside Their Resident State:
2016**

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

Wildlife-watching days away from home	Number	Percent
Total days, residents and nonresidents		
Days by residents in state of residents		
Days by residents in other states		